



MASTER'S THESIS
INTERNATIONAL ADMINISTRATION
AND GLOBAL GOVERNANCE

The effect of the shadow economy on social development

A comparative study on advanced and least developed
countries

Author: Anna Katrechka
Advisor: Stefan Dahlberg

2014-05-25



UNIVERSITY OF GOTHENBURG

ABSTRACT

The shadow economy remains one of the slowdown evidences for achieving economic and social development. An analysis of the extensive literature enables to consider a level of the shadow economy as one of the obstacles of social development. Therefore, the aim of the thesis is to research the effect of the shadow economy on social development and compare magnitudes of the effects among advanced and least developed countries. In line with the purpose, a deductive approach and quantitative research methods are used in the paper. The literature review is focused on a discussion of consequences of the shadow economy which enabled to formulate hypotheses. Four indicators were selected in order to determine the level of social development. All of them characterise social development through changes in individual's lives instead of changes in public institutions, that is one of contributions of this paper to the existing literature. In order to test the hypotheses, four empirical linear models with interaction terms were presented: with life expectancy, HIV prevalence, under-5 mortality and school enrolment as dependent variables. Estimation of models was based on data for 58 least developed and advanced countries within the course of 39 years period. Conducted empirical analysis proves that the shadow economy has mainly negative effect on social development and this effect is dependent on the level of development of country and it is more adverse for least developed countries then for advanced countries.

Keywords: shadow economy, social development, informal sector, least developed countries, advanced countries.

Word count: 10774

ACKNOWLEDGEMENTS

I would like to express my sincere gratitude to my supervisor Associate Professor Stefan Dahlberg for the guidance, encouragement and advice through the learning process of this master thesis.

Special thank are given to the members of the Department of Political Science, the School of Global Studies, the Department of Economics and the Quality of Government Institute who are integral part of the Master`s Programme in International Administration and Global Governance. There are no words which can express my gratitude that I was part of this Programme and had two years of effective, motivated, encouraging, interesting, challenging and enriching study. I am also grateful to the fellow students for their valuable help, advice and motivation, as well as all the joyful time we have spent together.

I would also like to express my gratitude to Swedish Institute for their financial and non-material support thanks to which I had opportunity studying in Sweden and was inspired again and again during two years by other scholarship holders and all team of Swedish Institute.

I would like to wholeheartedly express my gratitude to my parents for their love, support and faith in my success. I also extend my heartfelt thanks to my friend Maksym for not only his helps, encouragements and motivation in the most difficult times but also for listening to me whenever I was excited about a new idea.

All remaining mistakes are mine.

Anna Katrechka, Gothenburg 2014-05-24

TABLE OF CONTENTS

- 1. INTRODUCTION5
- 2. PRIOR RESEARCH AND THEORETICAL UNDERPINNINGS8
 - 2.1. Definition of the shadow economy8
 - 2.2. Main causes of the shadow economy8
 - 2.3. Consequences of the shadow economy10
 - 2.4. Hypotheses of the research16
- 3. DATA DESCRIPTION AND METHODOLOGICAL CONSIDERATIONS.....18
 - 3.1. Sample description18
 - 3.2. Description of the variables19
 - 3.3. Methodology.....23
 - 3.4. Specification of the models25
- 4. EMPIRICAL RESULTS AND ANALYSIS27
- 5. RESEARCH CONTRIBUTION AND DISCUSSION.....30
- 6. CONCLUSION.....33
- REFERENCES.....34
- APPENDICES.....37
 - Appendix 1. List of countries under consideration.....37
 - Appendix 2. Do-file37
 - Appendix 3. Data.....39

1. INTRODUCTION

Social development is one of the key areas of the Millennium Development Goals¹ that were established fourteen years ago. The progress among countries is uneven² and expectations are not fully achieved. Therefore, development and application of effective policy require detailed research of obstacles for social development. A majority of theories and empirical studies pay much attention to a obstacles of development that belong to the formal sector while missing informal, which also plays an important role for development. In this vein, it remains of crucial importance to research the role of the shadow economy in social development.

About 90% of rural and urban workers in Africa have informal jobs as one way for their survival and livelihood (ILO, 2009). The shadow economy is an important aspect of social development of a country since it poses challenges to the moral order of societies. All the literature about the informal sector can be divided into three dimensions: measurement of the shadow economy, finding causes of it and effects on economic environment. However, few works concern the outcomes of the shadow economy for the society. The question whether the shadow economy has a negative impact on development is still an unresolved debate. However, it is indisputable that it brings about adverse effects in certain development measures. The overall effect of the shadow economy on social development is of interest for researchers, but the direction of this effect is unclear and, thus, becomes an empirical consideration.

One of the main characteristics of the least-developed countries is flourishing of the shadow economy. For instance, according to Schneider (2010), the shadow economy amounts to 49, 1% of official GDP in Benin in 2007. The social protection of workers has become an area of concern in the developing countries. In spite of reduce of the shadow economy in most of the developed countries and tendency to rise in developing ones (Romero, 2010), the shadow economy is considered as a problem not only in developing and transitional countries, but also in highly developed countries. There is an ample support for the claim that the consequences of the shadow economy are momentous not only for the developing countries, but also for the developed ones.

A comprehensive literature analysis of the shadow economy showed that it affects many aspects of economic and social life of countries. All aspects of country development can be eroded by the

¹ To eradicate extreme poverty and hunger; to achieve universal primary education; to promote gender equality and empower women; to reduce child mortality; to improve maternal health; to combat HIV/AIDS, malaria, and other diseases; to ensure environmental sustainability; to develop a global partnership for development.

² Bangladesh have already achieved one goal and it is very likely that it will achieved one more goal, Cambodia have already achieved one goal and three goal are expected to be achieved to 2015, six out of eight goals are planned to be achieved in Ethiopia, four goals are already achieved in Brazil. Progress of all countries for achieving Millennium Development goals can be found on the MDG Monitor (<http://www.mdgmonitor.org/index.cfm>)

informal economy. The shadow economy is closely linked to corruption, various types of crimes, money laundering, violation of human rights etc. The shadow economy is a phenomenon which involves economic, political, and social significance. There seems to be no compelling reason to argue that it has a strong impact on social development, however this issue is not researched enough.

Researchers take into account impact of the shadow economy on macro level, however ignore its influence on lives of households and individuals. Illicit workers choose to be in the shadow, because of different reasons, striving to maximize their own benefits. Therefore, a gap was determined in the literature. It corresponds to the effects of the shadow economy on the indicators of social development which describe changes in people's lives.

The main research question is: *What is the effect of the shadow economy on social development?*

The thesis covers the following sub-questions:

1. How does the shadow economy influence the indicators of social development, which characterize changes in people's lives?
2. How do effects of the shadow economy on social development differ in developed and least developed countries?

In particular the aim of this research is to analyze theoretically and empirically, on a cross-country time-series basis, the effects of the shadow economy on the indicators of social development.

The objective of this paper is to contribute to the literature by empirical research of the effect of the shadow economy on social development. Moreover, one of the missions of this research is to emphasize the importance of the shadow economy as a social phenomenon.

The novelty of the research is mainly represented by factors that are used for description of social development on an individual level, and special interdisciplinary nature of the paper with interconnections of social and economic theories and disciplines. More recent and comprehensive data sets that are used in this paper to show that the shadow economy does in fact cause social underdevelopment. Investigation of the relationship between the shadow economy and social development is carried out within a cross-national time-series database, including two groups of countries – 'advanced' and 'least developed' – a total of 58 countries, during time period of 39 years (1970-2008 years). Four indicators were chosen as criterion of social development: life expectancy, HIV prevalence, under-5 mortality and school enrolment, all of them characterize changes in lives of individuals instead of changes in public institutions. In order to achieve the

purpose of this paper, linear models with an interaction term (with a use of OLS estimator) are used. This paper presents evidence that the flourishing of the shadow economy can lead to adverse effects for social development and these effects are more intensive in the least developed countries. That highlights diverse effects of the shadow economy and necessity of research of the shadow economy as social phenomenon.

The outline of the paper is as follows. The second section provides brief literature review that helps to identify the research gap and to examine effects and consequences of the shadow economy; the third section describes dataset, selected indicators of social development and other variables, and applied methodology. Empirical evidence is discussed in section four. The fifth chapter discusses contribution to the existing literature that stems from the results obtained in this paper and emphasises the weaknesses of the work, which also leave the scopes for the future research in this field. The paper ends with general conclusions and an appendix is provided.

2. PRIOR RESEARCH AND THEORETICAL UNDERPINNINGS

In this section the shadow economy is defined and theoretical considerations about the shadow economy's most important determinants are offered. This section draws the most important explanations and findings from the literature and uses them for constructing and formulation hypotheses.

2.1. Definition of the shadow economy

The literature provides a multitude of different names for the shadow economy, such as hidden, underground, black, occult, invisible, grey, residual, unofficial, informal, parallel economy etc. Within this work all the names are assumed to be synonyms.

“The term ‘informal’ tends to refer to artisanal and very small-scale activities and is mostly associated with the so-called less developed country context. The term ‘hidden’ and ‘underground’ tends to be associated with tax evasion. The terms ‘parallel’, and ‘black’ seem to be most associated with currency dealings. ‘Unofficial’ and ‘unrecorded’ activities seem to be mostly referred to economic activities that escape the national statistics collection agencies.” (Eilat and Zinnes, 2000). The informal economy unites two phenomena, as informal sector and informal employment. First one involves amount of production produced in the shadow, while second one belongs to labour forces that are hidden. In many societies formal and informal participants of the economy do not have sharp dichotomy, Temkin (2009) provides Mexico as example for such issue of the shadow economy.

The main actors of the shadow economy are informal workers employed by firms, informal self-employed and formal or informal firms that produce informal production (Andrews, Sánchez, Johansson, 2011). Consumers can also be considered as the actors of the informal activities, as they can consciously buy products or services from the shadow sector.

The shadow economy exists in all type of economies along with the official one and, usually, individuals choose shadow economic activities in response to government actions, such as regulation, taxation etc. (Schneider, Buehn, Montenegro, 2010) . The size of the shadow economy correlates strongly with economic cycles. Factors influencing the decision to go to the shadow economy are complex and are discussed below.

2.2. Main causes of the shadow economy

Scholars began using the term of the informal sector from seventies of the 20th century, but they still do not have general consensus regarding the causes and effects of the shadow economy. In this

vein, the best public policies that can deal with consequences of the informal economy are still not invented.

The roots of underground economy are not fully defined because it can be influenced by many economic, social and political factors. Schneider and Enste (2000) supposed that the main causes of the shadow economy were taxation, excessive regulations, efficiency of bureaucracy and corruption. However, further researches extended the list of possible causes. The group of researchers presented view that institutional failures can be more important than taxes in promoting the shadow economy (Bovi, 2003). This issue has become widely discussed and other scholars concentrated on attempts to prove that level of quality of institutions influences level of the shadow economy in a country. Further this correlation was researched by Dreher and Schneider (2006), Dreher, Kotsogiannis and McCorrison (2009), Teobaldelli (2011), Buehn and Schneider (2012), Teobaldelli and Schneider (2012) and others. Almost all researches prove the hypothesis that with increase in institutional quality, the shadow economy should reduce. Quality of government and impartiality of institutions create propitious or unfavourable environment for the shadow economy. However, Singh, Jain-Chandra and Mohommad (2012) noticed that these relations cannot be examined as exogenous and shadow economy has influence on quality of institutions as well.

Individuals are motivated to engage in the shadow economy by different factors, such as low risk of detection, ease of participation, savings and lack of a “quality conscience” (Schneider and Enste, 2013). Fundamental reasons of existence of the shadow economy can be divided on two groups. First one covers individuals who strive to cheat government evading taxes and hiding profits, while individuals from the second group choose the informal sector because of hopelessness to find any job in the formal sector and the shadow economy becomes a way to survive. Romero (2010) presented the model where he argues that existence of informality is not per se due to difference in workers skills but due to a lack of jobs in the formal economy that is unable to employ people.

There is a rapidly growing literature on factors that determine increase or decrease of the shadow economy. Current researches seem validate the view that countries where societies are more trusting have a smaller level of the shadow economy in comparison to less trusting societies (D’Hernoncourt and Méon, 2008). Braude (2005) presents empirical evidence that 84 percent of workers in the official economy in South Africa completed primary school, while only 63 percent of workers in the shadow have the same level of education. Ela (2013) found that one of the key elements for shrinking the shadow economy is increasing of the education level. Her research based on case study of Turkey, but such conclusion can be generalized also for other countries.

All scholars consider that the quality of institutions now is the most significant factor, which influences the size of the shadow economy. Alongside with it, actual burden of taxes and

regulations recognized as less important. Furthermore, another way of influence is described by Dabla-Norris (2008). It is mentioned that if institutions have high quality, then firms or agents, who operate in the informal sector, would be detected with higher probability. This threat of being detected lesser an incentive for economic agents to enter the shadow economy. However, otherwise, it may result in increase of ‘quality of the shadow economy’, which may lead to higher corruption. Moreover, one of the goals of a benevolent government should be an increase in incentive to stay in the formal sector of economy.

It is necessary to mention that relationship between causative factors and the shadow economy are endogenous and it is very difficult to find which one is causality of other one. Therefore, some social aspects can be causes of the shadow economy, as well as the shadow economy can have effect on this spheres of social development. It is important to understand and explain the way of influence. However, the literature within the topic of the shadow economy lacks explanations, how the shadow economy influence quality of institutions or social development. The reason behind this might be that the shadow economy influence quality of institutions through the channel of economic environment. Therefore these three components should be considered as endogenous system. In line with this it seems reasonable take into account relationship among the shadow economy, quality of institutions and social development through such transition channel as economic environment.

2.3. Consequences of the shadow economy

As it was suggested, relationship between social development and the shadow economy is endogenous. The literature within the topic of the shadow economy lacks explanations regarding the shadow economy influences socio-economic characteristics. The reason behind this might be that the shadow economy affects human development through the channel of economic and social environment. The negative impact of the shadow economy is more visible.

Negative effects of the shadow economy

The negative impact of the shadow economy is more evident, and can be explained using several arguments:

Firstly, an increase in size of the shadow economy leads to a significant decrease in tax revenues and to worse public goods provision, that in turn can obstacle economic growth. A decrease in tax revenues usually leads to a decrease in government spending and transfers, which, in turn can lead to worsen of social environment and an increase in a share of the shadow economy. It can be

considered as a vicious circle, which, certainly decreases quality of institutions and results in recession of social development.

Secondly, Loayza (1996) found the evidence that in time of rise of the underground economy the availability of public services for everyone in the economy decreased, and as result economic growth weakens. This explanation is closely related to the previous one and means that the shadow economy decreases government income which leads to less capacity to provide public goods with high quality, thus decreases quality of life.

Thirdly, the shadow economy is considered as having negative effects because it “emits false signals and induces decision makers as inadequate macroeconomic strategy” (Mara, 2011). Optimal decision making can be considered as one of the characteristics of high quality of government. When analyzing and making decision, based on previous analysis, government cannot account for the shadow economy. In case of a low level of the shadow economy it is unlikely to distort a picture considerably. However, if the informal economy comprises a lion share of the economy, optimal decision making by government seems impossible. As a result, it leads to a reduction of social welfare in society.

Further on, Nikopour, Habibullah and Schneider (2008) notice substitution effects between unofficial and official GDP prevail on complementarities, it is basically based on the idea that unofficial activities, creating unfair competition, interferes negatively with the market allocation. Another important aim for a government should be providing fair rules for all agents and residents. Economic relationships, especially those related to fair competition, cannot be a subject to regulation from government. Therefore, in case of high level of the shadow economy, government cannot fulfil this goal, as a result, such country cannot be considered as a high social developed.

Schneider and Enste (2013) said that the shadow economy activity is always combined with various negative welfare effects: an immense waste of resources. A negative impact of the shadow economy on the development can be stratified with regard to microeconomic, macroeconomic or social problems. One of macroeconomic problem concerns “vicious circle” of the shadow economy and tax burden that leads to the decrease of public finance.

Existence of the informal economy makes macro policy less effective. Eilat and Zinnes (2000) provides example that monetary policy is weakened since the shadow economy firms are less connected to the banking system and capital markets. The importance of the measurement and research of the shadow economy consists in necessity of policy development in accordance with the latest evidence. Moreover Schneider and Enste (2000) emphasize that the shadow economy leads to a disintegration of social norms.

Scholars claim that the shadow economy has ambiguous consequences. The results of theoretical and empirical studies show that effect can be negative as well as positive. The shadow economy is complex phenomenon and it is not enough only to pay attention to negative consequences.

Positive effects of the shadow economy

Positive effects of the shadow economy become more discussed with the development of the literature. It is not very straightforward that the shadow economy can have a positive effect on social development, but it might take place. As was stated above, it will be discussed through the economic environment. The mechanisms of positive impact can be described as follows:

Adam and Ginsburgh (1985) mentioned that a growth of the shadow economy would lead to growth in “official” only under the certain assumptions. They proved their theory on Belgium and concluded that expansionary fiscal policy has a positive stimulus for both the formal and informal economies. In this case, government become stronger due to the high level of taxes, and in case of prudent government, this provides high quality of government as a strong agent within the country. However, if it is not prudent, it might provide large room for corrupted and unfair government, thus worsens the situation.

The shadow economy responds to the demands of economic environment for urban services and small-scale manufacturing, therefore neoclassical theory presents the shadow economy in this sense as optimal. Such situation may provide a higher potential for economic growth and as a result positive correlation between increase of the shadow economy and economic growth (Nikopour, Shah and Schneider, 2008). Schneider and Enste (2000) found that over 66% of income from the informal economy are immediately spent in the official sector and has a positive effect on growth and tax income. Bhattacharyya (1993) on the evidence of the United Kingdom (1960-1984) found, that the shadow economy had a positive effect on consumer expenditures of durable goods and services. If there is no state intervention into the shadow sector, which gives freedom to the consumers and to price flexibility, it increases a number of options for consumers to optimize their utility of consumption, thus increase satisfaction and credibility to government. The same logic is applied to the case of social development. In particular, higher consumption leads to higher living standards that, in turn, contribute to social development.

Singh, Jain-Chandra and Mohommad (2012) stated that large informal sector may be viewed as the nursery of future economic growth within the formal economy. The shadow economy can be used as substitute solution for problems that are not solved adequately by the official institutions of the welfare state and the labour market (Pfau-Effinger, 2003). Gërkhani (1999) elucidates that the shadow economy is safety for political discontent in planned economies.

Misati (2010) examines empirically the linkage between the shadow economy and investment in Sub Saharan Africa and concludes that the informal economy has positive influence on investment in Sub-Saharan Africa. However this beneficial effect is explained by conditions of unemployment and poverty in Sub-Saharan Africa.

These researches provide explanations to positive relationship between official and unofficial economies. When the official economy benefits from the shadow economy, social development (under certain conditions) increases as well. It might be claimed that social development is a cause for growth of the official economy, but not vice verse.

Radulescu, Popescu and Matei (2010) suppose that “the shadow economy can be called as an ‘ideal’ conditions for optimum allocation of resources and being the cheapest alternative for small companies in developing and transition countries”. The shadow economy provides an extraordinary potential for innovation especially in transitional and developing countries. It can be considered that the shadow economy provides an incentive for an innovation processes. More illicit workers are open to structural changes, so that technical innovations can be carried through more easily. The famous example is Bill Gates who could only have realized his idea – which he supposedly invented in his garage in German – in other words ‘in the shadow’ (Shneider and Enste, 2013). This example also demonstrates the other positive effect of the shadow economy: upon formation of his business he transited it to the official sector. Therefore, the informal economy can provide support for businesses on early stages and these businesses can be profitable and beneficial for a country in future. Empirical studies found that two thirds of the value added produced in the shadow economy in Germany and Austria would not be produced at all if the shadow economy did not exist (Mara and Eugenia-Ramona, 2011). Schneider and Hametner (2007) analyzed the interaction between Colombian shadow and official economies. They found that the shadow economy had a positive effect on the official one. An average growth rate of real per capita GDP is 1.11% between 1976 and 2002 and the shadow economy “explains” on average between 0.09 and 0.27 of this growth. Eilat and Zinnes (2000) divide a positive impact of the shadow economy into two directions: macro and micro. On the macro level, the shadow economy helps maintain economic activity when rent-seeking and corruption reduce official economic activity, by raising the cost of official production. It can provide market experience to entrepreneurs on micro level while it can have positive effect on income distribution. So all this points emphasize favourable effect of the shadow economy on official economies in developed countries. In developed countries, usually quality of government are higher, thus further growth of official economy can give more opportunities for a government, and, in case of developed countries, quality of social environment increases.

Special case that should be considered relates to transitional countries. The shadow economy can help the transition towards market economies and have mobilized entrepreneurial endeavours in transition economy. Participants in the shadow economy have such benefits, as flexibility of working hours, greater freedom, independence and self satisfaction. Furthermore, the problem of transitional countries is that due to low quality of institutions the process of transition is slowed down. However, in case of the shadow economy, this process can be faster due to existence of incentive to go to shadow. As a result, old institutions are forced to adjust to changing environment, thus increase quality of institutions, policy decisions and promote social development.

In developing countries, government usually cannot provide adequate regulations for official growth. In this case, the shadow economy is a barrier and competitor to an unfair government. The logic behind is the following: low quality of institutions creates an incentive to be more involved in the shadow economy, which decreases possibility of government to control and decreases government income from taxes. In this case government has two possible solutions: provide more strict regulations and severe restrictions or increase quality of institutions in order to reduce incentive for the shadow economy. First choice is unlikely to be sustainable and may increase the shadow economy, which then can cause an increase in quality of institutions. However, this process can take long time until incentive for increase in quality of institutions will emerge and boost social development.

The shadow economy can be a reflection on social development and, as a result, an increase of migration into the shadow sector can be seen as a reaction to excessive constraints created by institutions and bureaucracy (Schneider, 2009). Such findings should result in detection fails by government and then improving their work. The shadow economy provides the economy with an entrepreneurial and dynamic spirit, which in turn can lead to higher competition, efficiency and rate of investment (Schneider and Klingmair, 2003).

The last point is that the shadow economy can play role of absorber of potential economic and political shocks, as reserve flexibility in terms of an opportunity to enter unofficial sector which is less prone to shocks than official (Mara and Eugenia-Ramona, 2011). Formal economy and government are prone to different exogenous shocks. The extent to which country will suffer from shock will depend on a level of the shadow economy which can be considered as a buffer for agents to resist to shock in government cannot adjust in time to reduce an impact on official economy. Therefore, in this case, shadow economy can be considered as 'insurance for the government'.

The effects of the shadow economy can be considered also from other viewpoints, in terms of time periods. As was discussed above some workers might choose to go to the shadow sector in order to survive. Therefore, if the informal economy enables individuals to survive; it cannot be considered

as a purely negative phenomenon. However, without any doubts in the long-run it will have negative consequences. In this vein, it is important to look at different time-periods and take into account situation in countries during which the shadow economy flourish. For instance, during the crisis or recession the shadow economy allows overcome challenges, the informal economy is able to keep employment at the same level by reducing wages.

Behaviour of the shadow economy in short-run and long-run perspectives was researched by Romero (2010) with dynamic models. The results suggest that with an increase of wealth inequality within a country the informal economy will be larger in a short-period and will converge to a low aggregate income and more unequal wealth distribution in a long-period of time. Schneider (2013) notes that the reason of an increasing failure of application and development of modern technologies is accounted by the lack of know-how on the part of the workers, that roots in decreased growth potential due to scarce human resources in the long-run.

Advanced vs. least-developed countries

As it was mentioned above all countries suffer from the shadow economy; however it adapts its forms and methods of action based on the socio-economic context of the country in which it exists (Eugenia-Ramona, 2011). The informal economy has various consequences, effects, causes and forms in different countries. Evidence proves that these features often are determined by a level of development.

Corruption is defined as one of the driving forces behind the shadow economy; therefore, the correlation between the informal economy and corruption was widely investigated. Dreher and Schneider (2006) found a tendency that the shadow economy and corruption are substitutes in high-income countries, but complements in low-income countries. Hindriks, Keen and Muthoo (1999) argue that the shadow economy is a complement to corruption. Therefore, the shadow economy can have different characters of influence depending on welfare in a country or other factors.

Researchers explore features of the shadow economy across different countries. Bovi (2002) in his work found that during 1990-2000 for OECD countries correlation between the shadow economy and institutional quality was negative. Terasawa and Gates (1998) found in their research that less developed countries have positive relationship between government size and economic growth, while developed countries have negative relations between these factors. Further Nikopour, Hesam, Shah, Muzafar and Schneider (2008) proved that relationships between the shadow economy and economic growth depend on the level of development. They used the Kuznets's law, "inverted U-curve hypothesis" for examining the correlations between the shadow economy and economic growth. They consider that "the shadow economy growth has positive effect on the formal

economic growth in the first stages of development and has negative effect on the formal economic growth in the later stages of development”.

Schneider and Enste (2013) describe negative outcomes of the shadow economy - “in the long run, scarce human resources lead to decreased growth potential, as the development and application of modern technologies increasingly fail due to the lack of know-how on the part of the workers”. However, authors mentioned that sometimes the hidden economy can have positive impact, especially in the developing and transition countries. He called researchers who support such idea as Schumpeterian type, i.e., “those who are willing to take the initiative and risk and who discover niches for their products”. In spite of this, I tend to suggest a theory that the shadow economy has negative impact on the level of social development, because the underground economy harms financing of social security and, as a result, leads to problems with social benefits, public pension system, unemployment insurance, health insurance, etc.

Relationship between the shadow economy and Human Development Index (HDI) was partly researched by Amendola and Dell’Anno (2010), where they found inverted U curve between the shadow economy and HDI in the Latin America. “By observing the Latin America as whole is plain to discover as higher is the size of shadow economy then lower is HDI. This negative correlation may be considered as the long-term effect of better human capital on the size of shadow economy as percentage of GDP.” They explain this process as unwillingness of people from countries with high HDI work within the underground sector. One important findings of this paper is that increase of the HDI corresponds to augment the size of the shadow economy, progressively weakens as increase the development. In developing countries most of the innovations take place in the social sphere.

2.4. Hypotheses of the research

In recent years, there has been an increasing interest in research of the shadow economy. Above mentioned literature review and theory consideration demonstrate that a bulk of the issues is still unresolved. One of research gaps is a lack of consideration of consequences of the shadow economy on the individual level in society. Most of the researchers attempt to find how the informal sector influences global or macroeconomic problems. However, the main actors of the shadow activities are individuals, who in some situation found informal employment as a way for survival.

Based on above presented literature discussion of causes and consequences of the shadow economy, the hypotheses were formulated as follows:

The shadow economy has negative effect on the indicators of social development.

The shadow economy has more adverse consequences for social development in the least developed countries, than in advanced ones.

On the basis of the research and evidences currently available, it seems reasonable to suggest that the shadow economy can be considered as a mirror of a complex situation in a country regarding economics, politics and institutions. Since various factors influence the size of the shadow economy, the informal economy appears as reflection on behaviour of political and economic systems. On these grounds, it makes sense to argue the effect of the shadow economy on the indicators of social development.

The feature of this research is to study effect of the shadow economy on the indicators of the individual level of social development. In other words, the informal economy influences different aspects of social development mainly through economic environment, such as reduction in collected taxes that lead to decrease of government expenditures. Therefore, country experiences lack of development in healthcare, education, etc. These changes in social development can be characterised by such indicators as a total number of public school, a hospital bed density and others. These indicators describe social development in general and do not show how changes in 'quality of life' of individuals. For instance, country can have enough places in school, but poor children often have to drop out of school to make a living or help their parents. In this vein, this paper looks through empirical evidence on a how level of the shadow economy effects indicators of social development, which characterize changes in people's lives. Before the empirical investigation theoretical hypothesis is that this effect is negative.

The second hypothesis suggested based on ideas that individuals will work in the shadow sector in order to satisfy their physiological needs sacrificing their health, security and other social aspects. When person chooses work in the informal sector (s)he expects that s(he) will gain more wage than if would stayed in formal. Therefore, the shadow economy will bring short-term benefit for this person in the form of money or other resources. However, it is known that such behaviour deprives social benefits and other long-term perspectives. Individuals, who are particularly poor, primarily strive to satisfied essential needs. Maslow's hierarchy of needs present that if an individual does not have food or water s(he) does not think about security or respect of others. If person choose the informal economy not as a way of survival, then (s)he will not discard from own social development and the shadow activities will not have so negative impact as in first situation. The foregoing discussion implies the second hypothesis, that in advanced countries the effect of the shadow economy has less negative effect than in least developed ones.

3. DATA DESCRIPTION AND METHODOLOGICAL CONSIDERATIONS

An empirical investigation is developed on a sample of 58 countries and 39 years in order to test theoretical assumptions. The main obstacle for empirical analyses on the issues regarding the informal economy is availability and reliability of data. The study relied on the secondary sources of information. In this section the data used for the estimation and the econometric approach are discussed.

3.1. Sample description

In order to find how effect of the shadow economy differs in advanced and least developed countries, data is collected for two groups of countries. The group of 'least developed countries' was chosen according to the United Nations definition and availability of data, thus it includes 27 countries.³ These countries exhibit the lowest indicators of socioeconomic development, with the lowest Human Development Index ratings of all countries in the world.

Figure 1. Map of least developed countries.



The list of "advanced countries" was chosen according to the United Nations and availability of data. This group includes 31 countries.

³ List of countries from both groups listed in Appendix 1.

⁴ Details about all these methods you can find in Andrews, D., Sánchez, A. C., & Johansson, Å. (2011) and in Eilat,

Figure 2. Map of advanced countries.



3.2. Description of the variables

Independent variable

The shadow economy is complex phenomenon as it involves a number of different activities, thus its measurement is challenging for researchers. Pros and cons of all the methods for estimation of the shadow economy are widely discussed.

Contemporary researchers use different group of methods, such as estimation derived from model based methods, evaluation of non-observed economy in national accounts and proxy measures of informal employment. First group of methods uses statistical approaches and includes the currency demand method, the electricity consumption method and the Multiple Indicators Multiple Causes (MIMIC) method. Third group applies estimation based on direct survey data, examination of self-employed, illegal immigrants and multiple job holders, estimation of number of employed not covered by legal employment requirements. (Andrews, Sánchez, and Johansson, 2011).⁴

The huge amount of observations is crucial for this research that is why it was decided to use dataset which was constructed by Elgin and Oztunali (2012). They used a two-sector dynamic general equilibrium model for estimation the level of the shadow economy, and as result presented 161-country panel dataset over the period 1950 and 2009. 2118 observations were taken from this dataset for current research for 58 countries and 39 years (1970-2008). The size of the shadow economy is presented as % of official GDP.

⁴ Details about all these methods you can find in Andrews, D., Sánchez, A. C., & Johansson, Å. (2011) and in Eilat, Y., & Zinnes, C. (2000).

Dependent variables

Social development is a complex phenomenon and it is challenge for researchers to create one index, which can present the quality of life. The measurement of social development should be concentrated on subjective indicators.

From the end of the 20th century people were placing at the centre of development as “people are the real wealth of nations” (UNDP 1990, p.9). Primary education, family planning, health care and nutrition became topical direction for providing the basic services to the poor in order to increase social development (Medina, 1996).

One of generally excepted index of social development is ‘Human Development Index’, however it is inappropriate to use this index in current research, because it includes such component as GDP, which might be correlated with the shadow economy. Therefore, usage of Human Development Index in this research can lead to biased estimates. Medina (1996) proposed one more index for social development ‘Literate Life Expectancy’, which include two essential elements of social development: literacy and life expectancy and author emphasize necessity to exclude economic elements from the measurement of social development.

The feature of this research as was mentioned above is to study the effect of the shadow economy for individual level of social development. Therefore four variables were chosen as indicators of social development in order to answer the research question.

Selection was based on satisfaction a number of requirements. Indicators should have quantitative characteristic. It is important that all indicators characterise life of individuals and concern such aspects of life, which is effected not only by social policy of government, but also by well-being of people. It is worth noting, that indicators should concern such aspects of life, as health and education, as one of the main reflectors of social development. Moreover, all variables should be presented in relative values that enable to compare it across different countries. Therefore, life expectancy at birth, school enrolment, under-5 mortality rate and prevalence of HIV were chosen as indicators of social development for the Thesis.

Life expectancy at birth

Life expectancy at birth (years) was chosen among the World Development Indicators - statistical benchmark that helps measure the progress of development. It shows “the average number of years that a newborn could expect to live, if he or she were subject to the age-specific mortality rates of a given period”. This indicator was selected as those which characterise the health conditions of

society. Data is taken from The World bank Database and include 58 countries and 39 years, some observations are missed, and thus 2184 observations are available.

School enrolment

School enrolment, primary (% net), was taken from The World Bank Database. It describes “the ratio of children of the official primary school age who are enrolled in primary school to the total population of the official primary school age.” This indicator characterizes level of education coverage in a country and participation of individuals in education process. Some observations are absent, so 1071 observations are available for the study.

Under-5 mortality rate

Under-5 Mortality Rate (per 1,000 Live Births) was obtained from The QOG Basic Dataset (2013). This indicator shows “probability of death from birth to age 5”. UNICEF supposes that the main reasons of majority of child deaths are diarrhea, measles, malaria, acute respiratory infections and malnutrition. Therefore, it indicates one aspects of the quality of people`s life and their social development. 2078 observations are included in the thesis.

Prevalence of HIV

Prevalence of HIV (% of population ages 15-49) is the fourth indicator of social development within this paper, which characterizes the health as well as literacy because unawareness of people is also often increase risk of HIV transmission. It is outlined “prevalence of HIV refers to the percentage of people ages 15-49, who are infected with HIV”. 2007 observations will be used in the research.

Control variables

Using additional independent variables apart from variable of interest (the shadow economy) is aimed at reducing the confounding effect of variations in another variable that may also affect the value of dependent variable. If the introduction of the control variable does not change the original relationship between the cause and effect variables then the claim of non-spuriousness is strengthened. Therefore, the models are augmented with the control variables. Each model will have one control variable, two indicators were chosen for using as control variables in models. Besides the shadow economy discussed so far, models will contain control factors that are expected to influence the independent variable that indicates the level of social development.

Health expenditure

Total health expenditure (% Gross Domestic Product) was chosen as control variable for models with such dependent variable as life expectancy at birth, under-5 mortality rate and prevalence of HIV. This indicator presents public and private spending on healthcare in the country as a percentage of GDP. It is important factor which can influence all above mentioned variables as indicators of health component of social development. Therefore it is necessary to control models with such index. The problem of scarcity of data of this variable was faced in the research. Therefore, only 767 observations were collected from the World Health Organization National Health Account database.

Education expenditure

Public expenditure on education as % of gross national income was taken as a control variable for the model with school enrolment as a dependent variable. Model should be controlled by this variable since it can have significant effect in its size, increased financing does not guarantee success in development of literacy, but chronic underfinancing is a guaranteed route to depression and it should be taken into consideration in this research. The lack of data allow to record only 963 observations from the UNESCO Institute for Statistics.

As it was mentioned before, there are missing observations in dataset. However, it is believed that this is not due to any selection that may bias the estimation but it is rather random. Table 1 shows the summary statistics for each of the variables in sample.

Table 1. Statistical Summary of the Data

Group of countries	Variables	N Observations	Mean	Std. Dev	Min	Max
Least developed	Shadow Economy	986	42,58	8,23	26,47	74,45
	<i>Dependent variables</i>					
	HIV prevalence	456	2,98	4,52	0,1	23,4
	Life expectancy	1014	49,61	7,01	19,5	69,54
	Under-5 Mortality	979	173,31	64,12	31,37	370,3
	School enrolment	368	54,95	20,33	10,05	98,81
	<i>Control variables</i>					
	Health expenditure	361	5,17	1,56	1,54	11,83
Education expenditure	261	3,52	1,99	0,94	10,72	
Advanced	Shadow Economy	1132	20,22	8,47	8,08	62,03
	<i>Dependent variables</i>					
	HIV prevalence	551	0,21	0,17	0,1	1,2
	Life expectancy	1170	75,18	3,37	61,21	85,16
	Under-5 Mortality	1099	11,32	7,54	2,86	74,38
	School enrolment	703	95,59	5,87	67,94	99,99
	<i>Control variables</i>					
	Health expenditure	406	8,32	2,11	2,41	16,53
Education expenditure	702	5,25	1,32	1,48	9,39	
Total	Shadow Economy	2118	30,63	13,94	8,08	74,45
	<i>Dependent variables</i>					
	HIV prevalence	2007	1,47	3,34	0,1	23,4
	Life expectancy	2184	63,31	13,84	19,5	85,16
	Under-5 Mortality	2078	87,64	92,23	2,86	370,3
	School enrolment	1071	81,62	23,18	10,06	99,99
	<i>Control variables</i>					
	Health expenditure	767	6,84	2,44	1,54	0,94
Education expenditure	963	4,79	1,72	16,54	10,72	

3.3. Methodology

The main research purpose of this paper is to explore relationships between the shadow economy and the indicators of social development. For testing assumed hypothesis the Multiple Linear Regression Models are used, “which is used to study the relationship between a dependent variable and one or more independent variables” (Greene, 2008). The models are estimated using ordinary least square estimation procedure. One of the main decision regarding estimation the models is selection between random and fixed effect models. The discussion presented by Cameron and Trivedi (2005) describes two sides, on the one hand the fixed effect model is often preferred because of the weaker assumption compared to pooled or random effects model and possibility to establish causality relationship for the outcome of interest. On the other hand, a fixed effect model is also associated with a number of weaknesses that should be taken into account. For instance, the fixed effects model usually suffers from ‘absorbing’ the time invariant factors, thus does not allow estimating them. Moreover, it suffers from such problems as imprecision of time-invariant estimates, impossibility of conditional mean prediction, etc. and they should be taken into account. Finally, the random effects model is usually preferred when a large number of cross-section observations are available. Therefore, based on empirical consideration, that does not focus on causality issues, and an availability of observations, it seems reasonable to apply the random effects

model in this research. However, in order to ensure that random effect model can be adequately applied to this case, the Wu-Hausman test was used in order to confirm this decision.

In this paper it was straight forward the claim that the shadow economy might have a different effect on social development in least developed versus developed countries. This is a conditional hypothesis, which can be tested with an interaction term. It is decided to use The Model with Interaction Terms for testing hypothesis that the level of effects of the shadow economy on the indicators depends on the level of development in a country. Such models are applied when independent variable has a different effect on the outcome depending on the value of another independent variable.

The key assumptions that are required in order to obtain an adequate model are as follows. Firstly, zero conditional mean assumption $E(u|X) = 0$ must hold. In other words, it says that error term must be independent of variables included in the vector X. In addition, variables in the vector X (variable of interest and control variables) should not be correlated, thus not causing multicollinearity problem. Further assumption required is a sample variation in the independent variable. This assumption does not require any testing procedure since data shows variability in the level of the shadow economy, index of democratisation and freedom economic index. The last assumption to be discussed here is homoscedasticity assumption $Var(u|X) = \sigma^2$. In other words, variation of the error term is constant in the sample, thus not decreasing or increasing with X. Therefore, assuming such assumptions to hold we expect to obtain unbiased, consistent and efficient (in comparison with other estimation procedures which might have been considered) estimator of the effect of shadow economy on the social development.

It seems necessary to discuss a number of issues related to usage of panel models. A number of issues with exploiting panel data framework arise when dealing with incomplete (missing observations), unbalanced and rotating panels. In this paper I assume that missing observations are not a result of any kind of selection bias, attritions or optimising behaviour, and it does not generally imply any problems. In addition, according to the Stata, the panel is strongly balanced. Therefore, any particular methods that are aimed to deal with such an issue are not required.

Another kind of issues is related to so-called exogeneity problems. In particular, there are several kinds of exogeneity that are considered. It is a strict exogeneity which assumes that vector x is fully uncorrelated with any current, past, future values of error term and the vector of unobserved heterogeneity. Weak exogeneity implies the assumption described above but with regard to only current and past observations of x. Finally, contemporaneous exogeneity considers only assumption with regards to the current values. A consideration as what estimator should be chosen with regards

to the features and nature of the assumptions is important and involves a range of issues that seem not expedient to discuss in more details here because of the time and space constraints.

3.4. Specification of the models

The data gathered from the world data bases provides enough observations for operating with Panel Data Models. In this study all estimation of models are implemented in statistical software package ‘STATA’.

The dependent variables is the indicators of social development, the independent variable is level of the shadow economy and level of development is used as moderator in the model with interaction term. Moderator is dummy variable, i.e. variable was encoded either 0 or 1 to indicate that an observation falls into ‘advanced’ or ‘least developed’ group of countries. A dummy variable for a group of countries codes this variable as a 1 for ‘advanced’ and 0 for ‘least developed’. In this case, a one-unit increase in this variable is the difference between advanced and least developed countries. The dummy variable of level of development can be regarded as an adjustment to the constant term in the regression for level of development. Therefore four models are constructed with different dependent variables and each model has two specifications.

The models estimated in the first specification have the following forms, where i-country, t-year.

$$\begin{aligned} \text{Model 1 : } \textit{Life expectancy at birth}_{it} &= \beta_{10} + \beta_{11} \cdot \textit{Shadow Economy}_{it} + \\ &+ \beta_{12} \cdot \textit{Level of Development}_{it} + \beta_{13} \cdot \textit{Interaction term}_{it} + \varepsilon_{it} \end{aligned}$$

$$\begin{aligned} \text{Model 2 : } \textit{School Enrolment}_{it} &= \beta_{20} + \beta_{21} \cdot \textit{Shadow Economy}_{it} + \\ &+ \beta_{22} \cdot \textit{Level of Development}_{it} + \beta_{23} \cdot \textit{Interaction term}_{it} + \varepsilon_{it} \end{aligned}$$

$$\begin{aligned} \text{Model 3 : } \textit{Under - 5 mortality rate}_{it} &= \beta_{30} + \beta_{31} \cdot \textit{Shadow Economy}_{it} + \\ &+ \beta_{32} \cdot \textit{Level of Development}_{it} + \beta_{33} \cdot \textit{Interaction term}_{it} + \varepsilon_{it} \end{aligned}$$

$$\begin{aligned} \text{Model 4 : } \textit{Prevalence of HiV}_{it} &= \beta_{40} + \beta_{41} \cdot \textit{Shadow Economy}_{it} + \\ &+ \beta_{42} \cdot \textit{Level of Development}_{it} + \beta_{43} \cdot \textit{Interaction term}_{it} + \varepsilon_{it} \end{aligned}$$

Each model has a number of specifications with adding control variables. Therefore, models estimated in the second specification have the following forms:

$$\begin{aligned} \text{Model 1}_1 : \text{Life expectancy at birth}_{it} = & \beta_{110} + \beta_{111} \cdot \text{Shadow Economy}_{it} + \\ & + \beta_{112} \cdot \text{Level of Development}_{it} + \beta_{113} \cdot \text{Interaction term}_{it} + \\ & + \beta_{114} \cdot \text{Health Expenditure}_{it} + \varepsilon_{it} \end{aligned}$$

$$\begin{aligned} \text{Model 2}_1 : \text{School Enrolment}_{it} = & \beta_{210} + \beta_{211} \cdot \text{Shadow Economy}_{it} + \\ & + \beta_{212} \cdot \text{Level of Development}_{it} + \beta_{213} \cdot \text{Interaction term}_{it} + \\ & + \beta_{214} \cdot \text{Education Expenditure}_{it} + \varepsilon_{it} \end{aligned}$$

$$\begin{aligned} \text{Model 3}_1 : \text{Under - 5 mortality rate}_{it} = & \beta_{310} + \beta_{311} \cdot \text{Shadow Economy}_{it} + \\ & + \beta_{312} \cdot \text{Level of Development}_{it} + \beta_{313} \cdot \text{Interaction term}_{it} + \\ & + \beta_{314} \cdot \text{Health Expenditure}_{it} + \varepsilon_{it} \end{aligned}$$

$$\begin{aligned} \text{Model 4}_1 : \text{Prevalence of HiV}_{it} = & \beta_{410} + \beta_{411} \cdot \text{Shadow Economy}_{it} + \\ & + \beta_{412} \cdot \text{Level of Development}_{it} + \beta_{413} \cdot \text{Interaction term}_{it} + \\ & + \beta_{414} \cdot \text{Health Expenditure}_{it} + \varepsilon_{it} \end{aligned}$$

4. EMPIRICAL RESULTS AND ANALYSIS

This section discusses the results from existing empirical studies on the link between the shadow economy and indicators of social development.

Results of multiple regressions of four different models with two specifications each are presented in the Table 2.

Table 2. Multiple regressions (OLS). The effect of the shadow economy and level of development in countries on indicators of social development.

<i>Dependent Variable</i>	Life expectancy		School Enrolment		Under-5 Mortality rate		Prevalence of HIV	
	Model 1 (1)	Model 1 (2)	Model 2 (1)	Model 2 (2)	Model 3 (1)	Model 3 (2)	Model 4 (1)	Model 4 (2)
<i>Independent Variables</i>								
Shadow Economy	-0,431*** (-0,024)	-0,204*** (-0,022)	-1,61*** (-0,072)	-1,45*** (-0,127)	4,66*** (-0,169)	1,65*** (-0,168)	-,12*** (-0,001)	-0,055*** (-0,01)
Level of development	20,284*** (-1,535)	26,14*** (-2,309)	-25,56*** (-4,841)	-15,27* (-6,8)	10,279 (-12,119)	-21,49 (-15,33)	-7,196*** (-1,324)	-3,595*** (-1,32)
<i>Interaction Term</i>								
Sh.Econ.* *Lev_of_dev	-0,238*** (-0,043)	-0,474*** (-0,091)	1,362*** (-0,111)	0,711*** (-0,203)	-3,27*** (-0,283)	-2,75*** (-0,619)	0,093** (-0,049)	-0,033 (-0,046)
<i>Control Variables</i>								
Health Expenditure		0,632*** (-0,065)				-5,19*** (-0,488)		-0,066** (-0,031)
Education Expenditure				0,889*** (-0,25)				
<i>Constant</i>								
	68,427*** (-1,206)	58,76*** (-1,273)	126,07*** (-3,873)	119,99*** (-6,12)	-27,6*** (-9,523)	90,27*** (-8,514)	7,906*** (-0,893)	5,935*** (0,779)
<i>N</i>								
	2040	766	1070	646	2052	761	999	724

*p<.05 ** p<.01 ***p<.001. Standard errors within parentheses.

The coefficients of the shadow economy are statistically significant in all the models. Results from the first model show an average change in Life expectancy given 1 unit change in the level of the shadow economy. The sign of coefficients, which corresponds to the shadow economy, implies that with an increase in the level of the shadow economy by 1 % Life expectancy will decrease by 0,431 years. The second model analyses how will school enrolment change conditionally on the changes in the level of the shadow economy. The sign of coefficient implies that with an increase of the level of the shadow economy by 1 % School enrolment will decrease by 1,61%. The third model displays changes in mortality rate. The sign of coefficient corresponds suggests that with an

increase of the level of the shadow economy by 1% Mortality rate will increase by 4,66 lives per 1000 live birth. The fourth model corresponds to changes in the Prevalence of HIV. The sign of coefficient implies that with an increase in the level of the shadow economy by 1 unit Prevalence of HIV will decrease by 0,12%. Analyse of meaning of changes in indicators demonstrates that the shadow economy has negative effect on all indicators except for prevalence of HIV.

The Models with Interaction term were used for estimation of coefficients described above results corresponds to the countries with the level of development ‘0’, in other words to the countries from the group ‘least developed’, since it was used dummy variable as a moderator. In order to check how the indicators of social development change it values in case of different level of development, we address to the signs of interaction term and the shadow economy. If the coefficients which correspond to the shadow economy and to the interaction term have the same sign then the effect is increasing for advanced countries, if signs are opposite then the effect is decreasing. Therefore, for the life expectancy effect is increasing, for the school enrolment, mortality rate and prevalence of HIV effects are decreasing. The changes in value of indicators of social development with an increase of the level of shadow economy by 1 unit in advanced countries can be estimated by summing up the coefficients corresponding to the shadow economy and to the interaction term ($\beta_1 + \beta_3$). Coefficients corresponding to the shadow economy were summarized in the Table 3. This data describes how the effect of the shadow economy on the indicators of social development differs depending on the level of development in country.

Table 3. The effect of the shadow economy on indicators of social development in least developed and advanced countries.

<i>Dependent Var</i>	Life expectancy		School Enrolment		Mortality rate		Prevalence of HIV	
	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)
Least developed	-0,431	-0,204	-1,61	-1,45	4,66	1,65	-0,12	-0,055
Advanced	-0,669	-0,678	-0,248	-0,739	1,39	-1,1	-0,027	-0,088

The second group of specifications differs from the first one in the way that such control variables as Health Expenditure and Education Expenditure (separately) are included in the models. The main results from such specification suggest that these control variables show significant effect on the indicators of social development while coefficients for the shadow economy, level of development and interaction term remain significant and the magnitude of coefficients did not show any considerable changes. It might be explained by the fact that variables of interest and indicators of social development do not have “spurious effect”.

Before proceeding to the discussion and policy implications of the results achieved so far, it seems important to consider validity of the models estimated in this section. Therefore, all the models are tested for normality of residuals. The patterns of residuals are common for all the models and specification, thus it seems expedient to generalize findings to all the models under consideration.

In particular, the normality tests support the hypothesis that residuals are normally distributed. It is concluded that residuals are normally distributed with the zero mean, thus the models estimated in this section are valid and can be used as a basis for further analysis.

The analysis demonstrates that the negative effect of the shadow economy dominates on the indicators of social development. It is also dependent of a level of development, which confirms theoretical predictions.

5. RESEARCH CONTRIBUTION AND DISCUSSION

The discussion so far was focused on the extension of the theoretical understanding of the effects of the shadow economy on social development. In addition, the purpose also consisted in empirical justification for the theoretical findings in order to ensure that such a consideration can capture the real-world picture.

In order to achieve the purpose of the research, a wide range of the literature were reviewed and referred to within the paper. Nonetheless, although most of the findings are to some extent based on findings published before, the results of the paper also imply a number of contributions to the existing literature and, as it is believed, fill the literature gap presented in the introduction. Therefore, this section will focus on the discussion of the contribution of this paper to existing literature and possible extensions that are a subject to the future research.

A novelty of this paper is the role that the level of development plays in the intensity of effects of the shadow economy on social development over time. The model suggests that the social development in advanced countries suffer less from the effects of the shadow economy in comparison to the least developed countries.

As it was discussed mostly in the literature review, a multitude of works paid attention to the economic aspects of the shadow economy. However, as it was mentioned earlier, there is a wide range of factors which interconnected with the underground economy, and it is not only economic, but also political, sociological or psychological which to a various extent influence the shadow economy or are affected.

The core tested hypothesis is proves that the shadow economy has mainly negative effect on social development. However, as social development is a complex process, it cannot be presented by one comprehensive index. All indexes which are used by researchers are still highly discussed and have different pros and cons. Therefore, it was decided for this paper to use four different indicators of social development and specify four different models. This allowed to research versatility of effects of the shadow economy on social development. Therefore, results reflect the reality, since this phenomenon does not have only negative or positive effects. Four different models support that the shadow economy is complex phenomenon and has versatile effects on the various indicators of social development. Three out of four indicators (school enrolment, under-5 mortality, life expectancy) experience negative influence of the shadow economy, but with different magnitude. For instance, with an increase of the shadow economy by 1% level of under-5 mortality will increase by 4, 66 children per 1000 live birth. It is the biggest magnitude comparison to other models. It is worse noting that with an increase of the shadow economy by 1% level of HIV prevalence will decrease by 0, 12%. Therefore, the flourishing of the shadow economy can have

small positive effect for the prevalence of HIV. Analysis of empirical results shows that the shadow economy does not have absolute negative effect, but adverse influence is dominant.

The second hypothesis cannot be rejected, since magnitudes of coefficients from models present evidence that in advanced countries the shadow economy has less impact than in least developed ones. Four different models allowed concluding that changes in intensity of effects among least developed and advanced countries also change in terms of different indicators. The effect of the shadow economy on under-5 mortality, school enrolment and HIV prevalence is more intensive in least developed countries, while this effect on life expectancy is more intensive in advanced countries - the magnitude of coefficient corresponding to life expectancy in advanced countries is greater by 55 % than in least developed countries, while coefficient of school enrolment in least developed countries is 6, 5 times greater than in advanced. Therefore, the shadow economy has more adverse effect on social development in least developed countries than in advanced. It is not the aim of this paper to find the causes of such evidence, but it is necessary to mention that this prove high sensibilities of social environment in least developed countries.

In addition to discussion of the effects of the informal economy presented above, some conclusions regarding public policy can be suggested, which seems important for development. The results of this study can be used in several directions, for advanced policies of increasing social development, as well as development of policies for combating the shadow economy. Moreover, these directions can be interconnected. For instance, promotion of macroeconomic policies which encourage creation of formal employment, with spread of awareness about social development and negative impact of informal activities on social benefits, can have synergetic effect, encourage and motivate people to avoid the shadow economy and, as a result, contribute to social development of society.

The analysis presented here has a number of limitations. First of all, it should be kept in mind that “empirical analysis of the shadow economy must be valued very carefully” (Amendola and Dell’Anno ,2010), since still any common methodology for estimating the level of the shadow economy does not exist, so estimates does not show precise share of the informal economy. Another kind of issues, which are important to mention, relates to empirical analysis conducted within the thesis. In particular, one of the obvious weaknesses of the data used is missing observations that certainly reduced the power of the results. Nevertheless, such missing observations are considered as purely random and amount to an insignificant share of total observations, thus seem not to be a point for the serious concern.

Much further research is needed in order to find more evidences of ‘cooperation’ of the shadow economy and social development. It is necessary to research cross-country interconnections as well

as in terms of single country. It will allow to analyse the ways of influence and potential methods of controlling of negative effects.

To sum up, the results obtained in this work are expected to bear theoretical importance to understand the effects of the shadow economy on social development. Therefore, it can be considered as a contribution to the defined gap in the existing literature. The results are considered to be valid after the critical assessment of the conducted research

6. CONCLUSION

Social development remains a topical problem in many developing countries as well as in developed ones. The researchers have made large efforts to estimate the size of the shadow economy, the causes and economic consequences, but there has been less attention in the empirical studies on the effect of the informal activities on social development.

Mass of the literature presents findings of effects of the shadow economy. This issue still remains urgent, as researchers found the positive effects as well as negative. Therefore, the literature review discussed findings of supporters of both sides. Schneider is one of the leading experts on the shadow economy and he made detailed research for different aspect of the informal economy and noticed versatility of effects of the shadow economy (Schneider and Enste, 2013), while majority of other researchers paid attention to more narrow areas or to special cases. For instance, Temkin (2009) researched informal self-employment in Mexico, Misati (2010) studied the role of the shadow economy on investment in Sub-Saharan Africa, Mulwafu (2007) focused in his research on the role of the shadow economy in poverty reduction in Malawi. Therefore, based on comprehensive analysis of existent theories, research gap was identifies and hypotheses were stated.

The paper has taken the step toward understanding the impact of the shadow economy on social development across countries in long-term period. Using four indicators (life expectancy, prevalence of HIV, school enrollment and under-5 mortality) of social development as comprehensive attributes of this phenomena, the effect of the shadow economy on social development has been analyzed. The quantitative empirical results of 31 'advanced' and 27 'least developed' countries show that a negative effect of the shadow economy prevails over the positive in social development in all countries. The results support the hypothesis that changes in 1 % of the shadow economy for least developed countries are more adverse then for advanced countries.

The main result of the theoretical analysis is that, *ceteris paribus*, the shadow economy has negative effect on social development. Models also predict that this effect should interact with other features of the country i.e. level of development. The empirical investigation confirms these hypotheses. The econometric results demonstrate that an effect of the shadow economy is negative for life expectancy, school enrolment, and under-5 mortality, while it has very small positive effect on the prevalence of HIV. These results are robust to the inclusion of control variables and are sensitive to the interaction of level of development.

I believe that results reported here confirm that the shadow economy is crucial phenomena not only for economic but also for social life within countries and, as a result, the purpose of the research was achieved. The results also emphasize the role of the shadow economy in social development and suggest issues for further research.

REFERENCES

- Amendola, A. & Dell'Anno, R. (2010). Institutions and Human development in the Latin America shadow economy. *Estudios En Derecho Y Gobierno*. Pag.9-24
- Adam, M. C., & Ginsburgh, V. (1985). The effects of irregular markets on macroeconomic policy: some estimates for Belgium. *European Economic Review*,29(1), 15-33.
- Andrews, D., Sánchez, A. C., & Johansson, Å. (2011). *Towards a better understanding of the informal economy*. OECD.
- Bhattacharyya, D. K. (1993). How Does the “Hidden Economy” Affect Consumers Expenditure? An Econometric Study of the UK (1960-1984). *International Institute of Public Finance, Berlin*.
- Bovi, M. (2002). *The nature of the underground economy*. ISAE.
- Braude, W. (2005). South Africa Country Analysis. *Good Jobs, Bad Jobs, No Job: Labor Markets in Egypt, El Salvador, India, Russia and South Africa*, T. Avirgan, J. Bivens and S. Gammage (eds) *Global Policy Network, Economic Policy Institute, Washington DC*.
- Buehn, A., & Schneider, F. (2012). Shadow economies around the world: novel insights, accepted knowledge, and new estimates. *International Tax and Public Finance*, 19(1), 139-171.
- Cameron, A. C., & Trivedi, P. K. (2005). *Microeconometrics: methods and applications*. Cambridge university press.
- D'Hernoncourt, J., & Méon, P. G. (2008). The not so dark side of trust: does trust increase participation in the shadow economy. *Unpublished manuscript, Université Libre de Bruxelles*.
- Dabla-Norris, E., Gradstein, M., & Inchauste, G. (2008). What causes firms to hide output? The determinants of informality. *Journal of Development Economics*,85(1), 1-27.
- Dreher, A., Kotsogiannis, C., & McCorriston, S. (2009). How do institutions affect corruption and the shadow economy?. *International Tax and Public Finance*,16(6), 773-796.
- Eilat, Y., & Zinnes, C. (2000). The evolution of the shadow economy in transition countries: consequences for economic growth and donor assistance. *Harvard Institute for International Development, CAER II Discussion Paper*, (83).
- Elgin, C., & Oztunali, O. (2012). Shadow economies around the world: model based estimates. *Bogazici University Department of Economics Working Papers*,5.
- Ela, M. (2013). An Assessment on the Relationship Between Informal Economy and Educational Level in Turkey. *International Journal of Economics and Financial Issues*, 3(4), 910-922.
- Enste, D. H. (2010). Shadow Economy–The Impact of Regulation in OECD-countries. *International Economic Journal*, 24(4), 555-571.

- Gërxfhani, K. (1999). *Informal sector in developed and less developed countries: a literature survey* (No. 99-083/2). Tinbergen Institute Discussion Paper.
- Greene, W. H. 2008. *Econometric Analysis, 6/e*. Pearson Education India.
- Hindriks, J., Keen, M., & Muthoo, A. (1999). Corruption, extortion and evasion. *Journal of Public Economics, 74*(3), 395-430.
- International Labour Organization, (2009). The informal economy in Africa: Promoting transition to formality: Challenges and strategies.
Available at: http://www.ilo.org/emppolicy/pubs/WCMS_127814/lang--en/index.htm
- Loayza, N.V. 1996. The economics of the informal sector: A simple model and some empirical evidence from Latin America. *Carnegie-Rochester Conference Series on Public Policy* 45 1: 129-162.
- Mara, Eugenia-Ramona, (2011). Causes and consequences of underground economy, *MPRA Paper 36438, University Library of Munich, Germany*, revised 2011.
- Misati, R. N. (2010). The role of the informal sector in investment in Sub-Saharan Africa. *International Entrepreneurship and Management Journal, 6*(2), 221-230.
- Medina, S. (1996). *Implementing a new indicator of social development in Mexico: literate life expectancy (LLE)*. International Institute for Applied Systems Analysis.
- Mulwafu, A. O. (2007). The role of the informal sector in poverty reduction and food security in Malawi (A case study of Lufita EPA in Chiptida RDP).
- Nikopour, H., Shah Habibullah, M., & Schneider, F. (2008). *The shadow economy Kuznets's curve panel data analysis*. MPRA Paper No. 12956.
- Pfau-Effinger, B. (2003, May). Development of informal work in Europe-causal factors, problems, approaches to solutions. In *EU Workshop Informal/undeclared work 21st May, Brussels*.
- RĂDULESCU, I. G., POPESCU, C., & Matei, M. (2010). Conceptual Aspects of Shadow Economy. *Transactions on Business and Economics–WSEAS, 7*, 160-169.
- Romero, R. G. (2010). The dynamics of the informal economy.
- Schneider, F., & Enste, D. (2000). *Shadow economies around the world-size, Causes, and Consequences*. International Monetary Fund.
- Schneider, F., & Klingmair, R. (2003). Shadow Economies around theWorld: What doWe Know. *University of Linz, Austria. Manuscript*.
- Schneider, F., & Dreher, A. (2006). Corruption and the Shadow Economy: An Imperical Analysis.

Schneider, F., & Hametner, B. (2007). *The shadow economy in Colombia: size and effects on economic growth* (No. 0703). Working Paper, Department of Economics, Johannes Kepler University of Linz.

Schneider, F. (2009). *The Shadow Economy in Europe. Using Payment Systems to Combat the Shadow Economy. Commissioned by AT Kearney.*

Schneider, F., Buehn, A., & Montenegro, C. E. (2010). New Estimates for the Shadow Economies all over the World. *International Economic Journal*, 24(4), 443-461.

Schneider, F., & Enste, D. H. (2013). *The Shadow Economy. Cambridge Books.*

Schneider, F. (2013). *The Shadow Economy in Europe, Electronic edition,* Available at: http://www.atkearney.com/financial-institutions/ideas-insights/article/-/asset_publisher/LCcgOeS4t85g/content/the-shadow-economy-in-europe-2013/10192

Singh, A., Jain-Chandra, S., & Mohommad, A. (2012). *Inclusive Growth, Institutions, and the Underground Economy (PDF Download).* International Monetary Fund.

Teobaldelli, D. (2011). Federalism and the shadow economy. *Public Choice*, 146(3-4), 269-289.

Teobaldelli, D., & Schneider, F. (2012). *Beyond the veil of ignorance: The influence of direct democracy on the shadow economy.* CESifo Working Paper MO3749, University of Munich, Munich.

Temkin, B. (2009). Informal Self-Employment in Developing Countries: Entrepreneurship or Survivalist Strategy? Some Implications for Public Policy. *Analyses of Social Issues and Public Policy*, 9(1), 135-156.

Terasawa, K. L., & Gates, W. R. (1998). Relationships between government size and economic growth: Japan's government reforms and evidence from OECD. *International public management journal*, 1(2), 195-223.

UNICEF, Reduce child mortality, Available at: <http://www.unicef.org/mdg/childmortality.html>

United Nations Development Programme, (1990). *Human Development Report 1990.* New York: Oxford University Press

APPENDICES

Appendix 1. List of countries under consideration

Advanced countries: Australia, Austria, Belgium, Canada, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Ireland, Israel, Italy, Japan, South Korea, Luxembourg, Netherlands, New Zealand, Norway, Portugal, Singapore, Slovakia, Slovenia, Spain, Sweden, Switzerland, Taiwan, United Kingdom, United States

Least developed countries: Angola, Bangladesh, Benin, Burkina Faso, Burundi, Cambodia, Central African Republic, Chad, Comoros, Democratic, Republic Congo, Equatorial Guinea, Eritrea, Ethiopia, Gambia, Guinea, Guinea-Bissau, Laos, Lesotho, Liberia, Madagascar, Malawi, Mali, Mauritania, Mozambique, Nepal, Solomon Islands, Yemen.

Appendix 2. Do-file

```
xtset id Year
```

```
tabstat Sh_ec HIV L_e Mortal Ed, by(Lev_of_dev) stat(n mean sd min max)
```

```
xtreg Mortal Sh_ec Lev_of_dev Inter_SE_LD, fe  
estimate store fixed  
xtreg Mortal Sh_ec Lev_of_dev Inter_SE_LD, re  
estimate store random  
hausman fixed random
```

```
xtreg Ed Sh_ec Lev_of_dev Inter_SE_LD, fe  
estimate store fixed  
xtreg Ed Sh_ec Lev_of_dev Inter_SE_LD, re  
estimate store random  
hausman fixed random
```

```
xtreg L_e Sh_ec Lev_of_dev Inter_SE_LD, fe  
estimate store fixed  
xtreg L_e Sh_ec Lev_of_dev Inter_SE_LD, re  
estimate store random  
hausman fixed random
```

```
xtreg HIV Sh_ec Lev_of_dev Inter_SE_LD, fe  
estimate store fixed  
xtreg HIV Sh_ec Lev_of_dev Inter_SE_LD, re  
estimate store random  
hausman fixed random
```

```
xtreg HIV Sh_ec Lev_of_dev Inter_SE_LD, re  
xtreg L_e Sh_ec Lev_of_dev Inter_SE_LD, re  
xtreg Mortal Sh_ec Lev_of_dev Inter_SE_LD, re  
xtreg Ed Sh_ec Lev_of_dev Inter_SE_LD, re
```

```
tabstat C_exp_hl C_Exp_ed, by(Lev_of_dev) stat(n mean sd min max)
```

```
xtreg Ed Sh_ec Lev_of_dev Inter_SE_LD C_Exp_ed, re  
xtreg L_e Sh_ec Lev_of_dev Inter_SE_LD C_exp_hl, re  
xtreg HIV Sh_ec Lev_of_dev Inter_SE_LD C_exp_hl, re
```

```
xtreg Mortal Sh_ec Lev_of_dev Inter_SE_LD C_exp_hl, re
```

```
predict HIV_hat  
gen res = HIV - HIV_hat  
swilk res  
sktest res  
histogram res
```

```
predict L_e_hat  
gen res1 = L_e - L_e_hat  
swilk res1  
sktest res1  
histogram res1
```

```
predict Mortal_hat  
gen res2 = Mortal - Mortal_hat  
swilk res2  
sktest res2  
histogram res2
```

```
predict Ed_hat  
gen res3 = Ed - Ed_hat  
swilk res3  
sktest res3  
histogram res3
```

Appendix 3. Data

<i>Country name</i>	<i>Year</i>	<i>ID</i>	<i>Under-5 mortality</i>	<i>Shadow economy</i>	<i>School Enrolment</i>	<i>Life expectancy</i>	<i>HIV Prevalence</i>	<i>Level of development</i>	<i>Interaction term</i>	<i>Education Expenditure</i>	<i>Health Expenditure</i>
<i>cname</i>	<i>Year</i>	<i>id</i>	<i>Mortal</i>	<i>Sh_ec</i>	<i>Ed</i>	<i>L_e</i>	<i>HIV</i>	<i>Lev_of_dev</i>	<i>Inter_SE_LD</i>	<i>C_Exp_ed</i>	<i>C_exp_hl</i>
Australia	1970	33	23,09	18,6		71,01853659		1	18,6		
Australia	1971	33	23,01	18,29	96,20109	71,06829268		1	18,29		
Australia	1972	33	21,25	18,11		71,45756098		1	18,11		
Australia	1973	33	19,44	17,98	94,7445	71,84682927		1	17,98		
Australia	1974	33	18,25	17,69	94,05362	72,23609756		1	17,69		
Australia	1975	33	16,07	17,58	96,71617	72,62536585		1	17,58		
Australia	1976	33	15,2	17,51	97,66271	73,01463415		1	17,51		
Australia	1977	33	14,76	17,44	99,96267	73,34439024		1	17,44		
Australia	1978	33	15,01	17,35	99,9718	73,67414634		1	17,35	6,03485	
Australia	1979	33	14,97	17,23	99,98426	74,00390244		1	17,23	5,9527	
Australia	1980	33	14,57	17,15	99,9532	74,33365854		1	17,15	5,70624	
Australia	1981	33	13,95	17,03	99,43901	74,66341463		1	17,03		
Australia	1982	33	13,34	16,82	98,37164	74,90487805		1	16,82	5,48097	
Australia	1983	33	12,21	16,75	97,43295	75,14634146		1	16,75	5,46009	
Australia	1984	33	11,32	16,65	95,68052	75,38780488		1	16,65		
Australia	1985	33	11,06	16,53	95,77825	75,62926829		1	16,53	5,45325	
Australia	1986	33	10,11	16,46	96,48354	75,87073171		1	16,46	5,33765	
Australia	1987	33	9,91	16,39	97,05439	76,15170732		1	16,39	5,14408	
Australia	1988	33	9,89	16,3	97,73623	76,43268293		1	16,3	4,99201	
Australia	1989	33	10,34	16,16	97,85116	76,71365854		1	16,16	4,82172	
Australia	1990	33	9,92	16	97,45849	76,99463415	0,1	1	16	4,78955	
Australia	1991	33	9,03	15,91	96,89392	77,27560976	0,1	1	15,91	4,95011	
Australia	1992	33	8,7	15,88	96,69243	77,37804878	0,1	1	15,88	4,87163	
Australia	1993	33	7,91	15,8	96,30212	77,87804878	0,1	1	15,8	5,71778	
Australia	1994	33	7,44	15,73	95,99659	77,87804878	0,1	1	15,73	5,37923	
Australia	1995	33	7,14	15,62	94,52698	77,82926829	0,1	1	15,62	5,22678	7,250867844
Australia	1996	33	7,03	15,51	94,85367	78,07804878	0,1	1	15,51	5,40523	7,438691139
Australia	1997	33	6,78	15,36	94,41408	78,4804878	0,1	1	15,36		7,49133873
Australia	1998	33	6,51	15,19	94,21521	78,63170732	0,1	1	15,19		7,647304058
Australia	1999	33	6,65	14,99	93,97774	78,93170732	0,1	1	14,99		7,775015831
Australia	2000	33	6,42	14,8	94,06639	79,23414634	0,1	1	14,8	5,02795	8,052680016
Australia	2001	33	6,24	14,68	93,9205	79,63414634	0,1	1	14,68		8,162904739
Australia	2002	33	6,06	14,55	94,37601	79,93658537	0,1	1	14,55		8,390029907
Australia	2003	33	5,9	14,37	94,25448	80,23902439	0,1	1	14,37		8,337224007
Australia	2004	33	5,79	14,14	94,38939	80,4902439	0,1	1	14,14		8,58651638
Australia	2005	33	5,85	13,98	94,51106	80,84146341	0,1	1	13,98	5,10661	8,479382515
Australia	2006	33	5,65	13,74	94,63293	81,04146341	0,1	1	13,74	4,94934	8,52038765

<i>Country name</i>	<i>Year</i>	<i>ID</i>	<i>Under-5 mortality</i>	<i>Shadow economy</i>	<i>School Enrolment</i>	<i>Life expectancy</i>	<i>HIV Prevalence</i>	<i>Level of development</i>	<i>Interaction term</i>	<i>Education Expenditure</i>	<i>Health Expenditure</i>
<i>cname</i>	<i>Year</i>	<i>id</i>	<i>Mortal</i>	<i>Sh_ec</i>	<i>Ed</i>	<i>L_e</i>	<i>HIV</i>	<i>Lev_of_dev</i>	<i>Inter_SE_LD</i>	<i>C_Exp_ed</i>	<i>C_exp_hl</i>
Australia	2007	33	5,38	13,5	96,12533	81,29268293	0,2	1	13,5	4,89364	8,553137779
Australia	2008	33	5,14	13,23	96,27088	81,39512195	0,2	1	13,23	4,84588	8,750994682
Austria	1970	34	29,36	13,1		69,89073171		1	13,1		
Austria	1971	34	29,26	12,83	90,95884	70,06926829		1	12,83		
Austria	1972	34	28,61	12,61	89,63921	70,41365854		1	12,61		
Austria	1973	34	27,3	12,36	88,09796	70,97926829		1	12,36		
Austria	1974	34	27,16	12,1	87,39175	70,96243902		1	12,1		
Austria	1975	34	24,5	11,82	87,55329	71,08414634		1	11,82	5,22038	
Austria	1976	34	21,32	11,69	87,48698	71,55121951		1	11,69	5,33988	
Austria	1977	34	19,29	11,55		71,89536585		1	11,55	5,05486	
Austria	1978	34	17,86	11,38		71,96707317		1	11,38	5,26794	
Austria	1979	34	17,25	11,3		72,28731707		1	11,3	5,14183	
Austria	1980	34	17,16	11,13		72,42365854		1	11,13	5,11583	
Austria	1981	34	15,99	11,01		72,75804878		1	11,01	5,49447	
Austria	1982	34	15,05	11		72,89707317		1	11	5,48151	
Austria	1983	34	13,49	10,93		72,96853659		1	10,93	5,4092	
Austria	1984	34	12,88	10,93		73,52756098		1	10,93	5,40494	
Austria	1985	34	12,28	10,86		73,74512195		1	10,86	5,40647	
Austria	1986	34	11,54	10,81		74,22292683		1	10,81	5,63016	
Austria	1987	34	11,09	10,77		74,66926829		1	10,77	5,50246	
Austria	1988	34	10,6	10,71		75,14414634		1	10,71	5,29258	
Austria	1989	34	10,88	10,63	93,3601	75,24804878		1	10,63	5,11149	
Austria	1990	34	10,85	10,57		75,53	0,1	1	10,57	5,04553	
Austria	1991	34	10,49	10,5		75,56780488	0,1	1	10,5	5,22161	
Austria	1992	34	9,87	10,44		75,85536585	0,1	1	10,44	5,40245	
Austria	1993	34	8,64	10,35		76,10634146	0,1	1	10,35	5,35498	
Austria	1994	34	7,72	10,35		76,45707317	0,1	1	10,35		
Austria	1995	34	6,81	10,27		76,71560976	0,1	1	10,27	5,57155	9,581763268
Austria	1996	34	6,29	10,16		76,98365854	0,1	1	10,16	5,35197	9,533202171
Austria	1997	34	6,06	10,08		77,38756098	0,1	1	10,08		9,812478065
Austria	1998	34	6,04	10,01		77,57317073	0,1	1	10,01	6,33006	9,97160244
Austria	1999	34	6,01	9,93		77,77560976	0,1	1	9,93	6,36574	10,158288
Austria	2000	34	6,1	9,86		78,02682927	0,1	1	9,86	5,82474	10,02436066
Austria	2001	34	5,92	9,98		78,52682927	0,1	1	9,98	5,86458	10,09367085
Austria	2002	34	5,47	9,71		78,67804878	0,2	1	9,71	5,74871	10,1222868
Austria	2003	34	5,29	9,68		78,63170732	0,2	1	9,68	5,57929	10,30353355
Austria	2004	34	5,03	9,96		79,1804878	0,2	1	9,96	5,51614	10,42830276
Austria	2005	34	4,76	9,57		79,33170732	0,2	1	9,57	5,49171	10,41869926
Austria	2006	34	4,49	9,54		79,83170732	0,3	1	9,54	5,46262	10,2176609
Austria	2007	34	4,34	9,5		79,98292683	0,3	1	9,5	5,39902	10,26168251

<i>Country name</i>	<i>Year</i>	<i>ID</i>	<i>Under-5 mortality</i>	<i>Shadow economy</i>	<i>School Enrolment</i>	<i>Life expectancy</i>	<i>HIV Prevalence</i>	<i>Level of development</i>	<i>Interaction term</i>	<i>Education Expenditure</i>	<i>Health Expenditure</i>
<i>cname</i>	<i>Year</i>	<i>id</i>	<i>Mortal</i>	<i>Sh_ec</i>	<i>Ed</i>	<i>L_e</i>	<i>HIV</i>	<i>Lev_of_dev</i>	<i>Inter_SE_LD</i>	<i>C_Exp_ed</i>	<i>C_exp_hl</i>
Austria	2008	34	4,26	9,42		80,23414634	0,3	1	9,42	5,48183	10,48954201
Belgium	1970	35	25,5	28,21		70,97195122		1	28,21		
Belgium	1971	35	24,9	27,77		71,0604878		1	27,77		
Belgium	1972	35	22,9	27,39		71,40512195		1	27,39		
Belgium	1973	35	20,67	27,13		71,63536585		1	27,13		
Belgium	1974	35	19,33	26,83		71,98585366		1	26,83		
Belgium	1975	35	17,95	26,35		71,97121951		1	26,35	5,80237	
Belgium	1976	35	17,17	26,16		72,1197561		1	26,16	5,76868	
Belgium	1977	35	16,06	25,88	97,61263	72,77390244		1	25,88	6,04461	
Belgium	1978	35	15,74	25,63		72,69804878		1	25,63	5,49331	
Belgium	1979	35	15,45	25,43	99,23481	73,19365854		1	25,43	5,46191	
Belgium	1980	35	15,26	25,26	99,69442	73,20707317		1	25,26	5,40524	
Belgium	1981	35	14,43	24,9	98,35583	73,62170732		1	24,9	5,5277	
Belgium	1982	35	13,51	24,81	98,19965	73,88804878		1	24,81	5,43271	
Belgium	1983	35	12,58	24,75	94,83116	73,86902439		1	24,75		
Belgium	1984	35	11,73	24,8	93,94499	74,40487805		1	24,8		
Belgium	1985	35	11,11	24,71	93,29148	74,5202439		1	24,71		
Belgium	1986	35	10,93	24,69	94,44201	74,73170732		1	24,69	4,93131	
Belgium	1987	35	10,96	24,64	95,56829	75,36585366		1	24,64	4,63735	
Belgium	1988	35	10,74	24,58	96,57688	75,56585366		1	24,58	4,35806	
Belgium	1989	35	10,39	24,4		75,63268293		1	24,4		
Belgium	1990	35	10,24	24,17		76,05195122	0,1	1	24,17		
Belgium	1991	35	10,23	23,86	95,94739	76,19219512	0,1	1	23,86		
Belgium	1992	35	9,94	23,64	94,43876	76,35121951	0,1	1	23,64		
Belgium	1993	35	9,28	23,44	96,93975	76,34536585	0,1	1	23,44	5,38151	
Belgium	1994	35	8,38	23,28	96,29561	76,69170732	0,1	1	23,28	5,37866	
Belgium	1995	35	7,29	23,12	96,34139	76,84073171	0,1	1	23,12	2,97815	7,611325264
Belgium	1996	35	6,61	22,93	96,8425	77,18731707	0,1	1	22,93	3,03104	7,91027689
Belgium	1997	35	6,5	22,78		77,37073171	0,1	1	22,78		7,765482426
Belgium	1998	35	6,39	22,57		77,47317073	0,1	1	22,57		7,886498451
Belgium	1999	35	6,26	22,43	99,0426	77,6195122	0,1	1	22,43		8,076960564
Belgium	2000	35	6,21	22,25	99,05609	77,72195122	0,2	1	22,25		8,120596886
Belgium	2001	35	5,98	21,95	99,11144	77,97317073	0,2	1	21,95	5,88362	8,292052269
Belgium	2002	35	5,64	21,81	98,87255	78,07560976	0,2	1	21,81	6,00869	8,461767197
Belgium	2003	35	5,28	21,71	98,09417	78,12926829	0,2	1	21,71	5,93259	9,967697144
Belgium	2004	35	5	21,68	96,68327	78,87804878	0,2	1	21,68	5,88988	10,00821877
Belgium	2005	35	4,97	21,62	96,54529	78,9804878	0,2	1	21,62	5,88343	9,983261108
Belgium	2006	35	5,01	21,44	97,10411	79,3804878	0,3	1	21,44	5,93313	9,481106758
Belgium	2007	35	4,92	21,3	98,43851	79,78292683	0,3	1	21,3	5,94443	9,525443077
Belgium	2008	35	4,75	21,08	98,82732	79,6804878	0,3	1	21,08	6,34017	9,912775993

<i>Country name</i>	<i>Year</i>	<i>ID</i>	<i>Under-5 mortality</i>	<i>Shadow economy</i>	<i>School Enrolment</i>	<i>Life expectancy</i>	<i>HIV Prevalence</i>	<i>Level of development</i>	<i>Interaction term</i>	<i>Education Expenditure</i>	<i>Health Expenditure</i>
<i>cname</i>	<i>Year</i>	<i>id</i>	<i>Mortal</i>	<i>Sh_ec</i>	<i>Ed</i>	<i>L_e</i>	<i>HIV</i>	<i>Lev_of_dev</i>	<i>Inter_SE_LD</i>	<i>C_Exp_ed</i>	<i>C_exp_hl</i>
Canada	1970	36	26,13	20,87		72,7004878		1	20,87		
Canada	1971	36	24,16	20,7		73,02926829		1	20,7		
Canada	1972	36	21,83	20,56		72,93390244		1	20,56		
Canada	1973	36	18,81	20,46		73,16268293		1	20,46		
Canada	1974	36	17,23	20,27		73,23756098		1	20,27		
Canada	1975	36	16,03	20,02		73,52170732		1	20,02	6,66172	
Canada	1976	36	15,06	19,91		73,85609756		1	19,91	6,95124	
Canada	1977	36	14,26	19,69		74,21560976		1	19,69	6,98392	
Canada	1978	36	13,89	19,54		74,5297561		1	19,54	7,38512	
Canada	1979	36	13,27	19,42		74,86634146		1	19,42	7,01304	
Canada	1980	36	12,87	19,21		75,07804878		1	19,21	6,78974	
Canada	1981	36	11,95	19,07		75,47853659		1	19,07	6,73231	
Canada	1982	36	11,2	18,8	95,64328	75,6804878		1	18,8	6,87072	
Canada	1983	36	10,55	18,78	95,3743	76,03634146		1	18,78	7,25884	
Canada	1984	36	10,09	18,73	94,81064	76,31756098		1	18,73	6,98595	
Canada	1985	36	9,73	18,61	94,66266	76,30341463		1	18,61	6,56721	
Canada	1986	36	9,59	18,47	94,97936	76,44		1	18,47	6,39655	
Canada	1987	36	9,16	18,33	95,0424	76,7395122		1	18,33	6,69945	
Canada	1988	36	9,02	18,14	95,03849	76,80926829		1	18,14	6,52144	
Canada	1989	36	9,06	17,93	95,27471	77,06560976		1	17,93	6,41808	
Canada	1990	36	8,84	17,66	95,27605	77,37707317	0,2	1	17,66	6,31123	
Canada	1991	36	8,24	17,46	97,82846	77,55341463	0,2	1	17,46	7,27836	
Canada	1992	36	7,72	17,34	97,57134	77,32073171	0,2	1	17,34	7,14643	
Canada	1993	36	7,63	17,28	95,94378	77,68512195	0,2	1	17,28	8,17144	
Canada	1994	36	7,55	17,24	95,38824	77,86195122	0,2	1	17,24	7,08532	
Canada	1995	36	7,22	17,14	94,2607	77,97756098	0,2	1	17,14	6,72142	9,033977509
Canada	1996	36	6,89	17,03	95,18885	78,2304878	0,2	1	17,03		8,822245598
Canada	1997	36	6,78	16,97		78,4804878	0,2	1	16,97		8,785803795
Canada	1998	36	6,79	16,8	98,50768	78,66243902	0,3	1	16,8	5,82702	9,037326813
Canada	1999	36	6,84	16,68	99,78286	78,88292683	0,3	1	16,68	5,88086	8,902332306
Canada	2000	36	6,6	16,52	99,92271	79,23658537	0,3	1	16,52	5,75875	8,842395782
Canada	2001	36	6,58	16,32		79,48780488	0,3	1	16,32	5,22473	9,315736771
Canada	2002	36	6,48	16,23		79,5902439	0,3	1	16,23	5,30769	9,597873688
Canada	2003	36	6,29	16,12		79,83902439	0,3	1	16,12		9,781375885
Canada	2004	36	6,1	15,94		80,14146341	0,3	1	15,94		9,807875633
Canada	2005	36	6,03	15,74		80,29268293	0,3	1	15,74	5,03392	9,829464912
Canada	2006	36	5,79	15,52		80,64390244	0,3	1	15,52		9,962073326
Canada	2007	36	5,55	15,3		80,36987805	0,3	1	15,3	4,9669	10,02632236
Canada	2008	36	5,33	15,08		80,54321951	0,3	1	15,08	4,83331	10,25366592
Cyprus (-1974)	1970	37	26,62	34,37		72,52297561		1	34,37		

<i>Country name</i>	<i>Year</i>	<i>ID</i>	<i>Under-5 mortality</i>	<i>Shadow economy</i>	<i>School Enrolment</i>	<i>Life expectancy</i>	<i>HIV Prevalence</i>	<i>Level of development</i>	<i>Interaction term</i>	<i>Education Expenditure</i>	<i>Health Expenditure</i>
<i>cname</i>	<i>Year</i>	<i>id</i>	<i>Mortal</i>	<i>Sh_ec</i>	<i>Ed</i>	<i>L_e</i>	<i>HIV</i>	<i>Lev_of_dev</i>	<i>Inter_SE_LD</i>	<i>C_Exp_ed</i>	<i>C_exp_hl</i>
Cyprus (-1974)	1971	37	25,69	33,8	79,73073	72,77297561		1	33,8		
Cyprus (-1974)	1972	37	24,86	33,25	78,37997	73,01697561		1	33,25		
Cyprus (-1974)	1973	37	24,16	32,77	78,27544	73,25446341		1	32,77		
Cyprus (-1974)	1974	37	23,48	32,16	77,64533	73,48546341		1	32,16		
Cyprus (1975-)	1975	37	22,86	31,74	71,21983	73,71043902		1	31,74	4,30154	
Cyprus (1975-)	1976	37	22,27	31,91	68,99792	73,93041463		1	31,91	3,79357	
Cyprus (1975-)	1977	37	21,73	32,2	68,07847	74,14487805		1	32,2	3,31881	
Cyprus (1975-)	1978	37	21,19	32	68,85344	74,35385366		1	32	3,25135	
Cyprus (1975-)	1979	37	20,6	31,66	69,57422	74,55782927		1	31,66	3,30899	
Cyprus (1975-)	1980	37	19,99	31,15	68,73445	74,75680488		1	31,15	3,37278	
Cyprus (1975-)	1981	37	19,33	30,56	71,21353	74,95129268		1	30,56	3,74177	
Cyprus (1975-)	1982	37	18,65	30,27	67,93829	75,1407561		1	30,27	3,68788	
Cyprus (1975-)	1983	37	17,91	29,95	68,09789	75,3252439		1	29,95		
Cyprus (1975-)	1984	37	17,18	29,7	68,37173	75,50621951		1	29,7	3,59519	
Cyprus (1975-)	1985	37	16,41	29,29	69,16624	75,68270732		1	29,29	3,5749	
Cyprus (1975-)	1986	37	15,67	28,99	73,80319	75,85617073		1	28,99	3,48288	
Cyprus (1975-)	1987	37	14,93	28,7	77,8571	76,02512195		1	28,7	3,40265	
Cyprus (1975-)	1988	37	14,2	28,41	79,33486	76,19107317		1	28,41	3,33157	
Cyprus (1975-)	1989	37	13,49	28,19	79,45967	76,35402439		1	28,19	3,32413	
Cyprus (1975-)	1990	37	12,81	27,8	78,8221	76,51395122		1	27,8	3,28576	
Cyprus (1975-)	1991	37	12,13	28,02	79,15348	76,67139024		1	28,02	3,51649	
Cyprus (1975-)	1992	37	11,44	27,83	77,3593	76,82631707		1	27,83	3,73349	
Cyprus (1975-)	1993	37	10,76	27,62	97,62945	76,97826829		1	27,62	4,03723	
Cyprus (1975-)	1994	37	10,11	27,51	96,91663	77,12770732		1	27,51	4,11343	
Cyprus (1975-)	1995	37	9,47	27,36	96,213	77,27465854		1	27,36	4,11122	4,735550404
Cyprus (1975-)	1996	37	8,84	27,24	96,11728	77,41909756		1	27,24		5,205468178
Cyprus (1975-)	1997	37	8,22	27,08	96,28477	77,56102439		1	27,08		5,530450344
Cyprus (1975-)	1998	37	7,64	27,05		77,70092683		1	27,05		5,583429337
Cyprus (1975-)	1999	37	7,08	26,97	95,3991	77,83780488		1	26,97	5,3088	5,597470284
Cyprus (1975-)	2000	37	6,55	27,04	95,31862	77,97165854		1	27,04	5,72218	5,76878643
Cyprus (1975-)	2001	37	6,05	27,03	94,96985	78,10197561		1	27,03	5,81104	5,782635212
Cyprus (1975-)	2002	37	5,59	26,99	95,94279	78,22926829		1	26,99	6,24515	6,123612881
Cyprus (1975-)	2003	37	5,15	26,95	96,14328	78,35304878		1	26,95	7,44995	6,830464363
Cyprus (1975-)	2004	37	4,73	27,01	96,11749	78,47634146		1	27,01	7,00379	6,41800642
Cyprus (1975-)	2005	37	4,34	26,79	99,34591	78,60119512		1	26,79	7,22141	6,369086742
Cyprus (1975-)	2006	37	4	26,63	99,21867	78,72914634		1	26,63	7,36699	6,278101444
Cyprus (1975-)	2007	37	3,67	26,5	99,04305	78,86373171		1	26,5	7,4807	6,052534103
Cyprus (1975-)	2008	37	3,37	26,19	98,70243	79,00495122		1	26,19	7,89498	6,892172813
Czech Republic	1970	38				69,4402439		1	0		
Czech Republic	1971	38				69,67707317		1	0		

<i>Country name</i>	<i>Year</i>	<i>ID</i>	<i>Under-5 mortality</i>	<i>Shadow economy</i>	<i>School Enrolment</i>	<i>Life expectancy</i>	<i>HIV Prevalence</i>	<i>Level of development</i>	<i>Interaction term</i>	<i>Education Expenditure</i>	<i>Health Expenditure</i>
<i>cname</i>	<i>Year</i>	<i>id</i>	<i>Mortal</i>	<i>Sh_ec</i>	<i>Ed</i>	<i>L_e</i>	<i>HIV</i>	<i>Lev_of_dev</i>	<i>Inter_SE_LD</i>	<i>C_Exp_ed</i>	<i>C_exp_hl</i>
Czech Republic	1972	38				70,17658537		1	0		
Czech Republic	1973	38				70,02268293		1	0		
Czech Republic	1974	38				70,08658537		1	0		
Czech Republic	1975	38				70,41463415		1	0		
Czech Republic	1976	38				70,53268293		1	0		
Czech Republic	1977	38				70,57341463		1	0		
Czech Republic	1978	38				70,64390244		1	0		
Czech Republic	1979	38				70,7495122		1	0		
Czech Republic	1980	38				70,27804878		1	0		
Czech Republic	1981	38				70,72219512		1	0		
Czech Republic	1982	38				70,80780488		1	0		
Czech Republic	1983	38				70,59146341		1	0		
Czech Republic	1984	38				70,83756098		1	0		
Czech Republic	1985	38				71,04634146		1	0		
Czech Republic	1986	38				70,99731707		1	0		
Czech Republic	1987	38				71,44560976		1	0		
Czech Republic	1988	38				71,64146341		1	0		
Czech Republic	1989	38				71,67560976		1	0		
Czech Republic	1990	38		18,13		71,38390244	0,1	1	18,13		
Czech Republic	1991	38		18,09		71,89829268	0,1	1	18,09		
Czech Republic	1992	38		18,21		72,27170732	0,1	1	18,21		
Czech Republic	1993	38	11,64	18,32		72,76780488	0,1	1	18,32	4,28932	
Czech Republic	1994	38	10,82	18,43		72,97268293	0,1	1	18,43	4,79595	
Czech Republic	1995	38	10,11	18,45		73,07487805	0,1	1	18,45	4,7001	6,693982124
Czech Republic	1996	38	9,46	18,35		73,71463415	0,1	1	18,35	4,44612	6,411251068
Czech Republic	1997	38	8,88	18,17		73,82487805	0,1	1	18,17		6,401053905
Czech Republic	1998	38	8,39	18,08		74,51463415	0,1	1	18,08	3,78638	6,418029308
Czech Republic	1999	38	7,91	18		74,66829268	0,1	1	18	3,90805	6,348931789
Czech Republic	2000	38	7,44	17,92		74,96829268	0,1	1	17,92	3,8943	6,313762188
Czech Republic	2001	38	6,96	17,82		75,17317073	0,1	1	17,82	4,04503	6,422187805
Czech Republic	2002	38	6,46	17,67		75,22195122	0,1	1	17,67	4,30887	6,797383308
Czech Republic	2003	38	5,98	17,49		75,17073171	0,1	1	17,49	4,48062	7,131816864
Czech Republic	2004	38	5,54	17,41		75,72195122	0,1	1	17,41	4,40589	6,903468609
Czech Republic	2005	38	5,17	17,28		75,92439024	0,1	1	17,28	4,25563	6,933943272
Czech Republic	2006	38	4,86	17,17		76,52439024	0,1	1	17,17	4,65792	6,693703175
Czech Republic	2007	38	4,62	17		76,72439024	0,1	1	17	4,36557	6,522338867
Czech Republic	2008	38	4,42	16,79		76,97560976	0,1	1	16,79	4,10809	6,818895817
Denmark	1970	39	16,42	23,21		73,34341463		1	23,21		
Denmark	1971	39	15,96	22,85		73,41463415		1	22,85		
Denmark	1972	39	14,91	22,54		73,43902439		1	22,54		

<i>Country name</i>	<i>Year</i>	<i>ID</i>	<i>Under-5 mortality</i>	<i>Shadow economy</i>	<i>School Enrolment</i>	<i>Life expectancy</i>	<i>HIV Prevalence</i>	<i>Level of development</i>	<i>Interaction term</i>	<i>Education Expenditure</i>	<i>Health Expenditure</i>
<i>cname</i>	<i>Year</i>	<i>id</i>	<i>Mortal</i>	<i>Sh_ec</i>	<i>Ed</i>	<i>L_e</i>	<i>HIV</i>	<i>Lev_of_dev</i>	<i>Inter_SE_LD</i>	<i>C_Exp_ed</i>	<i>C_exp_hl</i>
Denmark	1973	39	13,76	22,24		73,68219512		1	22,24		
Denmark	1974	39	12,93	21,87		73,80829268		1	21,87		
Denmark	1975	39	12,49	21,59		74,07512195		1	21,59	6,80688	
Denmark	1976	39	11,72	21,51		73,7397561		1	21,51		
Denmark	1977	39	10,84	21,33		74,63243902		1	21,33	5,7149	
Denmark	1978	39	10,55	21,17		74,39292683		1	21,17	5,78586	
Denmark	1979	39	10,47	21,08		74,21926829		1	21,08	5,66593	
Denmark	1980	39	10,14	20,94		74,10170732		1	20,94	6,0637	
Denmark	1981	39	9,75	20,84	95,55274	74,2304878		1	20,84		
Denmark	1982	39	9,65	20,91	96,36744	74,55121951		1	20,91		
Denmark	1983	39	9,64	20,92	98,06969	74,4204878		1	20,92		
Denmark	1984	39	9,73	20,89	99,03372	74,56219512		1	20,89		
Denmark	1985	39	9,95	20,79	98,84617	74,42756098		1	20,79		
Denmark	1986	39	10,04	20,7	98,75062	74,5797561		1	20,7	6,08778	
Denmark	1987	39	9,94	20,39	98,92317	74,69121951		1	20,39	6,31051	
Denmark	1988	39	9,48	20,21	99,03583	74,77170732		1	20,21	6,59978	
Denmark	1989	39	9,18	20,04	97,85651	74,7997561		1	20,04	6,10656	
Denmark	1990	39	8,7	19,89	97,74097	74,80536585	0,1	1	19,89		
Denmark	1991	39	8,16	19,73	98,30641	75,15780488	0,1	1	19,73	5,85606	
Denmark	1992	39	7,52	19,62	97,47507	75,19414634	0,1	1	19,62		
Denmark	1993	39	6,89	19,46	96,99962	75,11682927	0,1	1	19,46	8,04232	
Denmark	1994	39	6,63	19,29	98,72784	75,37512195	0,1	1	19,29	7,70965	
Denmark	1995	39	6,42	19,21	98,32017	75,21268293	0,1	1	19,21	7,67728	8,125290871
Denmark	1996	39	6,34	19,04	98,1969	75,59146341	0,1	1	19,04	8,12535	8,211499214
Denmark	1997	39	6,13	18,92		75,94512195	0,1	1	18,92		8,150911331
Denmark	1998	39	5,89	18,66	98,71556	76,13902439	0,1	1	18,66	8,357	8,156133652
Denmark	1999	39	5,73	18,41	97,94551	76,34146341	0,1	1	18,41	8,18347	8,953639984
Denmark	2000	39	5,79	18,21	97,44776	76,59268293	0,1	1	18,21	8,46924	8,699090004
Denmark	2001	39	5,7	17,96	99,83136	76,79268293	0,1	1	17,96	8,55704	9,100179672
Denmark	2002	39	5,49	17,75	99,87061	76,89512195	0,1	1	17,75	8,53846	9,33288765
Denmark	2003	39	5,31	17,57		77,14390244	0,1	1	17,57	8,38232	9,509391785
Denmark	2004	39	5,14	17,46	97,82895	77,49268293	0,2	1	17,46	8,39199	9,674869537
Denmark	2005	39	4,9	17,31	95,74394	77,84390244	0,2	1	17,31	8,18454	9,769960403
Denmark	2006	39	4,6	17,15	96,04735	78,09512195	0,2	1	17,15	7,82366	9,924316406
Denmark	2007	39	4,5	16,9	96,59795	78,19512195	0,2	1	16,9	7,72823	9,987294197
Denmark	2008	39	4,36	16,7	95,96239	78,44634146	0,2	1	16,7	7,56245	10,18303013
Estonia	1970	40				69,93660976		1	0		
Estonia	1971	40				69,90534146		1	0		
Estonia	1972	40				69,83331707		1	0		
Estonia	1973	40				69,72507317		1	0		

<i>Country name</i>	<i>Year</i>	<i>ID</i>	<i>Under-5 mortality</i>	<i>Shadow economy</i>	<i>School Enrolment</i>	<i>Life expectancy</i>	<i>HIV Prevalence</i>	<i>Level of development</i>	<i>Interaction term</i>	<i>Education Expenditure</i>	<i>Health Expenditure</i>
<i>cname</i>	<i>Year</i>	<i>id</i>	<i>Mortal</i>	<i>Sh_ec</i>	<i>Ed</i>	<i>L_e</i>	<i>HIV</i>	<i>Lev_of_dev</i>	<i>Inter_SE_LD</i>	<i>C_Exp_ed</i>	<i>C_exp_hl</i>
Estonia	1974	40				69,59117073		1	0		
Estonia	1975	40				69,4437561		1	0		
Estonia	1976	40				69,29243902		1	0		
Estonia	1977	40				69,15136585		1	0		
Estonia	1978	40				69,03219512		1	0		
Estonia	1979	40				68,946		1	0		
Estonia	1980	40				68,91407317		1	0		
Estonia	1981	40				68,97804878		1	0		
Estonia	1982	40				69,12682927		1	0		
Estonia	1983	40				69,37560976		1	0		
Estonia	1984	40				69,27804878		1	0		
Estonia	1985	40				69,3804878		1	0		
Estonia	1986	40				70,08536585		1	0		
Estonia	1987	40				70,64390244		1	0		
Estonia	1988	40				70,69756098		1	0		
Estonia	1989	40				70,03902439		1	0		
Estonia	1990	40		34,04		69,47560976	0,1	1	34,04		
Estonia	1991	40		33,48		69,37317073	0,1	1	33,48		
Estonia	1992	40	17,68	33,09		68,86341463	0,1	1	33,09		
Estonia	1993	40	17,45	32,85		67,9097561	0,1	1	32,85		
Estonia	1994	40	17,02	32,83		66,5	0,1	1	32,83		
Estonia	1995	40	16,34	32,8	86,86975	67,54390244	0,1	1	32,8	6,09659	6,31814003
Estonia	1996	40	15,38	33	90,60952	69,61219512	0,1	1	33	6,10025	6,573907375
Estonia	1997	40	14,3	33,12		69,8097561	0,2	1	33,12	6,63995	6,188305378
Estonia	1998	40	13,12	32,89	94,29089	69,35853659	0,3	1	32,89	6,39634	5,555358887
Estonia	1999	40	12,01	32,62	95,68005	70,06341463	0,4	1	32,62	6,80612	5,647289276
Estonia	2000	40	10,96	32,63	96,44798	70,41707317	0,5	1	32,63	5,53049	5,270934105
Estonia	2001	40	10,03	32,47	96,72576	70,25853659	0,6	1	32,47	5,46332	4,856230736
Estonia	2002	40	9,21	32,11	96,95833	70,90487805	0,8	1	32,11	5,70141	4,846263885
Estonia	2003	40	8,52	31,9	94,77421	71,31707317	0,9	1	31,9	5,57758	4,91856432
Estonia	2004	40	7,94	31,36	95,13041	71,9097561	1	1	31,36	5,17181	5,112345695
Estonia	2005	40	7,47	30,79	95,05194	72,56829268	1,1	1	30,79	5,07277	5,008236885
Estonia	2006	40	7,11	30,36	94,22226	72,69146341	1,1	1	30,36	5,05027	4,986677647
Estonia	2007	40	6,79	29,5	93,76598	72,81463415	1,2	1	29,5	5,91014	5,101061821
Estonia	2008	40	6,56	28,7	94,48389	73,77073171	1,2	1	28,7		5,964459896
Finland	1970	41	15,94	22,3		70,1795122		1	22,3		
Finland	1971	41	14,9	21,84		70,01756098		1	21,84		
Finland	1972	41	14,16	21,44	81,22575	70,70731707		1	21,44		
Finland	1973	41	13,46	21,2		71,22365854		1	21,2		
Finland	1974	41	14,18	20,96		71,13487805		1	20,96		

<i>Country name</i>	<i>Year</i>	<i>ID</i>	<i>Under-5 mortality</i>	<i>Shadow economy</i>	<i>School Enrolment</i>	<i>Life expectancy</i>	<i>HIV Prevalence</i>	<i>Level of development</i>	<i>Interaction term</i>	<i>Education Expenditure</i>	<i>Health Expenditure</i>
<i>cname</i>	<i>Year</i>	<i>id</i>	<i>Mortal</i>	<i>Sh_ec</i>	<i>Ed</i>	<i>L_e</i>	<i>HIV</i>	<i>Lev_of_dev</i>	<i>Inter_SE_LD</i>	<i>C_Exp_ed</i>	<i>C_exp_hl</i>
Finland	1975	41	13,81	20,51		71,67365854		1	20,51	5,15935	
Finland	1976	41	12,43	20,26		71,81292683		1	20,26	5,36439	
Finland	1977	41	11,13	20,07		72,3502439		1	20,07		
Finland	1978	41	9,45	19,92		72,89707317		1	19,92		
Finland	1979	41	8,52	19,93	97,14142	73,15536585		1	19,93	4,92528	
Finland	1980	41	7,99	19,84		73,44		1	19,84	4,95562	
Finland	1981	41	7,37	19,63		73,74658537		1	19,63	4,99272	
Finland	1982	41	7,19	19,52		74,29804878		1	19,52	4,94723	
Finland	1983	41	7,43	19,36		74,20097561		1	19,36	5,0354	
Finland	1984	41	7,64	19,22		74,51902439		1	19,22	4,87037	
Finland	1985	41	7,47	19,09		74,22292683		1	19,09	5,22362	
Finland	1986	41	7,25	18,94		74,56		1	18,94	5,26665	
Finland	1987	41	7,44	18,79		74,59195122		1	18,79	5,37562	
Finland	1988	41	7,49	18,66		74,57707317		1	18,66	5,22811	
Finland	1989	41	7,36	18,52		74,79219512		1	18,52	5,29407	
Finland	1990	41	7,08	18,2		74,81317073	0,1	1	18,2	5,59587	
Finland	1991	41	6,84	17,92		75,22756098	0,1	1	17,92	6,71251	
Finland	1992	41	6,2	17,82		75,45536585	0,1	1	17,82	6,99924	
Finland	1993	41	5,47	17,85	98,89608	75,70512195	0,1	1	17,85	8,09075	
Finland	1994	41	5,03	17,95	98,78067	76,39560976	0,1	1	17,95	7,35503	
Finland	1995	41	4,69	18,05	98,45692	76,4095122	0,1	1	18,05	7,2261	7,849860668
Finland	1996	41	4,55	18,06	98,50664	76,69341463	0,1	1	18,06	7,25393	8,033125877
Finland	1997	41	4,61	18,08	98,84871	76,87853659	0,1	1	18,08		7,714848995
Finland	1998	41	4,67	18,07	99,5438	77,09073171	0,1	1	18,07		7,350053787
Finland	1999	41	4,63	18,01	99,77919	77,29121951	0,1	1	18,01	6,17054	7,373270512
Finland	2000	41	4,46	17,96	99,69949	77,46585366	0,1	1	17,96	5,93808	7,219047546
Finland	2001	41	4,19	17,84	99,6181	77,96585366	0,1	1	17,84	6,07256	7,425010204
Finland	2002	41	4,01	17,69	99,3975	78,1195122	0,1	1	17,69	6,20918	7,807828426
Finland	2003	41	4,07	17,56	98,66865	78,36829268	0,1	1	17,56	6,48007	8,151195526
Finland	2004	41	4,06	17,43	97,73463	78,71463415	0,1	1	17,43	6,37199	8,209524155
Finland	2005	41	3,84	17,33	97,33035	78,81707317	0,1	1	17,33	6,27395	8,429465294
Finland	2006	41	3,52	17,15	96,77851	79,21463415	0,1	1	17,15	6,12536	8,344824791
Finland	2007	41	3,39	17	97,20667	79,26341463	0,1	1	17	5,89712	8,043013573
Finland	2008	41	3,28	16,79	97,48335	79,56829268	0,1	1	16,79	6,07398	8,306752205
France (1963-)	1970	42	19,24	18,77		71,65853659		1	18,77		
France (1963-)	1971	42	18,6	18,44	97,61372	71,90731707		1	18,44		
France (1963-)	1972	42	17,18	18,17	97,73964	72,10731707		1	18,17		
France (1963-)	1973	42	15,82	17,91	97,96271	72,35609756		1	17,91		
France (1963-)	1974	42	14,59	17,64	98,3838	72,60487805		1	17,64		
France (1963-)	1975	42	14,82	17,34		72,85365854		1	17,34	4,47833	

<i>Country name</i>	<i>Year</i>	<i>ID</i>	<i>Under-5 mortality</i>	<i>Shadow economy</i>	<i>School Enrolment</i>	<i>Life expectancy</i>	<i>HIV Prevalence</i>	<i>Level of development</i>	<i>Interaction term</i>	<i>Education Expenditure</i>	<i>Health Expenditure</i>
<i>cname</i>	<i>Year</i>	<i>id</i>	<i>Mortal</i>	<i>Sh_ec</i>	<i>Ed</i>	<i>L_e</i>	<i>HIV</i>	<i>Lev_of_dev</i>	<i>Inter_SE_LD</i>	<i>C_Exp_ed</i>	<i>C_exp_hl</i>
France (1963-)	1976	42	13,62	17,26	97,80471	73,10243902		1	17,26	4,46803	
France (1963-)	1977	42	13,55	17,2	97,58377	73,35121951		1	17,2	4,47215	
France (1963-)	1978	42	13,41	17,06		73,60243902		1	17,06	4,40458	
France (1963-)	1979	42	13,87	16,89	97,80888	73,85121951		1	16,89	4,34383	
France (1963-)	1980	42	14,68	16,74	96,95571	74,05121951		1	16,74	4,35896	
France (1963-)	1981	42	14,16	16,52	95,53711	74,3		1	16,52	4,79826	
France (1963-)	1982	42	12,88	16,46	94,16765	74,5		1	16,46	4,94597	
France (1963-)	1983	42	11,35	16,39	92,75348	74,8		1	16,39	4,97506	
France (1963-)	1984	42	9,96	16,37		75		1	16,37	4,99849	
France (1963-)	1985	42	9,62	16,33	95,93945	75,3		1	16,33	4,96133	
France (1963-)	1986	42	9,36	16,35	99,9332	75,6		1	16,35	4,794	
France (1963-)	1987	42	9,19	16,34		75,8		1	16,34	4,69677	
France (1963-)	1988	42	9,5	16,3		76,1		1	16,3	4,62598	
France (1963-)	1989	42	9,53	16,25		76,34878049		1	16,25	4,54709	
France (1963-)	1990	42	9,53	16,12		76,6	0,3	1	16,12	4,61357	
France (1963-)	1991	42	9,55	16,07	99,99359	76,84878049	0,3	1	16,07	4,94874	
France (1963-)	1992	42	8,86	15,97	97,25456	77,1	0,3	1	15,97	4,8362	
France (1963-)	1993	42	8,18	15,73	95,14143	77,3	0,3	1	15,73	5,53081	
France (1963-)	1994	42	7,37	15,92	95,10726	77,64878049	0,3	1	15,92	5,73884	
France (1963-)	1995	42	6,51	15,91	96,855	77,75121951	0,3	1	15,91	5,90603	10,35591793
France (1963-)	1996	42	6,27	15,89	98,82708	77,95365854	0,3	1	15,89	5,85234	10,37528038
France (1963-)	1997	42	6,07	15,85	99,12429	78,30487805	0,3	1	15,85		10,25025177
France (1963-)	1998	42	5,77	15,88		78,45609756	0,3	1	15,88	5,77006	10,14604568
France (1963-)	1999	42	5,57	15,83	99,0994	78,60731707	0,3	1	15,83	5,72257	10,15364361
France (1963-)	2000	42	5,42	15,61	99,0115	78,95853659	0,3	1	15,61	5,61212	10,08483696
France (1963-)	2001	42	5,41	15,51	98,51853	79,05853659	0,4	1	15,51	5,51988	10,21133423
France (1963-)	2002	42	4,95	15,4	98,15955	79,26097561	0,4	1	15,4	5,55183	10,56032085
France (1963-)	2003	42	4,82	15,28	97,82779	79,26341463	0,4	1	15,28	5,84336	10,83010483
France (1963-)	2004	42	4,6	15,26	97,3969	80,16341463	0,4	1	15,26	5,74965	10,96949387
France (1963-)	2005	42	4,34	15,18	98,59111	80,11463415	0,4	1	15,18	5,58509	11,01733398
France (1963-)	2006	42	4,41	15,07	98,58037	80,51463415	0,4	1	15,07	5,51052	10,95158482
France (1963-)	2007	42	4,35	14,7	98,60072	80,81463415	0,4	1	14,7	5,51884	10,87544918
France (1963-)	2008	42	4,22	14,63	98,54748	80,86829268	0,4	1	14,63	5,52318	11,02319336
Germany	1970	43		18,57		70,63978049		1	18,57		
Germany	1971	43		18,34		70,74287805		1	18,34		
Germany	1972	43		18,15		70,867		1	18,15		
Germany	1973	43		17,95		71,01668293		1	17,95		
Germany	1974	43		17,74		71,19541463		1	17,74		
Germany	1975	43		17,61		71,40173171		1	17,61		
Germany	1976	43		17,55		71,63414634		1	17,55		

<i>Country name</i>	<i>Year</i>	<i>ID</i>	<i>Under-5 mortality</i>	<i>Shadow economy</i>	<i>School Enrolment</i>	<i>Life expectancy</i>	<i>HIV Prevalence</i>	<i>Level of development</i>	<i>Interaction term</i>	<i>Education Expenditure</i>	<i>Health Expenditure</i>
<i>cname</i>	<i>Year</i>	<i>id</i>	<i>Mortal</i>	<i>Sh_ec</i>	<i>Ed</i>	<i>L_e</i>	<i>HIV</i>	<i>Lev_of_dev</i>	<i>Inter_SE_LD</i>	<i>C_Exp_ed</i>	<i>C_exp_hl</i>
Germany	1977	43		17,45		71,88368293		1	17,45		
Germany	1978	43		17,35		72,14280488		1	17,35		
Germany	1979	43		17,26		72,40853659		1	17,26		
Germany	1980	43		17,11		72,67790244		1	17,11		
Germany	1981	43		16,98		72,95239024		1	16,98		
Germany	1982	43		16,96		73,23097561		1	16,96		
Germany	1983	43		16,96		73,51214634		1	16,96		
Germany	1984	43		16,92		73,79285366		1	16,92		
Germany	1985	43		16,9		74,06453659		1	16,9		
Germany	1986	43		16,87		74,32163415		1	16,87		
Germany	1987	43		16,82		74,55960976		1	16,82		
Germany	1988	43		16,78		74,77895122		1	16,78		
Germany	1989	43		16,72		74,98268293		1	16,72		
Germany	1990	43		16,69		75,17736585	0,1	1	16,69		
Germany	1991	43	8,3	16,58		75,3195122	0,1	1	16,58		
Germany	1992	43	7,6	16,38		75,8195122	0,1	1	16,38		
Germany	1993	43	7,35	16,2		75,87073171	0,1	1	16,2	4,54303	
Germany	1994	43	7,11	16,08		76,27073171	0,1	1	16,08	4,47841	
Germany	1995	43	6,78	15,94		76,42195122	0,1	1	15,94	4,58073	10,11365986
Germany	1996	43	6,49	15,82		76,67317073	0,1	1	15,82	4,63561	10,4202137
Germany	1997	43	6,3	15,75		77,07317073	0,1	1	15,75		10,26680946
Germany	1998	43	5,79	15,69		77,47560976	0,1	1	15,69	4,63848	10,29407597
Germany	1999	43	5,41	15,55	99,98342	77,72682927	0,1	1	15,55		10,36201382
Germany	2000	43	5,15	15,44	99,19325	77,92682927	0,1	1	15,44		10,39516449
Germany	2001	43	5,01	15,34	98,40961	78,32926829	0,1	1	15,34		10,50421047
Germany	2002	43	4,89	15,27	96,47356	78,22926829	0,1	1	15,27		10,72432232
Germany	2003	43	4,91	15,24	96,07044	78,3804878	0,1	1	15,24		10,91911507
Germany	2004	43	4,89	15,26	96,84538	78,6804878	0,1	1	15,26		10,66885281
Germany	2005	43	4,73	15,31	97,50925	78,93170732	0,1	1	15,31		10,80893707
Germany	2006	43	4,63	15,33	98,26538	79,13170732	0,1	1	15,33	4,33769	10,63740826
Germany	2007	43	4,72	15,3	98,20438	79,53414634	0,1	1	15,3	4,41845	10,47708416
Germany	2008	43	4,57	15,23	97,60387	79,73658537	0,1	1	15,23	4,51369	10,70417976
Greece	1970	44	28,66	35,5		70,90363415		1	35,5		
Greece	1971	44	26,44	34,41	97,3156	71,22656098		1	34,41		
Greece	1972	44	27,75	33,28	97,44944	71,535		1	33,28		
Greece	1973	44	27,12	32,21	97,82745	71,81485366		1	32,21		
Greece	1974	44	29,4	30,94	98,38521	72,06463415		1	30,94		
Greece	1975	44	30,01	30,38	97,57758	72,29370732		1	30,38	1,49566	
Greece	1976	44	28,66	29,97	96,8515	72,51956098		1	29,97	1,47829	
Greece	1977	44	24,81	29,48	95,77313	72,76165854		1	29,48	1,52324	

<i>Country name</i>	<i>Year</i>	<i>ID</i>	<i>Under-5 mortality</i>	<i>Shadow economy</i>	<i>School Enrolment</i>	<i>Life expectancy</i>	<i>HIV Prevalence</i>	<i>Level of development</i>	<i>Interaction term</i>	<i>Education Expenditure</i>	<i>Health Expenditure</i>
<i>cname</i>	<i>Year</i>	<i>id</i>	<i>Mortal</i>	<i>Sh_ec</i>	<i>Ed</i>	<i>L_e</i>	<i>HIV</i>	<i>Lev_of_dev</i>	<i>Inter_SE_LD</i>	<i>C_Exp_ed</i>	<i>C_exp_hl</i>
Greece	1978	44	22,3	29,19	95,01967	73,03107317		1	29,19	1,72707	
Greece	1979	44	20,54	28,89	94,48801	73,32936585		1	28,89		
Greece	1980	44	18,97	28,78	93,72027	73,64714634		1	28,78		
Greece	1981	44	16,56	28,86	96,4404	73,9694878		1	28,86	1,73281	
Greece	1982	44	15,18	28,81	97,60969	74,27802439		1	28,81	1,72352	
Greece	1983	44	14,74	28,89	99,15228	74,56487805		1	28,89	1,7323	
Greece	1984	44	14,24	28,92	99,51563	74,82717073		1	28,92	1,87631	
Greece	1985	44	13,74	28,97	99,69197	75,07656098		1	28,97		
Greece	1986	44	12,68	28,93	99,02636	75,33021951		1	28,93	1,91686	
Greece	1987	44	12,71	28,78	96,18306	75,60263415		1	28,78	1,90641	
Greece	1988	44	12,23	29,02	96,32814	75,90065854		1	29,02	1,94698	
Greece	1989	44	11,57	28,98	95,16766	76,68780488		1	28,98	2,09609	
Greece	1990	44	11,16	29	94,58211	76,93902439	0,1	1	29	2,10064	
Greece	1991	44	10,75	28,85	94,56892	77,13658537	0,1	1	28,85	1,97772	
Greece	1992	44	11,22	28,84	93,12742	77,38292683	0,1	1	28,84		
Greece	1993	44	10,88	28,85	91,25087	77,3902439	0,1	1	28,85		
Greece	1994	44	9,72	28,92	90,26856	77,63902439	0,1	1	28,92		
Greece	1995	44	9	28,94	90,8384	77,58536585	0,1	1	28,94		8,58910656
Greece	1996	44	8,33	28,97	89,1955	77,68536585	0,1	1	28,97		8,554131508
Greece	1997	44	7,87	28,82	89,17406	78,13658537	0,1	1	28,82		8,438159943
Greece	1998	44	7,75	28,94	92,07743	77,83902439	0,1	1	28,94	3,01993	8,370045662
Greece	1999	44	7,33	28,79	92,93909	77,98780488	0,1	1	28,79	3,21223	8,617156982
Greece	2000	44	6,94	28,5	93,97387	77,88780488	0,1	1	28,5	3,36532	7,879267693
Greece	2001	44	6,68	28,13	93,60867	78,38780488	0,1	1	28,13	3,50258	8,803668022
Greece	2002	44	6,4	27,9	95,98969	78,64146341	0,1	1	27,9	3,59278	9,098786354
Greece	2003	44	5,77	27,72	97,98742	78,84146341	0,2	1	27,72	3,60757	8,931647301
Greece	2004	44	5,58	27,39	99,37085	79,03902439	0,2	1	27,39	3,89241	8,681045532
Greece	2005	44	5,33	26,92	99,74871	79,23902439	0,2	1	26,92	4,15152	9,66176033
Greece	2006	44	5,08	26,76	99,51109	79,43902439	0,2	1	26,76		9,748718262
Greece	2007	44	4,51	26,5	99,36499	79,43902439	0,2	1	26,5		9,810445786
Greece	2008	44	4,09	26,16		79,93902439	0,2	1	26,16		10,12675285
Ireland	1970	45	23,4	23,44		70,99621951		1	23,44		
Ireland	1971	45	22,35	23,07	93,2653	71,08136585		1	23,07		
Ireland	1972	45	21,64	22,57	92,82277	71,17458537		1	22,57		
Ireland	1973	45	20,82	22,12	93,13383	71,28087805		1	22,12		
Ireland	1974	45	19,87	21,61	91,98364	71,40329268		1	21,61		
Ireland	1975	45	18,74	21,29	91,60097	71,54629268		1	21,29		
Ireland	1976	45	17,32	21,05	91,45926	71,71287805		1	21,05	4,25483	
Ireland	1977	45	17,27	20,88	91,3976	71,90004878		1	20,88	5,09386	
Ireland	1978	45	17,21	20,53	91,60928	72,1047561		1	20,53	5,1537	

<i>Country name</i>	<i>Year</i>	<i>ID</i>	<i>Under-5 mortality</i>	<i>Shadow economy</i>	<i>School Enrolment</i>	<i>Life expectancy</i>	<i>HIV Prevalence</i>	<i>Level of development</i>	<i>Interaction term</i>	<i>Education Expenditure</i>	<i>Health Expenditure</i>
<i>cname</i>	<i>Year</i>	<i>id</i>	<i>Mortal</i>	<i>Sh_ec</i>	<i>Ed</i>	<i>L_e</i>	<i>HIV</i>	<i>Lev_of_dev</i>	<i>Inter_SE_LD</i>	<i>C_Exp_ed</i>	<i>C_exp_hl</i>
Ireland	1979	45	16,26	20,26	91,51275	72,32302439		1	20,26	5,38897	
Ireland	1980	45	14,94	19,77	91,31198	72,54936585		1	19,77	5,43786	
Ireland	1981	45	13,68	19,62	90,66159	72,77778049		1	19,62	5,89437	
Ireland	1982	45	12,84	19,33	89,85776	73,00378049		1	19,33	5,69046	
Ireland	1983	45	11,55	19,11	89,12227	73,22239024		1	19,11	5,81806	
Ireland	1984	45	10,36	18,94		73,43458537		1	18,94	5,76596	
Ireland	1985	45	9,64	18,81		73,64090244		1	18,81	5,79794	
Ireland	1986	45	9,34	18,71	88,66659	73,84880488		1	18,71	5,81181	
Ireland	1987	45	9,3	18,68	89,48134	74,06331707		1	18,68	6,04701	
Ireland	1988	45	9,68	18,65	90,49611	74,28643902		1	18,65	5,55333	
Ireland	1989	45	9,83	18,58	91,02063	74,51560976		1	18,58	5,28027	
Ireland	1990	45	9,86	18,53	91,50249	74,74131707	0,1	1	18,53	5,09776	
Ireland	1991	45	9,36	18,36	91,16375	74,95053659	0,1	1	18,36	5,27786	
Ireland	1992	45	8,45	18,25	90,49314	75,1362439	0,1	1	18,25	5,59495	
Ireland	1993	45	7,79	18,27	90,02808	75,29643902	0,1	1	18,27	5,69266	
Ireland	1994	45	7,41	18,29	89,65004	75,43763415	0,1	1	18,29	5,74766	
Ireland	1995	45	7,38	18,26	89,18847	75,57134146	0,1	1	18,26	5,48844	6,562936306
Ireland	1996	45	7,38	18,15	89,03624	75,78536585	0,1	1	18,15	5,34705	6,489658356
Ireland	1997	45	7,48	17,92	89,9698	75,9697561	0,2	1	17,92		6,307754993
Ireland	1998	45	7,42	17,73	94,5698	76,19536585	0,2	1	17,73	4,94112	6,143498898
Ireland	1999	45	7,46	17,45	94,75626	76,07365854	0,2	1	17,45	4,91098	6,056282043
Ireland	2000	45	7,37	17,11	94,62081	76,54073171	0,2	1	17,11	4,91108	6,09503603
Ireland	2001	45	7,25	16,74	93,93224	77,1397561	0,2	1	16,74	5,01255	6,729693413
Ireland	2002	45	6,77	16,46	94,89484	77,63658537	0,2	1	16,46	5,13577	7,030243397
Ireland	2003	45	6,26	16,2	94,84546	77,91756098	0,2	1	16,2	5,07855	7,278413296
Ireland	2004	45	5,6	15,98	94,76649	78,19853659	0,3	1	15,98	5,43955	7,532243252
Ireland	2005	45	4,96	15,85	94,81178	78,4795122	0,3	1	15,85	5,47436	7,571896076
Ireland	2006	45	4,49	15,63	95,21309	78,7604878	0,3	1	15,63	5,39827	7,51480341
Ireland	2007	45	4,37	15,4	95,36682	79,04146341	0,3	1	15,4	5,68627	7,902328014
Ireland	2008	45	4,42	15,12	95,16936	79,14146341	0,3	1	15,12	6,60124	9,059064865
Israel	1970	46	27,19	28,45		71,21341463		1	28,45		
Israel	1971	46	25,97	28,01		71,71902439		1	28,01		
Israel	1972	46	25,75	27,41		71,07804878		1	27,41		
Israel	1973	46	26,49	26,38		71,69341463		1	26,38		
Israel	1974	46	27,19	25,72		71,66170732		1	25,72		
Israel	1975	46	26,88	25,16		72,04512195		1	25,16	7,26894	
Israel	1976	46	24,44	24,75		72,95609756		1	24,75	7,26944	
Israel	1977	46	21,91	24,6		72,95853659		1	24,6	7,43939	
Israel	1978	46	20,86	24,43		73,20731707		1	24,43	8,19588	
Israel	1979	46	20,1	24,44		73,50731707		1	24,44	8,3308	

<i>Country name</i>	<i>Year</i>	<i>ID</i>	<i>Under-5 mortality</i>	<i>Shadow economy</i>	<i>School Enrolment</i>	<i>Life expectancy</i>	<i>HIV Prevalence</i>	<i>Level of development</i>	<i>Interaction term</i>	<i>Education Expenditure</i>	<i>Health Expenditure</i>
<i>cname</i>	<i>Year</i>	<i>id</i>	<i>Mortal</i>	<i>Sh_ec</i>	<i>Ed</i>	<i>L_e</i>	<i>HIV</i>	<i>Lev_of_dev</i>	<i>Inter_SE_LD</i>	<i>C_Exp_ed</i>	<i>C_exp_hl</i>
Israel	1980	46	18,97	24,15		73,87560976		1	24,15	8,9956	
Israel	1981	46	18,37	24,06		74,26097561		1	24,06	8,10693	
Israel	1982	46	17,62	24,1		74,1097561		1	24,1	7,50826	
Israel	1983	46	17,64	24,03		74,45853659		1	24,03	8,19795	
Israel	1984	46	16,39	23,85		74,80731707		1	23,85	8,18644	
Israel	1985	46	14,9	23,71		75,20731707		1	23,71	9,38735	
Israel	1986	46	13,99	23,91		74,95609756		1	23,91	7,27359	
Israel	1987	46	13,28	23,78		75,25853659		1	23,78	6,57284	
Israel	1988	46	12,44	23,84		74,43658537		1	23,84	5,28055	
Israel	1989	46	12,13	23,9		76,30731707		1	23,9	6,55482	
Israel	1990	46	12,06	23,89		76,60731707	0,1	1	23,89	6,24377	
Israel	1991	46	11,7	23,92		76,75853659	0,1	1	23,92	6,32267	
Israel	1992	46	11,49	23,59		76,50487805	0,1	1	23,59	6,54391	
Israel	1993	46	10,52	23,29		77,15365854	0,1	1	23,29	6,97458	
Israel	1994	46	9,63	23,05		77,40243902	0,1	1	23,05	7,55635	
Israel	1995	46	9,01	22,75		77,45121951	0,1	1	22,75		7,386773109
Israel	1996	46	8,62	22,37		78,10487805	0,1	1	22,37		7,481209755
Israel	1997	46	8,33	21,94		78	0,1	1	21,94		7,733175278
Israel	1998	46	7,78	21,65		78,14878049	0,2	1	21,65	7,66382	7,593564034
Israel	1999	46	7,35	21,45	97,49777	78,65853659	0,2	1	21,45	7,50974	7,320590019
Israel	2000	46	6,93	21,27	97,77519	78,95365854	0,2	1	21,27	7,1035	7,379995823
Israel	2001	46	6,67	21,01	98,24126	79,40731707	0,2	1	21,01	7,14079	7,910948753
Israel	2002	46	6,69	20,77	97,8978	79,45121951	0,2	1	20,77	7,22421	7,787855625
Israel	2003	46	6,5	20,73	98,02001	79,64878049	0,2	1	20,73	7,08442	7,724034786
Israel	2004	46	6,14	20,78	97,60092	80,14634146	0,2	1	20,78	6,51779	7,617904186
Israel	2005	46	5,86	20,79	97,47109	80,15121951	0,2	1	20,79	6,19274	7,698193073
Israel	2006	46	5,65	20,74	97,00253	85,16341463	0,2	1	20,74	6,13187	7,43721056
Israel	2007	46	5,39	20,7	97,23733	85,11463415	0,2	1	20,7	5,9005	7,499040127
Israel	2008	46	5,14	20,68	97,20606	80,95121951	0,2	1	20,68	6,05516	7,564516544
Italy	1970	47	34,35	36,57		71,55878049		1	36,57		
Italy	1971	47	33,17	35,86		71,80682927		1	35,86		
Italy	1972	47	30,71	35,32		72,07536585		1	35,32		
Italy	1973	47	29,09	34,97	99,48825	72,02634146		1	34,97		
Italy	1974	47	25,43	34,44		72,73439024		1	34,44		
Italy	1975	47	23,01	33,75		72,64731707		1	33,75	3,86002	
Italy	1976	47	20,94	33,63	97,75538	72,99195122		1	33,63	4,07928	
Italy	1977	47	19,52	33,29		73,36463415		1	33,29		
Italy	1978	47	18,81	33,02		73,69317073		1	33,02	3,92883	
Italy	1979	47	17,81	32,88	98,44037	74,00268293		1	32,88	4,31586	
Italy	1980	47	17	32,66		73,94317073		1	32,66		

<i>Country name</i>	<i>Year</i>	<i>ID</i>	<i>Under-5 mortality</i>	<i>Shadow economy</i>	<i>School Enrolment</i>	<i>Life expectancy</i>	<i>HIV Prevalence</i>	<i>Level of development</i>	<i>Interaction term</i>	<i>Education Expenditure</i>	<i>Health Expenditure</i>
<i>cname</i>	<i>Year</i>	<i>id</i>	<i>Mortal</i>	<i>Sh_ec</i>	<i>Ed</i>	<i>L_e</i>	<i>HIV</i>	<i>Lev_of_dev</i>	<i>Inter_SE_LD</i>	<i>C_Exp_ed</i>	<i>C_exp_hl</i>
Italy	1981	47	16,36	32,25		74,35390244		1	32,25		
Italy	1982	47	15,48	31,98		74,81463415		1	31,98		
Italy	1983	47	14,63	31,8		74,6402439		1	31,8	4,68286	
Italy	1984	47	13,3	31,73		75,3895122		1	31,73	4,98272	
Italy	1985	47	12,41	31,54	97,50233	75,49536585		1	31,54	4,90044	
Italy	1986	47	11,54	31,38		75,81073171		1	31,38	4,87732	
Italy	1987	47	11,28	31,17		76,22512195		1	31,17		
Italy	1988	47	11,11	30,93		76,40560976		1	30,93	4,80038	
Italy	1989	47	10,37	30,63		76,80487805		1	30,63		
Italy	1990	47	9,99	30,39		76,85902439	0,4	1	30,39		
Italy	1991	47	10	30,07		76,87804878	0,4	1	30,07		
Italy	1992	47	9,85	29,72		77,23780488	0,4	1	29,72		
Italy	1993	47	9,05	29,21		77,51	0,4	1	29,21	5,00531	
Italy	1994	47	8,32	29,08		77,7497561	0,4	1	29,08	4,6941	
Italy	1995	47	8,05	28,98	98,73512	78,01439024	0,4	1	28,98	4,55702	7,057650566
Italy	1996	47	7,79	28,8	99,56356	78,33195122	0,4	1	28,8	4,67471	7,155076504
Italy	1997	47	7,55	28,67	99,86732	78,62853659	0,4	1	28,67		7,432257652
Italy	1998	47	7,1	28,54		78,42682927	0,4	1	28,54	4,65794	7,491616249
Italy	1999	47	6,86	28,38	98,82159	78,82682927	0,4	1	28,38	4,69766	7,571705818
Italy	2000	47	6,37	28,19	98,51978	79,42682927	0,4	1	28,19	4,4798	7,87445879
Italy	2001	47	6,26	27,96	98,74882	79,82926829	0,4	1	27,96	4,86211	8,061794281
Italy	2002	47	5,73	27,75	98,68783	79,97804878	0,4	1	27,75	4,62855	8,191121101
Italy	2003	47	4,64	27,53	98,54598	79,93170732	0,4	1	27,53	4,75374	8,165815353
Italy	2004	47	4,21	27,36	98,39352	80,72926829	0,4	1	27,36	4,57242	8,501365662
Italy	2005	47	4,01	27,13	98,58525	80,5804878	0,4	1	27,13	4,40597	8,743720055
Italy	2006	47	3,98	27	98,66357	81,13170732	0,4	1	27	4,69211	8,840068817
Italy	2007	47	3,86	26,8	98,67512	81,28536585	0,4	1	26,8	4,26758	8,501421928
Italy	2008	47	3,7	26,65	98,43583	81,38536585	0,4	1	26,65	4,61254	8,891505241
Japan	1970	48	17,84	16,77		71,9502439		1	16,77		
Japan	1971	48	16,79	16,03	99,91434	72,88292683		1	16,03		
Japan	1972	48	15,72	15,44	99,48954	73,50658537		1	15,44		
Japan	1973	48	15,13	14,98	98,91297	73,75756098		1	14,98		
Japan	1974	48	13,76	14,44	97,38533	74,39390244		1	14,44		
Japan	1975	48	12,36	14,03	98,74014	75,05731707		1	14,03	4,75306	
Japan	1976	48	11,56	13,78	99,90365	75,45682927		1	13,78	4,93432	
Japan	1977	48	11,41	13,55	99,89081	75,89829268		1	13,55	4,92298	
Japan	1978	48	11,52	13,35	99,91211	76,03829268		1	13,35	4,97584	
Japan	1979	48	11,64	13,15	99,94605	76,33756098		1	13,15	5,13727	
Japan	1980	48	11,55	12,93	99,93558	76,09170732		1	12,93	5,14404	
Japan	1981	48	10,82	12,74	99,95601	76,41439024		1	12,74	5,14777	

<i>Country name</i>	<i>Year</i>	<i>ID</i>	<i>Under-5 mortality</i>	<i>Shadow economy</i>	<i>School Enrolment</i>	<i>Life expectancy</i>	<i>HIV Prevalence</i>	<i>Level of development</i>	<i>Interaction term</i>	<i>Education Expenditure</i>	<i>Health Expenditure</i>
<i>cname</i>	<i>Year</i>	<i>id</i>	<i>Mortal</i>	<i>Sh_ec</i>	<i>Ed</i>	<i>L_e</i>	<i>HIV</i>	<i>Lev_of_dev</i>	<i>Inter_SE_LD</i>	<i>C_Exp_ed</i>	<i>C_exp_hl</i>
Japan	1982	48	9,74	12,58	99,8165	76,92292683		1	12,58	5,12517	
Japan	1983	48	8,82	12,46	99,37689	76,96146341		1	12,46	4,89546	
Japan	1984	48	8,19	12,35	99,52191	77,36536585		1	12,35		
Japan	1985	48	7,34	12,26	99,91525	77,6504878		1	12,26		
Japan	1986	48	6,97	12,14	99,9116	78,06463415		1	12,14		
Japan	1987	48	6,74	12,02	99,92186	78,48365854		1	12,02	5,6494	
Japan	1988	48	6,69	11,91	99,93737	78,39926829		1	11,91	5,62719	
Japan	1989	48	6,52	11,76	99,96401	78,81804878		1	11,76	5,43221	
Japan	1990	48	6,61	11,6	99,9699	78,83682927	0,1	1	11,6		
Japan	1991	48	6,48	11,43	99,9649	79,10073171	0,1	1	11,43		
Japan	1992	48	6,57	11,26	99,96924	79,15390244	0,1	1	11,26		
Japan	1993	48	6,32	11,11		79,29365854	0,1	1	11,11	3,448	
Japan	1994	48	6,21	11	99,95881	79,68707317	0,1	1	11	3,63426	
Japan	1995	48	5,87	10,9	99,95917	79,53634146	0,1	1	10,9	3,47681	6,80689621
Japan	1996	48	5,31	10,82		80,2002439	0,1	1	10,82		6,9535923
Japan	1997	48	5,11	10,74		80,42414634	0,1	1	10,74		6,890688896
Japan	1998	48	5,06	10,64	99,99206	80,50146341	0,1	1	10,64	3,37876	7,176575184
Japan	1999	48	4,68	10,57	99,99864	80,57073171	0,1	1	10,57	3,48646	7,4406991
Japan	2000	48	4,43	10,53	99,97021	81,07609756	0,1	1	10,53	3,5696	7,603417397
Japan	2001	48	4,2	10,47	99,97465	81,41707317	0,1	1	10,47	3,51955	7,806082726
Japan	2002	48	4,08	10,41	99,97513	81,56341463	0,1	1	10,41	3,52654	7,857463837
Japan	2003	48	3,94	10,39	99,99562	81,76	0,1	1	10,39	3,58481	7,988079071
Japan	2004	48	3,82	10,37	99,96565	82,0302439	0,1	1	10,37	3,53996	7,994724751
Japan	2005	48	3,71	10,35	99,99859	81,92512195	0,1	1	10,35	3,42018	8,181919098
Japan	2006	48	3,63	10,33	99,97621	82,32195122	0,1	1	10,33	3,38384	8,198613167
Japan	2007	48	3,59	10,3	99,99917	82,50707317	0,1	1	10,3	3,36755	8,229485512
Japan	2008	48	3,57	10,26	99,98512	82,58756098	0,1	1	10,26	3,32776	8,605047226
Korea, South	1970	49	56,52	62,03		61,20726829		1	62,03		
Korea, South	1971	49	54,04	60,56	96,51552	62,44365854		1	60,56		
Korea, South	1972	49	51,1	59,1	98,18911	62,83658537		1	59,1		
Korea, South	1973	49	47,17	58,46	97,22048	63,2295122		1	58,46		
Korea, South	1974	49	42,26	57,15	96,48501	63,59268293		1	57,15		
Korea, South	1975	49	36,83	54,94	96,41001	63,95585366		1	54,94		
Korea, South	1976	49	31,67	53,95	97,46597	64,30170732		1	53,95		
Korea, South	1977	49	27,15	52,5	96,6989	64,64756098		1	52,5		
Korea, South	1978	49	23,42	50,84	97,16712	64,97109756		1	50,84		
Korea, South	1979	49	20,68	48,58	98,90549	65,29463415		1	48,58		
Korea, South	1980	49	18,69	46,08	99,87273	65,80195122		1	46,08		
Korea, South	1981	49	17,18	44,88	99,94383	66,30926829		1	44,88		
Korea, South	1982	49	15,95	44,02	99,85909	66,77426829		1	44,02		

<i>Country name</i>	<i>Year</i>	<i>ID</i>	<i>Under-5 mortality</i>	<i>Shadow economy</i>	<i>School Enrolment</i>	<i>Life expectancy</i>	<i>HIV Prevalence</i>	<i>Level of development</i>	<i>Interaction term</i>	<i>Education Expenditure</i>	<i>Health Expenditure</i>
<i>cname</i>	<i>Year</i>	<i>id</i>	<i>Mortal</i>	<i>Sh_ec</i>	<i>Ed</i>	<i>L_e</i>	<i>HIV</i>	<i>Lev_of_dev</i>	<i>Inter_SE_LD</i>	<i>C_Exp_ed</i>	<i>C_exp_hl</i>
Korea, South	1983	49	15,04	43,06	99,81415	67,23926829		1	43,06		
Korea, South	1984	49	14,23	41,89	99,19891	67,88609756		1	41,89		
Korea, South	1985	49	13,57	40,95	98,51327	68,53292683		1	40,95		
Korea, South	1986	49	13,02	40,12	98,51292	69,17109756		1	40,12		
Korea, South	1987	49	12,46	39,43	99,60776	69,80926829		1	39,43		
Korea, South	1988	49	12,02	38,43	99,5871	70,33439024		1	38,43		
Korea, South	1989	49	11,64	37,45	99,49151	70,8595122		1	37,45		
Korea, South	1990	49	11,3	36,34	99,37553	71,29487805	0,1	1	36,34		
Korea, South	1991	49	10,92	35,18	99,39934	71,7302439	0,1	1	35,18		
Korea, South	1992	49	10,54	33,84	99,33753	72,20609756	0,1	1	33,84		
Korea, South	1993	49	10,26	32,8	99,24978	72,68195122	0,1	1	32,8		
Korea, South	1994	49	9,99	32,04	99,08352	73,03817073	0,1	1	32,04		
Korea, South	1995	49	9,76	31,15	98,79821	73,39439024	0,1	1	31,15		
Korea, South	1996	49	9,65	30,28	98,80492	73,82109756	0,1	1	30,28		
Korea, South	1997	49	9,54	29,36	98,94835	74,24780488	0,1	1	29,36		
Korea, South	1998	49	9,44	28,42	98,52429	74,81060976	0,1	1	28,42		
Korea, South	1999	49	9,37	28,35	99,19348	75,37341463	0,1	1	28,35		
Korea, South	2000	49	9,32	28,09	99,58617	75,8554878	0,1	1	28,09		
Korea, South	2001	49	9,2	27,64	99,48478	76,33756098	0,1	1	27,64		
Korea, South	2002	49	8,94	27,33	99,21803	76,82390244	0,1	1	27,33		
Korea, South	2003	49	8,64	26,89	99,57069	77,2602439	0,1	1	26,89		
Korea, South	2004	49	8,21	26,57	99,19153	77,84658537	0,1	1	26,57		
Korea, South	2005	49	7,73	26,25	99,07675	78,43268293	0,1	1	26,25		
Korea, South	2006	49	7,22	25,92	99,10377	78,96926829	0,1	1	25,92		
Korea, South	2007	49	6,68	25,6	99,15316	79,3495122	0,1	1	25,6		
Korea, South	2008	49	6,16	25,26	99,17584	79,83268293	0,1	1	25,26		
Luxembourg	1970	50	23,31	11,91		69,98346341		1	11,91		
Luxembourg	1971	50	22,17	11,86		70,08143902		1	11,86		
Luxembourg	1972	50	20,63	11,79	91,13706	70,20482927		1	11,79		
Luxembourg	1973	50	19,29	11,71	89,97007	70,35768293		1	11,71		
Luxembourg	1974	50	18,16	11,61	92,19039	70,54207317		1	11,61		
Luxembourg	1975	50	17,12	11,54	91,25173	70,75712195		1	11,54	4,38396	
Luxembourg	1976	50	16,14	11,51	90,8855	70,9985122		1	11,51	4,50957	
Luxembourg	1977	50	15,14	11,47	90,30083	71,25678049		1	11,47	4,5208	
Luxembourg	1978	50	14,45	11,5	89,93117	71,52343902		1	11,5	5,31013	
Luxembourg	1979	50	14,11	11,44		71,79641463		1	11,44	5,38749	
Luxembourg	1980	50	13,89	11,45		72,07504878		1	11,45	5,47438	
Luxembourg	1981	50	13,8	11,41	78,8839	72,36109756		1	11,41	5,42474	
Luxembourg	1982	50	13,42	11,36	84,37323	72,65736585		1	11,36	5,57079	
Luxembourg	1983	50	12,82	11,3	83,11006	72,96278049		1	11,3	3,41993	

<i>Country name</i>	<i>Year</i>	<i>ID</i>	<i>Under-5 mortality</i>	<i>Shadow economy</i>	<i>School Enrolment</i>	<i>Life expectancy</i>	<i>HIV Prevalence</i>	<i>Level of development</i>	<i>Interaction term</i>	<i>Education Expenditure</i>	<i>Health Expenditure</i>
<i>cname</i>	<i>Year</i>	<i>id</i>	<i>Mortal</i>	<i>Sh_ec</i>	<i>Ed</i>	<i>L_e</i>	<i>HIV</i>	<i>Lev_of_dev</i>	<i>Inter_SE_LD</i>	<i>C_Exp_ed</i>	<i>C_exp_hl</i>
Luxembourg	1984	50	12,23	11,29	81,73649	73,27534146		1	11,29		
Luxembourg	1985	50	11,58	11,27		73,58868293		1	11,27		
Luxembourg	1986	50	11,01	11,3	81,78088	73,89656098		1	11,3	4,02146	
Luxembourg	1987	50	10,58	11,25	78,59312	74,19473171		1	11,25	4,28412	
Luxembourg	1988	50	10,06	11,17	84,90384	74,48082927		1	11,17	4,29371	
Luxembourg	1989	50	9,62	11,04		74,75241463		1	11,04	4,18457	
Luxembourg	1990	50	9,14	10,93		75,00992683	0,1	1	10,93		
Luxembourg	1991	50	8,62	10,82		75,46341463	0,1	1	10,82		
Luxembourg	1992	50	8,06	10,64		75,77073171	0,1	1	10,64		
Luxembourg	1993	50	7,47	10,54		75,71219512	0,1	1	10,54		
Luxembourg	1994	50	6,94	10,45		76,37073171	0,1	1	10,45		
Luxembourg	1995	50	6,47	10,36		76,51219512	0,2	1	10,36	3,98571	5,566749096
Luxembourg	1996	50	6,08	10,32		76,5195122	0,2	1	10,32	3,79233	5,652220726
Luxembourg	1997	50	5,79	10,27		76,8804878	0,2	1	10,27		5,594264984
Luxembourg	1998	50	5,55	10,22		77,01707317	0,2	1	10,22		5,667537689
Luxembourg	1999	50	5,32	10,14	96,15324	77,77073171	0,3	1	10,14		5,827122688
Luxembourg	2000	50	5,14	10,05	95,83192	77,87317073	0,3	1	10,05		7,477480412
Luxembourg	2001	50	4,95	9,96	95,97279	77,82439024	0,3	1	9,96	4,21629	7,40182972
Luxembourg	2002	50	4,72	9,84	96,11579	77,96585366	0,3	1	9,84		8,266662598
Luxembourg	2003	50	4,45	9,74	94,95477	77,72682927	0,3	1	9,74		7,66728878
Luxembourg	2004	50	4,16	9,65	95,68756	79,12195122	0,3	1	9,65		8,204554558
Luxembourg	2005	50	3,88	9,57	96,30985	79,43170732	0,3	1	9,57		7,945701122
Luxembourg	2006	50	3,65	9,47	96,52635	79,28780488	0,3	1	9,47		7,749478817
Luxembourg	2007	50	3,46	9,4	96,48968	79,38292683	0,3	1	9,4		6,797913551
Luxembourg	2008	50	3,28	9,13	95,50303	80,53902439	0,3	1	9,13		7,339818001
Netherlands	1970	51	16,41	15,87		73,58560976		1	15,87		
Netherlands	1971	51	15,68	15,58	93,37684	73,8095122		1	15,58		
Netherlands	1972	51	14,97	15,34	92,92944	73,72707317		1	15,34		
Netherlands	1973	51	14,25	15,17	92,4402	74,14390244		1	15,17		
Netherlands	1974	51	13,77	15	91,66884	74,53682927		1	15		
Netherlands	1975	51	13,14	14,86	91,35691	74,49878049		1	14,86	6,82281	
Netherlands	1976	51	12,75	14,77	91,98425	74,64707317		1	14,77	6,71164	
Netherlands	1977	51	11,94	14,67	92,11272	75,22146341		1	14,67	6,55541	
Netherlands	1978	51	11,95	14,57	92,26429	75,14512195		1	14,57	6,6056	
Netherlands	1979	51	11,52	14,49	92,39242	75,60609756		1	14,49	6,49153	
Netherlands	1980	51	11,43	14,49	91,98445	75,74317073		1	14,49	6,30859	
Netherlands	1981	51	11,1	14,5	90,87699	75,93439024		1	14,5	6,20328	
Netherlands	1982	51	10,6	14,5	88,41122	75,98853659		1	14,5	6,14533	
Netherlands	1983	51	10,34	14,47	86,27492	76,16414634		1	14,47	5,90483	
Netherlands	1984	51	10,1	14,46	85,07065	76,23317073		1	14,46	5,44591	

<i>Country name</i>	<i>Year</i>	<i>ID</i>	<i>Under-5 mortality</i>	<i>Shadow economy</i>	<i>School Enrolment</i>	<i>Life expectancy</i>	<i>HIV Prevalence</i>	<i>Level of development</i>	<i>Interaction term</i>	<i>Education Expenditure</i>	<i>Health Expenditure</i>
<i>cname</i>	<i>Year</i>	<i>id</i>	<i>Mortal</i>	<i>Sh_ec</i>	<i>Ed</i>	<i>L_e</i>	<i>HIV</i>	<i>Lev_of_dev</i>	<i>Inter_SE_LD</i>	<i>C_Exp_ed</i>	<i>C_exp_hl</i>
Netherlands	1985	51	9,71	14,41	84,93892	76,28463415		1	14,41	5,93233	
Netherlands	1986	51	9,57	14,35	90,9969	76,2704878		1	14,35	6,02159	
Netherlands	1987	51	9,28	14,52	93,55283	76,70512195		1	14,52	6,31197	
Netherlands	1988	51	8,69	14,5	95,66929	76,8902439		1	14,5	5,87815	
Netherlands	1989	51	8,66	14,43	96,55479	76,73414634		1	14,43		
Netherlands	1990	51	8,92	14,36	96,3981	76,87804878	0,1	1	14,36	5,68696	
Netherlands	1991	51	8,57	14,28	95,46816	77	0,1	1	14,28	5,59007	
Netherlands	1992	51	8,17	14,2	94,31457	77,21707317	0,1	1	14,2		
Netherlands	1993	51	7,91	14,06	93,63048	76,91658537	0,1	1	14,06	5,13487	
Netherlands	1994	51	7,37	14,03	99,1418	77,37512195	0,2	1	14,03	5,00046	
Netherlands	1995	51	7,01	14,02	99,60121	77,40463415	0,2	1	14,02	4,8708	8,327254295
Netherlands	1996	51	6,76	13,97	99,71027	77,43560976	0,2	1	13,97	4,80087	8,211483955
Netherlands	1997	51	6,4	13,9	99,68376	77,79439024	0,2	1	13,9		7,949312687
Netherlands	1998	51	6,43	13,79		77,88292683	0,2	1	13,79	4,99109	8,061765671
Netherlands	1999	51	6,51	13,67	99,24892	77,83658537	0,2	1	13,67	4,84254	8,088184357
Netherlands	2000	51	6,55	13,56	99,28801	77,98780488	0,2	1	13,56	4,85387	7,957938671
Netherlands	2001	51	6,47	13,43	99,27607	78,1902439	0,2	1	13,43	5,02022	8,297392845
Netherlands	2002	51	6,14	13,32	99,26161	78,29268293	0,2	1	13,32	5,13009	8,869896889
Netherlands	2003	51	5,72	13,23	98,39149	78,49268293	0,2	1	13,23	5,35851	9,772836685
Netherlands	2004	51	5,38	13,18	97,75731	79,09512195	0,2	1	13,18	5,31347	9,968325615
Netherlands	2005	51	5,32	13,13	97,79006	79,34634146	0,2	1	13,13	5,45603	10,88198948
Netherlands	2006	51	4,99	13,06	98,45577	79,69756098	0,2	1	13,06	5,31503	10,7468462
Netherlands	2007	51	4,68	13	99,29219	80,09756098	0,2	1	13	5,20542	10,76421833
Netherlands	2008	51	4,53	12,91	99,37009	80,25121951	0,2	1	12,91	5,59381	10,99088287
New Zealand	1970	52	21,52	14,54	99,87325	71,27317073		1	14,54		
New Zealand	1971	52	20,96	14,45	99,67292	71,77317073		1	14,45		
New Zealand	1972	52	19,92	14,35	99,98357	71,82926829		1	14,35		
New Zealand	1973	52	19,04	14,29	99,11088	71,66829268		1	14,29		
New Zealand	1974	52	18,17	14,12	99,23533	71,92439024		1	14,12		
New Zealand	1975	52	17,58	13,81	99,74696	72,2195122		1	13,81	5,29811	
New Zealand	1976	52	16,69	13,76	99,9207	72,42195122		1	13,76	5,64747	
New Zealand	1977	52	16,52	13,68	99,87683	72,16829268		1	13,68	4,65064	
New Zealand	1978	52	16,41	13,64	99,75883	73,0195122		1	13,64	4,75285	
New Zealand	1979	52	16,52	13,69	99,73245	73,06829268		1	13,69	4,65363	
New Zealand	1980	52	16,5	13,66	99,7732	72,82926829		1	13,66	4,41237	
New Zealand	1981	52	16,03	13,69	99,6082	73,62195122		1	13,69	4,64344	
New Zealand	1982	52	15,42	13,66	99,3555	73,72439024		1	13,66	4,77039	
New Zealand	1983	52	14,8	13,59	98,77416	73,77560976		1	13,59		
New Zealand	1984	52	13,92	13,52	99,71739	74,37073171		1	13,52	4,36212	
New Zealand	1985	52	13,21	13,43	99,74759	73,82926829		1	13,43	3,84765	

<i>Country name</i>	<i>Year</i>	<i>ID</i>	<i>Under-5 mortality</i>	<i>Shadow economy</i>	<i>School Enrolment</i>	<i>Life expectancy</i>	<i>HIV Prevalence</i>	<i>Level of development</i>	<i>Interaction term</i>	<i>Education Expenditure</i>	<i>Health Expenditure</i>
<i>cname</i>	<i>Year</i>	<i>id</i>	<i>Mortal</i>	<i>Sh_ec</i>	<i>Ed</i>	<i>L_e</i>	<i>HIV</i>	<i>Lev_of_dev</i>	<i>Inter_SE_LD</i>	<i>C_Exp_ed</i>	<i>C_exp_hl</i>
New Zealand	1986	52	12,98	13,88	99,8857	74,12195122		1	13,88	3,69219	
New Zealand	1987	52	12,61	13,79	99,95143	74,17804878		1	13,79	4,23561	
New Zealand	1988	52	12,55	13,68	99,82864	74,42439024		1	13,68	4,73555	
New Zealand	1989	52	12,04	13,57	99,86713	74,82439024		1	13,57	5,15528	
New Zealand	1990	52	11,14	13,5	99,53917	75,37804878	0,1	1	13,5		
New Zealand	1991	52	10,37	13,41	98,85925	76,03170732	0,1	1	13,41		
New Zealand	1992	52	9,68	13,43	97,4238	76,12439024	0,1	1	13,43		
New Zealand	1993	52	9,27	13,45		76,43414634	0,1	1	13,45		
New Zealand	1994	52	8,98	13,44	97,0361	76,88292683	0,1	1	13,44	6,48466	
New Zealand	1995	52	8,8	13,37	98,40038	76,73414634	0,1	1	13,37	6,2394	7,071457863
New Zealand	1996	52	8,74	13,28	98,87125	76,78780488	0,1	1	13,28	7,02986	7,016276836
New Zealand	1997	52	8,52	13,15	99,75857	77,33414634	0,1	1	13,15	6,66889	7,223124981
New Zealand	1998	52	8,12	13,02	99,35253	78,08536585	0,1	1	13,02		7,652078629
New Zealand	1999	52	7,97	12,93	99,30375	77,8902439	0,1	1	12,93	7,08538	7,532114983
New Zealand	2000	52	7,87	12,81	98,81929	78,63658537	0,1	1	12,81		7,616113663
New Zealand	2001	52	7,56	12,73	97,1491	78,69268293	0,1	1	12,73	7,10189	7,720327377
New Zealand	2002	52	7,3	12,67	96,73924	78,84634146	0,1	1	12,67	6,88638	8,03921032
New Zealand	2003	52	6,94	12,55	97,88732	79,14634146	0,1	1	12,55	6,90175	7,85518837
New Zealand	2004	52	6,7	12,42	98,17717	79,54878049	0,1	1	12,42	6,96604	8,029746056
New Zealand	2005	52	6,42	12,27	98,9042	79,85121951	0,1	1	12,27	6,76909	8,394031525
New Zealand	2006	52	6,28	12,12	98,95467	80,04878049	0,1	1	12,12	6,46446	8,824653625
New Zealand	2007	52	6,27	12	99,29982	80,15121951	0,1	1	12	6,50032	8,476946831
New Zealand	2008	52	6,14	11,85	99,41763	80,35121951	0,1	1	11,85	6,0602	9,305145264
Norway	1970	53	15,75	23,04		74,08804878		1	23,04		
Norway	1971	53	15,2	22,75	97,61583	74,17926829		1	22,75		
Norway	1972	53	14,58	22,66	98,16291	74,34463415		1	22,66		
Norway	1973	53	14,13	22,38		74,44219512		1	22,38		
Norway	1974	53	13,56	22,04		74,75365854		1	22,04		
Norway	1975	53	13,19	21,78		74,81756098		1	21,78	5,67823	
Norway	1976	53	12,56	21,57	99,69157	75,0395122		1	21,57	6,33832	
Norway	1977	53	11,71	21,25	99,63704	75,38682927		1	21,25	6,18625	
Norway	1978	53	11,28	20,95	98,99804	75,41853659		1	20,95	6,7229	
Norway	1979	53	10,95	20,84	98,65693	75,41390244		1	20,84		
Norway	1980	53	10,52	20,69	99,20335	75,67170732		1	20,69	6,03042	
Norway	1981	53	10,22	20,57	98,42826	75,86902439		1	20,57	5,78045	
Norway	1982	53	10,12	20,45	98,19022	76,01097561		1	20,45	5,93926	
Norway	1983	53	9,96	20,31		76,06682927		1	20,31	5,89568	
Norway	1984	53	9,92	20,26	97,4394	76,22439024		1	20,26	5,6628	
Norway	1985	53	9,84	20,15	96,44845	75,91682927		1	20,15	5,44471	
Norway	1986	53	9,76	20,12	96,48672	76,24121951		1	20,12	5,73621	

<i>Country name</i>	<i>Year</i>	<i>ID</i>	<i>Under-5 mortality</i>	<i>Shadow economy</i>	<i>School Enrolment</i>	<i>Life expectancy</i>	<i>HIV Prevalence</i>	<i>Level of development</i>	<i>Interaction term</i>	<i>Education Expenditure</i>	<i>Health Expenditure</i>
<i>cname</i>	<i>Year</i>	<i>id</i>	<i>Mortal</i>	<i>Sh_ec</i>	<i>Ed</i>	<i>L_e</i>	<i>HIV</i>	<i>Lev_of_dev</i>	<i>Inter_SE_LD</i>	<i>C_Exp_ed</i>	<i>C_exp_hl</i>
Norway	1987	53	9,84	19,93	97,09897	76,08170732		1	19,93	5,98376	
Norway	1988	53	9,77	19,75	97,72982	76,2204878		1	19,75	6,12322	
Norway	1989	53	9,43	19,57	98,73718	76,5004878		1	19,57	6,59341	
Norway	1990	53	8,81	19,47	99,79827	76,53731707	0,1	1	19,47	6,61517	
Norway	1991	53	8,07	19,4	99,96643	76,98073171	0,1	1	19,4	6,70582	
Norway	1992	53	7,35	19,41	99,67667	77,18439024	0,1	1	19,41	6,91403	
Norway	1993	53	6,68	19,43	98,68586	77,15170732	0,1	1	19,43	8,01586	
Norway	1994	53	6,15	19,46	98,4122	77,6897561	0,1	1	19,46	8,13126	
Norway	1995	53	5,68	19,48	98,21369	77,73658537	0,1	1	19,48	7,95296	8,570153236
Norway	1996	53	5,45	19,47	98,29955	78,1504878	0,1	1	19,47	7,37172	9,100193977
Norway	1997	53	5,34	19,46	99,10281	78,14268293	0,1	1	19,46	7,52702	9,42712307
Norway	1998	53	5,25	19,32	99,75275	78,32926829	0,1	1	19,32	7,59371	10,14714622
Norway	1999	53	5,17	19,06	99,77762	78,28292683	0,1	1	19,06	7,1685	10,05622292
Norway	2000	53	5,01	18,91	99,71899	78,63414634	0,1	1	18,91	6,67095	9,131999016
Norway	2001	53	4,84	18,74	99,77023	78,78536585	0,1	1	18,74	6,9463	9,761940956
Norway	2002	53	4,64	18,65	99,74167	78,98780488	0,1	1	18,65	7,55351	10,41397095
Norway	2003	53	4,47	18,54	99,85574	79,3902439	0,1	1	18,54	7,50088	10,56644249
Norway	2004	53	4,26	18,48	99,45436	79,84146341	0,1	1	18,48	7,40986	10,09218311
Norway	2005	53	4,07	18,36	98,60261	80,04146341	0,2	1	18,36	6,89733	9,534041405
Norway	2006	53	3,93	18,2	98,63914	80,34390244	0,2	1	18,2	6,48206	9,249895096
Norway	2007	53	3,79	18	99,12963	80,39512195	0,2	1	18	6,67934	9,491056442
Norway	2008	53	3,64	17,81	99,22759	80,59268293	0,2	1	17,81	6,43072	9,003153801
Portugal	1970	54	74,38	36,27		67,07317073		1	36,27		
Portugal	1971	54	68,87	35,18		66,77073171		1	35,18		
Portugal	1972	54	53,79	34,37		68,32439024		1	34,37		
Portugal	1973	54	54,6	33,5	88,40803	67,52439024		1	33,5		
Portugal	1974	54	44,89	33,15	88,45856	68,0195122		1	33,15		
Portugal	1975	54	43,94	32,33		68,3097561		1	32,33	3,11276	
Portugal	1976	54	43,94	32,48	92,79242	68,86097561		1	32,48	3,15334	
Portugal	1977	54	37,6	32,32	93,86449	70,01219512		1	32,32		
Portugal	1978	54	34,59	31,79	96,4089	70,31707317		1	31,79	3,0002	
Portugal	1979	54	31,09	31,36		71,16829268		1	31,36	2,79942	
Portugal	1980	54	29,38	30,91	96,15245	71,21463415		1	30,91	3,19246	
Portugal	1981	54	26,01	30,27	96,74897	71,61463415		1	30,27	3,36919	
Portugal	1982	54	24,1	29,69		72,41463415		1	29,69	3,57999	
Portugal	1983	54	22,88	29,4		72,26585366		1	29,4	3,46304	
Portugal	1984	54	20,49	29,1	97,94879	72,51463415		1	29,1	3,40077	
Portugal	1985	54	19,81	29,05	99,45375	72,81463415		1	29,05	3,50282	
Portugal	1986	54	18,74	29,09	99,64666	73,26585366		1	29,09	3,20561	
Portugal	1987	54	17,51	29,09	99,50755	73,66585366		1	29,09	3,28446	

<i>Country name</i>	<i>Year</i>	<i>ID</i>	<i>Under-5 mortality</i>	<i>Shadow economy</i>	<i>School Enrolment</i>	<i>Life expectancy</i>	<i>HIV Prevalence</i>	<i>Level of development</i>	<i>Interaction term</i>	<i>Education Expenditure</i>	<i>Health Expenditure</i>
<i>cname</i>	<i>Year</i>	<i>id</i>	<i>Mortal</i>	<i>Sh_ec</i>	<i>Ed</i>	<i>L_e</i>	<i>HIV</i>	<i>Lev_of_dev</i>	<i>Inter_SE_LD</i>	<i>C_Exp_ed</i>	<i>C_exp_hl</i>
Portugal	1988	54	17,12	28,85		73,71463415		1	28,85	3,49607	
Portugal	1989	54	16,23	28,41		74,26585366		1	28,41	3,56842	
Portugal	1990	54	14,97	28,3	99,71912	73,96585366	0,1	1	28,3	3,6409	
Portugal	1991	54	14,67	27,65	98,60386	74,01463415	0,2	1	27,65	4,1433	
Portugal	1992	54	12,96	27,11	99,636	74,31219512	0,2	1	27,11	4,39364	
Portugal	1993	54	11,81	26,69	99,74195	74,51219512	0,3	1	26,69	4,89956	
Portugal	1994	54	10,15	26,52	99,13319	74,91463415	0,3	1	26,52	4,74802	
Portugal	1995	54	9,28	26,18	99,47092	75,31219512	0,4	1	26,18	4,66633	7,520391941
Portugal	1996	54	8,91	25,87		75,26097561	0,4	1	25,87	5,12697	7,794328213
Portugal	1997	54	8,75	25,63		75,41219512	0,5	1	25,63		7,780236244
Portugal	1998	54	8,45	25,48		75,71219512	0,5	1	25,48		7,694762707
Portugal	1999	54	8,1	25,05		75,96341463	0,5	1	25,05	5,13767	7,935823917
Portugal	2000	54	8,03	24,63	97,0229	76,31463415	0,6	1	24,63	5,31845	9,296319008
Portugal	2001	54	7,32	24,27		76,81463415	0,6	1	24,27	5,53012	9,261551857
Portugal	2002	54	6,64	23,91	98,50159	77,06585366	0,6	1	23,91	5,41968	9,294816971
Portugal	2003	54	5,58	23,63		77,2195122	0,6	1	23,63	5,42944	9,733660698
Portugal	2004	54	4,96	23,45	97,8419	77,67073171	0,6	1	23,45	5,20097	10,04880714
Portugal	2005	54	4,43	23,3	97,88821	78,07073171	0,7	1	23,3	5,29337	10,35329819
Portugal	2006	54	4,2	23,14	97,76372	78,4195122	0,7	1	23,14	5,23049	10,0326252
Portugal	2007	54	4,02	23		78,32195122	0,7	1	23	5,26783	9,994153976
Portugal	2008	54	3,8	22,84		78,52439024	0,7	1	22,84	5,07178	10,21887779
Singapore	1970	55	29,2	21,58		68,27941463		1	21,58		
Singapore	1971	55	26,02	21,1		68,65046341		1	21,1		
Singapore	1972	55	24,97	20,56		69,04290244		1	20,56		
Singapore	1973	55	23,93	20,07		69,44031707		1	20,07		
Singapore	1974	55	20,37	19,69		69,83478049		1	19,69		
Singapore	1975	55	17,19	19,09		70,21970732		1	19,09	2,51037	
Singapore	1976	55	15,42	18,75		70,59397561		1	18,75	2,66962	
Singapore	1977	55	14,8	18,39		70,96090244		1	18,39	2,46654	
Singapore	1978	55	15,44	18,19		71,32334146		1	18,19	2,32097	
Singapore	1979	55	15,69	17,96		71,68273171		1	17,96	2,25904	
Singapore	1980	55	15,28	17,63		72,04165854		1	17,63	2,5745	
Singapore	1981	55	13,83	17,31		72,40373171		1	17,31	2,73192	
Singapore	1982	55	12,98	17,03		72,77104878		1	17,03	3,4784	
Singapore	1983	55	11,83	16,59		73,14709756		1	16,59	4,17563	
Singapore	1984	55	11,28	16,16		73,53078049		1	16,16		
Singapore	1985	55	10,63	15,54		73,92741463		1	15,54		
Singapore	1986	55	10	15,22		74,33973171		1	15,22		
Singapore	1987	55	9,46	15,1		74,76502439		1	15,1		
Singapore	1988	55	8,83	14,98		75,19617073		1	14,98	3,76397	

<i>Country name</i>	<i>Year</i>	<i>ID</i>	<i>Under-5 mortality</i>	<i>Shadow economy</i>	<i>School Enrolment</i>	<i>Life expectancy</i>	<i>HIV Prevalence</i>	<i>Level of development</i>	<i>Interaction term</i>	<i>Education Expenditure</i>	<i>Health Expenditure</i>
<i>cname</i>	<i>Year</i>	<i>id</i>	<i>Mortal</i>	<i>Sh_ec</i>	<i>Ed</i>	<i>L_e</i>	<i>HIV</i>	<i>Lev_of_dev</i>	<i>Inter_SE_LD</i>	<i>C_Exp_ed</i>	<i>C_exp_hl</i>
Singapore	1989	55	7,98	14,96		75,62314634		1	14,96		
Singapore	1990	55	7,75	14,87		76,0285122	0,1	1	14,87		
Singapore	1991	55	6,69	14,68		76,39190244	0,1	1	14,68		
Singapore	1992	55	6,07	14,54		76,70153659	0,1	1	14,54		
Singapore	1993	55	5,7	14,31		76,95563415	0,1	1	14,31		
Singapore	1994	55	5,36	14,04		76,29756098	0,1	1	14,04		
Singapore	1995	55	5,02	13,8		76,39512195	0,1	1	13,8		2,964940071
Singapore	1996	55	4,85	13,63		76,74634146	0,1	1	13,63		2,892514944
Singapore	1997	55	4,78	13,37		77,04878049	0,1	1	13,37		2,814732552
Singapore	1998	55	4,74	12,93		77,4	0,1	1	12,93		3,12153101
Singapore	1999	55	4,41	12,8		77,55121951	0,1	1	12,8		2,862020254
Singapore	2000	55	4,07	12,66		78,05121951	0,1	1	12,66	3,33955	2,749543905
Singapore	2001	55	3,76	12,35		78,35121951	0,1	1	12,35	3,63358	2,411670446
Singapore	2002	55	3,68	12,25		78,69512195	0,1	1	12,25	4,01539	2,884239674
Singapore	2003	55	3,52	12,16		79,03902439	0,1	1	12,16	4,18458	3,649717569
Singapore	2004	55	3,24	12,32		79,4902439	0,1	1	12,32	3,85184	3,208640099
Singapore	2005	55	3,1	12,28		79,9902439	0,1	1	12,28	3,51274	3,79257226
Singapore	2006	55	3,07	12,26		80,14146341	0,1	1	12,26	2,90488	3,697061062
Singapore	2007	55	3,01	12,2		80,44146341	0,1	1	12,2		3,546644211
Singapore	2008	55	2,86	12,13		80,7902439	0,1	1	12,13		4,011510372
Slovakia	1970	56				70,13873171		1	0		
Slovakia	1971	56				70,10443902		1	0		
Slovakia	1972	56				70,10336585		1	0		
Slovakia	1973	56				70,1284878		1	0		
Slovakia	1974	56				70,17831707		1	0		
Slovakia	1975	56				70,24680488		1	0		
Slovakia	1976	56				70,32390244		1	0		
Slovakia	1977	56				70,39956098		1	0		
Slovakia	1978	56				70,46670732		1	0		
Slovakia	1979	56				70,52085366		1	0		
Slovakia	1980	56				70,40853659		1	0		
Slovakia	1981	56				70,62926829		1	0		
Slovakia	1982	56				70,68902439		1	0		
Slovakia	1983	56				70,47902439		1	0		
Slovakia	1984	56				70,75097561		1	0		
Slovakia	1985	56				70,73463415		1	0		
Slovakia	1986	56				71,02121951		1	0		
Slovakia	1987	56		19,02		71,08878049		1	19,02		
Slovakia	1988	56		18,75		71,20780488		1	18,75		
Slovakia	1989	56		18,48		71,02634146		1	18,48		

<i>Country name</i>	<i>Year</i>	<i>ID</i>	<i>Under-5 mortality</i>	<i>Shadow economy</i>	<i>School Enrolment</i>	<i>Life expectancy</i>	<i>HIV Prevalence</i>	<i>Level of development</i>	<i>Interaction term</i>	<i>Education Expenditure</i>	<i>Health Expenditure</i>
<i>cname</i>	<i>Year</i>	<i>id</i>	<i>Mortal</i>	<i>Sh_ec</i>	<i>Ed</i>	<i>L_e</i>	<i>HIV</i>	<i>Lev_of_dev</i>	<i>Inter_SE_LD</i>	<i>C_Exp_ed</i>	<i>C_exp_hl</i>
Slovakia	1990	56		18,25		70,93268293	0,1	1	18,25		
Slovakia	1991	56		17,76		70,88292683	0,1	1	17,76		
Slovakia	1992	56		17,61		71,79512195	0,1	1	17,61	5,83381	
Slovakia	1993	56	12,83	17,65		72,44878049	0,1	1	17,65	4,59159	
Slovakia	1994	56	12,18	17,74		72,3	0,1	1	17,74	3,82901	
Slovakia	1995	56	11,69	17,86		72,25365854	0,1	1	17,86	4,37797	6,063874722
Slovakia	1996	56	11,18	17,92		72,65365854	0,1	1	17,92	4,19077	6,437145233
Slovakia	1997	56	10,69	17,8		72,70487805	0,1	1	17,8	4,21818	5,784207821
Slovakia	1998	56	10,87	17,64		72,55121951	0,1	1	17,64		5,655225754
Slovakia	1999	56	10,54	17,54		72,90243902	0,1	1	17,54	4,20046	5,753795147
Slovakia	2000	56	10,16	17,51		73,05121951	0,1	1	17,51	3,94661	5,498908043
Slovakia	2001	56	8,89	17,52		73,40243902	0,1	1	17,52	3,99267	5,504616261
Slovakia	2002	56	9,02	17,39		73,60487805	0,1	1	17,39	4,3217	5,629301071
Slovakia	2003	56	9,31	17,3		73,60487805	0,1	1	17,3	4,52417	5,818501949
Slovakia	2004	56	8,91	17,3		73,95853659	0,1	1	17,3	4,36932	7,210980892
Slovakia	2005	56	8,54	17,16		73,90487805	0,1	1	17,16	3,96125	7,044851303
Slovakia	2006	56	7,94	16,98		74,20487805	0,1	1	16,98	3,92035	7,347680569
Slovakia	2007	56	7,47	16,8		74,20731707	0,1	1	16,8	3,73825	7,755294323
Slovakia	2008	56	7,12	16,57		74,70487805	0,1	1	16,57	3,86908	8,020828247
Slovenia	1970	57				68,6097561		1	0		
Slovenia	1971	57				68,83414634		1	0		
Slovenia	1972	57				69,05853659		1	0		
Slovenia	1973	57				69,40487805		1	0		
Slovenia	1974	57				70,16097561		1	0		
Slovenia	1975	57				70,35853659		1	0		
Slovenia	1976	57				70,30731707		1	0		
Slovenia	1977	57				70,55609756		1	0		
Slovenia	1978	57				70,70243902		1	0		
Slovenia	1979	57				70,85365854		1	0		
Slovenia	1980	57				71,10487805		1	0		
Slovenia	1981	57				71,20487805		1	0		
Slovenia	1982	57				71,05365854		1	0		
Slovenia	1983	57				70,54146341		1	0		
Slovenia	1984	57				70,90243902		1	0		
Slovenia	1985	57				71,35121951		1	0		
Slovenia	1986	57				71,80243902		1	0		
Slovenia	1987	57				72,00243902		1	0		
Slovenia	1988	57				72,44634146		1	0		
Slovenia	1989	57				72,70487805		1	0		
Slovenia	1990	57		27,68		73,20487805	0,1	1	27,68		

<i>Country name</i>	<i>Year</i>	<i>ID</i>	<i>Under-5 mortality</i>	<i>Shadow economy</i>	<i>School Enrolment</i>	<i>Life expectancy</i>	<i>HIV Prevalence</i>	<i>Level of development</i>	<i>Interaction term</i>	<i>Education Expenditure</i>	<i>Health Expenditure</i>
<i>cname</i>	<i>Year</i>	<i>id</i>	<i>Mortal</i>	<i>Sh_ec</i>	<i>Ed</i>	<i>L_e</i>	<i>HIV</i>	<i>Lev_of_dev</i>	<i>Inter_SE_LD</i>	<i>C_Exp_ed</i>	<i>C_exp_hl</i>
Slovenia	1991	57	10,08	27,76		73,35365854	0,1	1	27,76		
Slovenia	1992	57	9,6	27,92		73,30487805	0,1	1	27,92	5,42207	
Slovenia	1993	57	8,99	28,13		73,25365854	0,1	1	28,13	5,67426	
Slovenia	1994	57	8,35	28,79		73,40487805	0,1	1	28,79	5,2949	
Slovenia	1995	57	7,63	28,85	92,90033	73,95853659	0,1	1	28,85	4,95856	7,455488205
Slovenia	1996	57	7,02	28,54	94,51809	74,45853659	0,1	1	28,54		7,638638973
Slovenia	1997	57	6,56	28,4	95,1195	74,70731707	0,1	1	28,4		7,756237507
Slovenia	1998	57	6,14	28,17	95,16205	74,80731707	0,1	1	28,17		7,810072899
Slovenia	1999	57	5,74	27,72	94,1196	75,0097561	0,1	1	27,72		7,798985958
Slovenia	2000	57	5,4	27,17	93,23972	75,41219512	0,1	1	27,17		8,264164925
Slovenia	2001	57	5,11	26,74	93,58041	75,75853659	0,1	1	26,74	5,85051	8,569124222
Slovenia	2002	57	4,9	26,45	93,79251	76,00731707	0,1	1	26,45	5,79151	8,620029449
Slovenia	2003	57	4,75	26,01	94,589	76,85853659	0,1	1	26,01	5,84289	8,646454811
Slovenia	2004	57	4,6	25,86	96,37529	77,20731707	0,1	1	25,86	5,8075	8,345615387
Slovenia	2005	57	4,43	25,45	96,24084	77,61219512	0,1	1	25,45	5,72902	8,355566025
Slovenia	2006	57	4,15	25,08	95,40652	78,08658537	0,1	1	25,08	5,73519	8,280688286
Slovenia	2007	57	3,87	24,7	96,44367	78,56097561	0,1	1	24,7	5,30501	7,856544971
Slovenia	2008	57	3,62	24,11	96,79204	78,76585366	0,1	1	24,11	5,34839	8,34569931
Spain	1970	58	32,82	32,35		72,02731707		1	32,35		
Spain	1971	58	30,43	31,73	94,48448	71,6302439		1	31,73		
Spain	1972	58	26,95	31,13	95,60603	72,81804878		1	31,13		
Spain	1973	58	25,21	30,52	96,29289	72,61073171		1	30,52		
Spain	1974	58	23,49	29,8		72,9697561		1	29,8		
Spain	1975	58	21,77	29,12	99,52782	73,31878049		1	29,12		
Spain	1976	58	20,05	28,52	99,95961	73,64268293		1	28,52	1,97291	
Spain	1977	58	18,83	28,15	99,088	74,13195122		1	28,15	2,16092	
Spain	1978	58	17,92	27,85	98,29446	74,29560976		1	27,85	2,32222	
Spain	1979	58	16,39	27,61	98,40182	74,81878049		1	27,61	2,42747	
Spain	1980	58	14,34	27,39	99,17624	75,34926829		1	27,39		
Spain	1981	58	13,99	27,25	99,18022	75,52853659		1	27,25		
Spain	1982	58	13,08	27,16		76,13414634		1	27,16		
Spain	1983	58	12,94	27,12	99,55887	75,90902439		1	27,12		
Spain	1984	58	12,28	27,07	99,77053	76,29536585		1	27,07		
Spain	1985	58	11,54	26,98	99,88663	76,2595122		1	26,98		
Spain	1986	58	11,57	26,85	99,99719	76,5104878		1	26,85		
Spain	1987	58	10,97	26,79	99,44096	76,72804878		1	26,79	3,25482	
Spain	1988	58	10,09	26,59	99,83751	76,74707317		1	26,59	3,46876	
Spain	1989	58	9,61	26,22	99,93884	76,81365854		1	26,22	3,68961	
Spain	1990	58	9,22	25,85	99,8137	76,83756098	0,4	1	25,85	3,77623	
Spain	1991	58	8,67	25,48	99,75971	76,97121951	0,4	1	25,48	3,88823	

<i>Country name</i>	<i>Year</i>	<i>ID</i>	<i>Under-5 mortality</i>	<i>Shadow economy</i>	<i>School Enrolment</i>	<i>Life expectancy</i>	<i>HIV Prevalence</i>	<i>Level of development</i>	<i>Interaction term</i>	<i>Education Expenditure</i>	<i>Health Expenditure</i>
<i>cname</i>	<i>Year</i>	<i>id</i>	<i>Mortal</i>	<i>Sh_ec</i>	<i>Ed</i>	<i>L_e</i>	<i>HIV</i>	<i>Lev_of_dev</i>	<i>Inter_SE_LD</i>	<i>C_Exp_ed</i>	<i>C_exp_hl</i>
Spain	1992	58	8,5	25,16	99,92472	77,41	0,5	1	25,16	3,99078	
Spain	1993	58	8,02	24,99	99,9408	77,54658537	0,5	1	24,99	4,3972	
Spain	1994	58	7,22	24,87	99,89836	77,90146341	0,5	1	24,87	4,70707	
Spain	1995	58	6,68	24,69	99,92278	77,98073171	0,5	1	24,69	4,59448	7,444592476
Spain	1996	58	6,67	24,56	99,78529	78,1204878	0,5	1	24,56	4,64577	7,462926388
Spain	1997	58	6,32	24,42	99,86404	78,60414634	0,5	1	24,42		7,333875656
Spain	1998	58	6,02	24,2		78,66585366	0,5	1	24,2	4,46296	7,319279194
Spain	1999	58	5,83	23,94	99,69141	78,71707317	0,5	1	23,94	4,41795	7,316291809
Spain	2000	58	5,69	23,77	99,94146	78,96585366	0,5	1	23,77	4,32114	7,214755535
Spain	2001	58	5,35	23,43	99,88714	79,36829268	0,5	1	23,43	4,30521	7,241573811
Spain	2002	58	5,26	23,25	99,88405	79,56829268	0,5	1	23,25	4,31482	7,250410557
Spain	2003	58	5,09	23,08	99,79796	79,6195122	0,5	1	23,08	4,32585	8,156831741
Spain	2004	58	4,85	22,87	99,7611	79,87073171	0,5	1	22,87	4,30482	8,218860626
Spain	2005	58	4,57	22,67	99,62227	80,17073171	0,5	1	22,67	4,28752	8,28827095
Spain	2006	58	4,36	22,45	99,66427	80,82195122	0,4	1	22,45	4,33509	8,389970779
Spain	2007	58	4,42	22,2	99,74279	80,87317073	0,4	1	22,2	4,4483	8,49081707
Spain	2008	58	4,23	22,01	99,75302	81,17560976	0,4	1	22,01	4,74557	8,940158844
Sweden	1970	59	12,74	21,62		74,64926829		1	21,62		
Sweden	1971	59	12,63	21,33		74,62390244		1	21,33		
Sweden	1972	59	12,34	21,1		74,71804878		1	21,1		
Sweden	1973	59	11,62	20,93		74,86731707		1	20,93		
Sweden	1974	59	11,12	20,82		74,9804878		1	20,82		
Sweden	1975	59	10,29	20,68		74,98463415		1	20,68		
Sweden	1976	59	9,64	20,46	99,43922	74,96926829		1	20,46		
Sweden	1977	59	9,29	20,26		75,3797561		1	20,26		
Sweden	1978	59	9,1	20,21		75,46902439		1	20,21		
Sweden	1979	59	9,12	20,26		75,52414634		1	20,26	6,77671	
Sweden	1980	59	8,87	20,23		75,74097561		1	20,23	6,94767	
Sweden	1981	59	8,72	20,11		76,02609756		1	20,11	7,24504	
Sweden	1982	59	8,83	20,11	96,25727	76,32731707		1	20,11		
Sweden	1983	59	8,86	20,11		76,55170732		1	20,11		
Sweden	1984	59	8,7	20,11		76,81585366		1	20,11		
Sweden	1985	59	8,76	20,06		76,66780488		1	20,06		
Sweden	1986	59	8,3	19,91		76,93121951		1	19,91		
Sweden	1987	59	7,89	19,83	98,21241	77,09219512		1	19,83		
Sweden	1988	59	7,44	19,74	98,45941	76,97926829		1	19,74		
Sweden	1989	59	7,2	19,62	98,81665	77,72682927		1	19,62		
Sweden	1990	59	7,19	19,43	99,55689	77,53682927	0,1	1	19,43	5,59397	
Sweden	1991	59	6,9	19,18	99,76437	77,66682927	0,1	1	19,18	5,90551	
Sweden	1992	59	6,22	19,03	99,84866	77,99878049	0,1	1	19,03	5,70684	

<i>Country name</i>	<i>Year</i>	<i>ID</i>	<i>Under-5 mortality</i>	<i>Shadow economy</i>	<i>School Enrolment</i>	<i>Life expectancy</i>	<i>HIV Prevalence</i>	<i>Level of development</i>	<i>Interaction term</i>	<i>Education Expenditure</i>	<i>Health Expenditure</i>
<i>cname</i>	<i>Year</i>	<i>id</i>	<i>Mortal</i>	<i>Sh_ec</i>	<i>Ed</i>	<i>L_e</i>	<i>HIV</i>	<i>Lev_of_dev</i>	<i>Inter_SE_LD</i>	<i>C_Exp_ed</i>	<i>C_exp_hl</i>
Sweden	1993	59	5,56	18,9	99,62605	78,0604878	0,1	1	18,9	6,05864	
Sweden	1994	59	5	18,95	99,89115	78,6502439	0,1	1	18,95	6,63374	
Sweden	1995	59	4,61	18,97	98,84096	78,7404878	0,1	1	18,97	7,38119	7,964555264
Sweden	1996	59	4,46	18,91	99,80266	78,95902439	0,1	1	18,91		8,200305939
Sweden	1997	59	4,47	18,83	99,82386	79,19756098	0,1	1	18,83		8,026361465
Sweden	1998	59	4,61	18,75		79,33902439	0,2	1	18,75	7,61913	8,115355492
Sweden	1999	59	4,77	18,68	99,76835	79,44146341	0,2	1	18,68	7,31943	8,197618484
Sweden	2000	59	4,91	18,61	99,42551	79,64390244	0,2	1	18,61	7,22548	8,179613113
Sweden	2001	59	4,89	18,48	99,7246	79,79512195	0,2	1	18,48	7,10706	8,859492302
Sweden	2002	59	4,49	18,35	99,52148	79,84634146	0,2	1	18,35	7,39173	9,22815609
Sweden	2003	59	4,04	18,27	99,16749	80,09512195	0,2	1	18,27	7,12703	9,310034752
Sweden	2004	59	3,63	18,18	96,96117	80,49756098	0,2	1	18,18	7,08819	9,087970734
Sweden	2005	59	3,29	18,15	95,46892	80,54634146	0,2	1	18,15	6,8372	9,06150341
Sweden	2006	59	3,11	18,01	95,14267	80,74878049	0,2	1	18,01	6,66168	8,947998047
Sweden	2007	59	2,97	17,9	96,25885	80,9	0,2	1	17,9	6,40902	8,917222977
Sweden	2008	59	2,87	17,65	98,41359	81,1	0,2	1	17,65	6,5286	9,228354454
Switzerland	1970	60	18,72	9,82		73,0202439		1	9,82		
Switzerland	1971	60	18,25	9,68		73,13073171		1	9,68		
Switzerland	1972	60	17,36	9,54		73,64439024		1	9,54		
Switzerland	1973	60	16,56	9,41		73,94097561		1	9,41		
Switzerland	1974	60	15,59	9,27		74,28707317		1	9,27		
Switzerland	1975	60	14,01	9,02		74,66560976		1	9,02	4,61682	
Switzerland	1976	60	12,89	8,95		74,78536585		1	8,95	4,69924	
Switzerland	1977	60	11,89	8,95	75,65008	75,23804878		1	8,95	4,69986	
Switzerland	1978	60	11,18	8,96	76,18333	75,18731707		1	8,96	4,58388	
Switzerland	1979	60	10,76	8,97		75,46609756		1	8,97	4,54445	
Switzerland	1980	60	10,58	8,97		75,45926829		1	8,97	4,42871	
Switzerland	1981	60	10,1	8,91	77,13947	75,69317073		1	8,91	4,35007	
Switzerland	1982	60	9,72	8,86	77,10261	76,03390244		1	8,86	4,45893	
Switzerland	1983	60	9,39	8,83	76,73102	76,03121951		1	8,83	4,54808	
Switzerland	1984	60	9,03	8,82	76,2067	76,60853659		1	8,82	4,37343	
Switzerland	1985	60	8,73	8,79	76,1463	76,73365854		1	8,79	4,32882	
Switzerland	1986	60	8,59	8,77	76,55572	76,89902439		1	8,77	4,41507	
Switzerland	1987	60	8,57	8,73	77,73581	77,19756098		1	8,73	4,39205	
Switzerland	1988	60	8,74	8,7	79,52311	77,22658537		1	8,7	4,42679	
Switzerland	1989	60	8,87	8,66	81,58918	77,42121951		1	8,66	4,36242	
Switzerland	1990	60	8,75	8,62	83,32286	77,24243902	0,2	1	8,62	4,66984	
Switzerland	1991	60	8,35	8,63	84,15085	77,51463415	0,2	1	8,63	4,82838	
Switzerland	1992	60	7,84	8,55	84,20889	77,80609756	0,3	1	8,55		
Switzerland	1993	60	7,15	8,51	83,42703	78,08536585	0,3	1	8,51	5,2437	

<i>Country name</i>	<i>Year</i>	<i>ID</i>	<i>Under-5 mortality</i>	<i>Shadow economy</i>	<i>School Enrolment</i>	<i>Life expectancy</i>	<i>HIV Prevalence</i>	<i>Level of development</i>	<i>Interaction term</i>	<i>Education Expenditure</i>	<i>Health Expenditure</i>
<i>cname</i>	<i>Year</i>	<i>id</i>	<i>Mortal</i>	<i>Sh_ec</i>	<i>Ed</i>	<i>L_e</i>	<i>HIV</i>	<i>Lev_of_dev</i>	<i>Inter_SE_LD</i>	<i>C_Exp_ed</i>	<i>C_exp_hl</i>
Switzerland	1994	60	6,57	8,48	82,55226	78,35	0,3	1	8,48	5,24902	
Switzerland	1995	60	6,18	8,42	88,99082	78,41707317	0,3	1	8,42	5,20913	9,334308624
Switzerland	1996	60	5,96	8,37	90,91196	78,89609756	0,3	1	8,37	5,20624	9,715182304
Switzerland	1997	60	5,91	8,32		79,0795122	0,3	1	8,32		9,669820786
Switzerland	1998	60	5,89	8,3		79,32439024	0,3	1	8,3	4,91096	9,846541405
Switzerland	1999	60	5,92	8,24	95,73255	79,5804878	0,3	1	8,24	4,87793	10,00292778
Switzerland	2000	60	5,97	8,21	95,57406	79,6804878	0,3	1	8,21	4,73899	9,908050537
Switzerland	2001	60	5,89	8,19	95,29014	80,1804878	0,3	1	8,19	5,04008	10,28167439
Switzerland	2002	60	5,64	8,17	95,17534	80,38536585	0,4	1	8,17	5,41904	10,6065712
Switzerland	2003	60	5,4	8,15	94,94693	80,53658537	0,4	1	8,15	5,43315	10,93391323
Switzerland	2004	60	5,25	8,13	94,54745	81,08780488	0,4	1	8,13	5,3666	10,96120262
Switzerland	2005	60	5,09	8,11	93,50036	81,23658537	0,4	1	8,11	5,06122	10,86294174
Switzerland	2006	60	4,95	8,11	93,05577	81,4902439	0,4	1	8,11	4,87787	10,38772202
Switzerland	2007	60	4,74	8,1	92,98386	81,74146341	0,4	1	8,1	4,95282	10,20985699
Switzerland	2008	60	4,55	8,08	93,58974	81,99268293	0,4	1	8,08	5,51665	10,28895092
Taiwan	1970	61	27,4	58,05				1	58,05		
Taiwan	1971	61	25,32	56,04				1	56,04		
Taiwan	1972	61	22,35	53,97				1	53,97		
Taiwan	1973	61	21,64	51,98				1	51,98		
Taiwan	1974	61	20,12	50,07				1	50,07		
Taiwan	1975	61	19,75	47,55				1	47,55		
Taiwan	1976	61	18,13	46,13				1	46,13		
Taiwan	1977	61	16,8	44,6				1	44,6		
Taiwan	1978	61	15,96	43,39				1	43,39		
Taiwan	1979	61	15,3	42,09				1	42,09		
Taiwan	1980	61	15,31	40,6				1	40,6		
Taiwan	1981	61	14,3	39,29				1	39,29		
Taiwan	1982	61	12,9	38,24				1	38,24		
Taiwan	1983	61	11,86	37,72				1	37,72		
Taiwan	1984	61	10,9	37,18				1	37,18		
Taiwan	1985	61	10,5	36,54				1	36,54		
Taiwan	1986	61	9,68	36,33				1	36,33		
Taiwan	1987	61	8,72	36,01				1	36,01		
Taiwan	1988	61	8,89	35,19				1	35,19		
Taiwan	1989	61	8,93	34,23				1	34,23		
Taiwan	1990	61	8,94	33,22				1	33,22		
Taiwan	1991	61	8,54	32,45				1	32,45		
Taiwan	1992	61	8,27	31,74				1	31,74		
Taiwan	1993	61	7,89	30,85				1	30,85		
Taiwan	1994	61	7,95	30,07				1	30,07		

<i>Country name</i>	<i>Year</i>	<i>ID</i>	<i>Under-5 mortality</i>	<i>Shadow economy</i>	<i>School Enrolment</i>	<i>Life expectancy</i>	<i>HIV Prevalence</i>	<i>Level of development</i>	<i>Interaction term</i>	<i>Education Expenditure</i>	<i>Health Expenditure</i>
<i>cname</i>	<i>Year</i>	<i>id</i>	<i>Mortal</i>	<i>Sh_ec</i>	<i>Ed</i>	<i>L_e</i>	<i>HIV</i>	<i>Lev_of_dev</i>	<i>Inter_SE_LD</i>	<i>C_Exp_ed</i>	<i>C_exp_hl</i>
Taiwan	1995	61	8,96	29,27				1	29,27		
Taiwan	1996	61	9,28	28,5				1	28,5		
Taiwan	1997	61	9,11	27,87				1	27,87		
Taiwan	1998	61	9,07	27,18				1	27,18		
Taiwan	1999	61	9,07	26,55				1	26,55		
Taiwan	2000	61	8,6	26,02				1	26,02		
Taiwan	2001	61	8,07	25,45				1	25,45		
Taiwan	2002	61	7,62	25,33				1	25,33		
Taiwan	2003	61	7,15	25,01				1	25,01		
Taiwan	2004	61	7,25	24,78				1	24,78		
Taiwan	2005	61	7,04	24,45				1	24,45		
Taiwan	2006	61	6,78	24,14				1	24,14		
Taiwan	2007	61	6,63	23,9				1	23,9		
Taiwan	2008	61	6,46	23,65				1	23,65		
United Kingdom	1970	62	21,79	16,08		71,97317073		1	16,08		
United Kingdom	1971	62	21,77	15,87	99,20631	72,27317073		1	15,87		
United Kingdom	1972	62	20,9	15,7	98,70071	72,12439024		1	15,7		
United Kingdom	1973	62	20,04	15,61	97,87685	72,32439024		1	15,61		
United Kingdom	1974	62	19,17	15,39	97,29772	72,52439024		1	15,39		
United Kingdom	1975	62	17,86	15,24	96,95443	72,72439024		1	15,24	6,44526	
United Kingdom	1976	62	16,22	15,2	96,74151	72,77560976		1	15,2	6,53286	
United Kingdom	1977	62	15,68	15,1	96,81024	73,22439024		1	15,1	6,16512	
United Kingdom	1978	62	15,65	15,01	96,62835	73,17560976		1	15,01		
United Kingdom	1979	62	15,87	14,93	96,54001	73,27560976		1	14,93		
United Kingdom	1980	62	15,24	14,84	97,64328	73,67560976		1	14,84	5,30357	
United Kingdom	1981	62	13,7	14,8	97,26541	74,02682927		1	14,8	5,58051	
United Kingdom	1982	62	12,76	14,81	96,07842	74,17804878		1	14,81	5,50929	
United Kingdom	1983	62	11,58	14,78	94,34458	74,37804878		1	14,78	5,38711	
United Kingdom	1984	62	10,83	14,78	93,81592	74,77804878		1	14,78	5,19265	
United Kingdom	1985	62	10,67	14,72	92,76835	74,62926829		1	14,72	4,8645	
United Kingdom	1986	62	10,64	14,63	94,41804	74,92926829		1	14,63	4,69441	
United Kingdom	1987	62	10,56	14,58	97,24924	75,2804878		1	14,58	4,66464	
United Kingdom	1988	62	10,6	14,51	98,94688	75,3804878		1	14,51	4,59302	
United Kingdom	1989	62	10,14	14,35	99,66796	75,58292683		1	14,35	4,45194	
United Kingdom	1990	62	9,74	14,17	99,27864	75,8804878	0,1	1	14,17	4,42968	
United Kingdom	1991	62	9,14	13,99	97,61603	76,08292683	0,1	1	13,99	4,52869	
United Kingdom	1992	62	8,21	13,9	96,1686	76,43414634	0,1	1	13,9	4,7648	
United Kingdom	1993	62	7,76	13,82		76,38536585	0,1	1	13,82	5,30476	
United Kingdom	1994	62	7,43	13,74		76,88536585	0,1	1	13,74	5,21674	
United Kingdom	1995	62	7,23	13,64		76,83658537	0,1	1	13,64	5,12662	6,751535892

<i>Country name</i>	<i>Year</i>	<i>ID</i>	<i>Under-5 mortality</i>	<i>Shadow economy</i>	<i>School Enrolment</i>	<i>Life expectancy</i>	<i>HIV Prevalence</i>	<i>Level of development</i>	<i>Interaction term</i>	<i>Education Expenditure</i>	<i>Health Expenditure</i>
<i>cname</i>	<i>Year</i>	<i>id</i>	<i>Mortal</i>	<i>Sh_ec</i>	<i>Ed</i>	<i>L_e</i>	<i>HIV</i>	<i>Lev_of_dev</i>	<i>Inter_SE_LD</i>	<i>C_Exp_ed</i>	<i>C_exp_hl</i>
United Kingdom	1996	62	7,22	13,55		77,08780488	0,1	1	13,55		6,786396503
United Kingdom	1997	62	7,07	13,46		77,21097561	0,1	1	13,46		6,559760094
United Kingdom	1998	62	7,26	13,33	99,89876	77,1902439	0,1	1	13,33	4,82225	6,625957012
United Kingdom	1999	62	7,25	13,19	99,94836	77,3902439	0,1	1	13,19	4,47673	6,883291245
United Kingdom	2000	62	6,77	13,04	99,9512	77,74146341	0,1	1	13,04	4,54486	7,016849518
United Kingdom	2001	62	6,36	12,89	99,94393	77,99268293	0,2	1	12,89	4,64691	7,310538292
United Kingdom	2002	62	6,19	12,76	99,94273	78,14390244	0,2	1	12,76	5,17033	7,634967327
United Kingdom	2003	62	6,31	12,63	99,92726	78,44634146	0,2	1	12,63	5,28792	7,828828812
United Kingdom	2004	62	6,2	12,5	98,2001	78,74634146	0,2	1	12,5	5,17821	8,029547691
United Kingdom	2005	62	6,1	12,43	98,77175	79,04878049	0,2	1	12,43	5,35831	8,266776085
United Kingdom	2006	62	6,08	12,34	98,53668	79,24878049	0,2	1	12,34	5,42453	8,428852081
United Kingdom	2007	62	5,94	12,2	97,24107	79,44878049	0,2	1	12,2	5,41112	8,504025459
United Kingdom	2008	62	5,74	12,02	99,51223	79,6	0,3	1	12,02	5,30576	8,952119827
United States	1970	63	25,72	11,56		70,80731707		1	11,56		
United States	1971	63	23,84	11,5		71,10731707		1	11,5		
United States	1972	63	21,41	11,44		71,15609756		1	11,44		
United States	1973	63	19,79	11,35		71,35609756		1	11,35		
United States	1974	63	18,49	11,22		71,95609756		1	11,22		
United States	1975	63	17,5	11,11	80,7367	72,60487805		1	11,11		
United States	1976	63	16,7	11,11		72,85609756		1	11,11		
United States	1977	63	16,27	11,07		73,25609756		1	11,07		
United States	1978	63	16,07	11,01		73,35609756		1	11,01		
United States	1979	63	16,12	10,9		73,80487805		1	10,9		
United States	1980	63	15,95	10,77		73,65853659		1	10,77		
United States	1981	63	15,06	10,7		74,00731707		1	10,7		
United States	1982	63	14,38	10,6		74,36097561		1	10,6		
United States	1983	63	13,52	10,57		74,46341463		1	10,57		
United States	1984	63	12,85	10,55		74,56341463		1	10,55		
United States	1985	63	12,68	10,42		74,56341463		1	10,42		
United States	1986	63	12,3	10,32	92,95491	74,61463415		1	10,32	4,78225	
United States	1987	63	12,03	10,23	94,53196	74,76585366		1	10,23		
United States	1988	63	12,06	10,14		74,76585366		1	10,14	4,86357	
United States	1989	63	12,1	10,07		75,01707317		1	10,07	4,94583	
United States	1990	63	11,61	9,99	97,15261	75,21463415	0,5	1	9,99	5,03749	
United States	1991	63	11,15	9,9	96,93837	75,36585366	0,6	1	9,9	5,13486	
United States	1992	63	10,42	9,87		75,64219512	0,6	1	9,87		
United States	1993	63	10,11	9,81	94,86894	75,4195122	0,6	1	9,81		
United States	1994	63	9,59	9,76	94,49492	75,57439024	0,5	1	9,76	5,15039	
United States	1995	63	8,99	9,66	95,89579	75,62195122	0,5	1	9,66	5,19975	13,60490036
United States	1996	63	8,69	9,57	95,37942	75,99658537	0,5	1	9,57		13,57454777

<i>Country name</i>	<i>Year</i>	<i>ID</i>	<i>Under-5 mortality</i>	<i>Shadow economy</i>	<i>School Enrolment</i>	<i>Life expectancy</i>	<i>HIV Prevalence</i>	<i>Level of development</i>	<i>Interaction term</i>	<i>Education Expenditure</i>	<i>Health Expenditure</i>
<i>cname</i>	<i>Year</i>	<i>id</i>	<i>Mortal</i>	<i>Sh_ec</i>	<i>Ed</i>	<i>L_e</i>	<i>HIV</i>	<i>Lev_of_dev</i>	<i>Inter_SE_LD</i>	<i>C_Exp_ed</i>	<i>C_exp_hl</i>
United States	1997	63	8,61	9,49		76,42926829	0,6	1	9,49		13,47728634
United States	1998	63	8,72	9,36		76,5804878	0,6	1	9,36	4,94914	13,50345612
United States	1999	63	8,38	9,22	95,60721	76,58292683	0,6	1	9,22	4,98385	13,50389671
United States	2000	63	8,31	9,1	95,72964	76,63658537	0,6	1	9,1		13,58300209
United States	2001	63	8,16	8,94	95,85254	76,73658537	0,6	1	8,94	5,57399	14,2407999
United States	2002	63	8,05	8,83	93,97737	76,83658537	0,6	1	8,83	5,52731	15,09015751
United States	2003	63	7,88	8,75	93,68899	76,98780488	0,6	1	8,75	5,73053	15,6214695
United States	2004	63	7,65	8,67	92,31477	77,33902439	0,6	1	8,67	5,48525	15,71790981
United States	2005	63	7,61	8,59	92,61824	77,33902439	0,6	1	8,59	5,22854	15,76626205
United States	2006	63	7,52	8,5	93,7433	77,58780488	0,6	1	8,5	5,53127	15,86210537
United States	2007	63	7,34	8,4	94,82371	77,83902439	0,6	1	8,4	5,33375	16,08371544
United States	2008	63	7,13	8,32	95,1727	77,93902439	0,6	1	8,32	5,4468	16,53613472
Angola	1970	2	281,57	41,85		37,01512195		0	0		
Angola	1971	2	277,58	41,51		37,42102439		0	0		
Angola	1972	2	273,72	41		37,82692683		0	0		
Angola	1973	2	270,27	40,64		38,22682927		0	0		
Angola	1974	2	266,25	39,97		38,61378049		0	0		
Angola	1975	2	262,48	39,32		38,97580488		0	0		
Angola	1976	2	258,54	38,98		39,301		0	0		
Angola	1977	2	255,05	38,88		39,58136585		0	0		
Angola	1978	2	251,59	38,68		39,81585366		0	0		
Angola	1979	2	248,44	38,5		40,00539024		0	0		
Angola	1980	2	245,35	39,26		40,1592439		0	0		
Angola	1981	2	242,78	39,04		40,28865854		0	0		
Angola	1982	2	240,13	38,83	52,52159	40,408		0	0		
Angola	1983	2	237,96	38,85	48,85593	40,5282439		0	0		
Angola	1984	2	236,25	38,58		40,65395122		0	0		
Angola	1985	2	234,8	38,94		40,77778049		0	0	4,92576	
Angola	1986	2	232,69	39,21		40,8874878		0	0	6,90065	
Angola	1987	2	229,77	39,62		40,97387805		0	0	5,90408	
Angola	1988	2	226,25	39,83		41,03770732		0	0		
Angola	1989	2	221,98	40,42		41,08765854		0	0		
Angola	1990	2	217,51	40,89		41,13834146	0,6	0	0		
Angola	1991	2	212,2	41,31		41,20634146	0,7	0	0		
Angola	1992	2	206,62	41,33		41,31302439	0,8	0	0		
Angola	1993	2	200,48	41,62		41,47819512	0,9	0	0		
Angola	1994	2	193,64	40,55		41,7162439	1,1	0	0		
Angola	1995	2	186,27	39,91		42,05146341	1,2	0	0		4,832427025
Angola	1996	2	178,6	42,51		42,50163415	1,3	0	0		3,447750092
Angola	1997	2	171,32	39,62		43,06212195	1,4	0	0		4,578510761

<i>Country name</i>	<i>Year</i>	<i>ID</i>	<i>Under-5 mortality</i>	<i>Shadow economy</i>	<i>School Enrolment</i>	<i>Life expectancy</i>	<i>HIV Prevalence</i>	<i>Level of development</i>	<i>Interaction term</i>	<i>Education Expenditure</i>	<i>Health Expenditure</i>
<i>cname</i>	<i>Year</i>	<i>id</i>	<i>Mortal</i>	<i>Sh_ec</i>	<i>Ed</i>	<i>L_e</i>	<i>HIV</i>	<i>Lev_of_dev</i>	<i>Inter_SE_LD</i>	<i>C_Exp_ed</i>	<i>C_exp_hl</i>
Angola	1998	2	164,11	41,51	53,56896	43,71426829	1,5	0	0	3,19341	4,704535007
Angola	1999	2	157,58	39,03		44,439	1,6	0	0	3,38091	4,109879017
Angola	2000	2	151,98	39,27		45,20478049	1,6	0	0	3,19593	3,390689135
Angola	2001	2	147,11	39,77		45,97314634	1,7	0	0		5,821133614
Angola	2002	2	142,59	40,06		46,71173171	1,8	0	0		4,360413074
Angola	2003	2	138,44	40,43		47,39317073	1,9	0	0		4,930522919
Angola	2004	2		40,78		48,0035122	1,9	0	0		5,121109962
Angola	2005	2		41,51		48,53880488	2	0	0	3,23856	4,158004284
Angola	2006	2		42,31		49,00704878	2	0	0	3,35579	4,542436123
Angola	2007	2		42,1		49,43573171	2	0	0		3,383111
Angola	2008	2		41,09	85,82466	49,84739024	2	0	0		3,844931602
Bangladesh	1970	3		49,82	50,40842	47,5845122		0	0		
Bangladesh	1971	3	230,2	49,65		47,05068293		0	0		
Bangladesh	1972	3	226,06	49,79		46,8792439		0	0		
Bangladesh	1973	3	221,75	50,82	70,70289	47,16617073		0	0		
Bangladesh	1974	3	219,62	50,92		47,91995122		0	0		
Bangladesh	1975	3	212,81	51,16		49,06163415		0	0		
Bangladesh	1976	3	208,34	51,34	77,13152	50,4342439		0	0		
Bangladesh	1977	3	204,01	51,31	71,70455	51,82485366		0	0		
Bangladesh	1978	3	199,78	50,85	70,57294	53,067		0	0		
Bangladesh	1979	3	195,46	50,33		54,08868293		0	0	1,13465	
Bangladesh	1980	3	190,96	49,4		54,86892683		0	0	0,9394	
Bangladesh	1981	3	186,21	48,55	66,67268	55,44319512		0	0	1,10229	
Bangladesh	1982	3	181,51	48,11		55,9184878		0	0	1,02143	
Bangladesh	1983	3	176,74	47,7	63,63097	56,38121951		0	0	1,04126	
Bangladesh	1984	3	171,93	47,28	62,41016	56,85841463		0	0	1,21684	
Bangladesh	1985	3	166,98	46,93	60,76955	57,36304878		0	0	1,19521	
Bangladesh	1986	3	161,77	45,81	59,87404	57,89512195		0	0	1,3611	
Bangladesh	1987	3	156,4	45,36	58,94543	58,43317073		0	0	1,53167	
Bangladesh	1988	3	150,87	45,09	69,21076	58,96314634		0	0		
Bangladesh	1989	3	145,24	44,88	69,15021	59,48758537		0	0		
Bangladesh	1990	3	139,47	44,69	72,03177	60,0084878	0,1	0	0	1,53825	
Bangladesh	1991	3	133,75	44,66		60,53182927	0,1	0	0	1,44708	
Bangladesh	1992	3	128	44,4		61,06214634	0,1	0	0	1,59765	
Bangladesh	1993	3	122,45	43,88		61,60041463	0,1	0	0	1,65251	
Bangladesh	1994	3	117,05	43,33		62,14517073	0,1	0	0		
Bangladesh	1995	3	111,78	42,72		62,69387805	0,1	0	0		3,529650211
Bangladesh	1996	3	106,67	42,08		63,24207317	0,1	0	0		3,464768887
Bangladesh	1997	3	101,71	41,39		63,7837561	0,1	0	0	2,16514	2,754500628
Bangladesh	1998	3	96,94	40,63		64,31343902	0,1	0	0		2,733932972

<i>Country name</i>	<i>Year</i>	<i>ID</i>	<i>Under-5 mortality</i>	<i>Shadow economy</i>	<i>School Enrolment</i>	<i>Life expectancy</i>	<i>HIV Prevalence</i>	<i>Level of development</i>	<i>Interaction term</i>	<i>Education Expenditure</i>	<i>Health Expenditure</i>
<i>cname</i>	<i>Year</i>	<i>id</i>	<i>Mortal</i>	<i>Sh_ec</i>	<i>Ed</i>	<i>L_e</i>	<i>HIV</i>	<i>Lev_of_dev</i>	<i>Inter_SE_LD</i>	<i>C_Exp_ed</i>	<i>C_exp_hl</i>
Bangladesh	1999	3	92,34	39,84		64,82658537	0,1	0	0	2,34186	2,759279728
Bangladesh	2000	3	87,89	39,01		65,31973171	0,1	0	0	2,30517	2,81513238
Bangladesh	2001	3	83,63	38,28		65,79034146	0,1	0	0	2,37255	2,981880903
Bangladesh	2002	3	79,56	37,58		66,23990244	0,1	0	0	2,2397	3,09347868
Bangladesh	2003	3	75,73	36,89		66,67092683	0,1	0	0	2,27606	3,035681009
Bangladesh	2004	3	72,14	36,21		67,08597561	0,1	0	0	2,13073	3,123610735
Bangladesh	2005	3	68,74	35,53	91,77674	67,48956098	0,1	0	0		3,208380222
Bangladesh	2006	3	65,63	34,81	92,85393	67,88726829	0,1	0	0	2,33608	3,398350239
Bangladesh	2007	3	62,9	34,1		68,28314634	0,1	0	0	2,39811	3,457817793
Bangladesh	2008	3	60,35	33,4	90,75371	68,68070732	0,1	0	0	2,22472	3,538247108
Benin	1970	4	280,6	54,09		42,35		0	0		
Benin	1971	4	274,93	53,3		42,91673171		0	0		
Benin	1972	4	268,93	52,57		43,47980488		0	0		
Benin	1973	4	262,75	51,73		44,0334878		0	0		
Benin	1974	4	256,29	51,14		44,5724878		0	0		
Benin	1975	4	249,86	50,69		45,08690244		0	0		
Benin	1976	4	243,85	49,81		45,56514634		0	0		
Benin	1977	4	237,96	48,84		46,01004878		0	0		
Benin	1978	4	232,35	48,17		46,42792683		0	0		
Benin	1979	4	227,15	47,41		46,82926829		0	0		
Benin	1980	4	222,1	46,31		47,23458537		0	0		
Benin	1981	4	217,19	46,39		47,66892683		0	0		
Benin	1982	4	212,42	46,23		48,15034146		0	0		
Benin	1983	4	207,97	46,5		48,68831707		0	0		
Benin	1984	4	203,6	46,9	49,65144	49,28278049		0	0		
Benin	1985	4	199,11	47,02	50,41601	49,93468293		0	0		
Benin	1986	4	194,65	47,36	48,53379	50,63846341		0	0		
Benin	1987	4	190,14	47,79		51,36902439		0	0		
Benin	1988	4	185,61	47,89	48,16824	52,09673171		0	0		
Benin	1989	4	181	47,64	48,65488	52,79346341		0	0		
Benin	1990	4	176,47	46,86	39,26195	53,42	3,2	0	0		
Benin	1991	4	172,12	46,25		53,93570732	3	0	0		
Benin	1992	4	167,98	45,43	48,81304	54,32702439	2,7	0	0		
Benin	1993	4	163,95	44,97	52,71944	54,59497561	2,6	0	0		
Benin	1994	4	160,09	44,32	53,90425	54,75007317	2,4	0	0		
Benin	1995	4	156,4	44,36	56,23852	54,81595122	2,3	0	0		4,6925354
Benin	1996	4	152,79	44,15	58,42456	54,83180488	2,2	0	0		4,586628914
Benin	1997	4	149,02	44,07	61,65973	54,84231707	2,1	0	0		4,311922073
Benin	1998	4	145,18	44,02		54,89014634	2	0	0	2,76295	4,385668278
Benin	1999	4	141,2	44,1		54,99878049	1,9	0	0	2,85659	4,586872101

<i>Country name</i>	<i>Year</i>	<i>ID</i>	<i>Under-5 mortality</i>	<i>Shadow economy</i>	<i>School Enrolment</i>	<i>Life expectancy</i>	<i>HIV Prevalence</i>	<i>Level of development</i>	<i>Interaction term</i>	<i>Education Expenditure</i>	<i>Health Expenditure</i>
<i>cname</i>	<i>Year</i>	<i>id</i>	<i>Mortal</i>	<i>Sh_ec</i>	<i>Ed</i>	<i>L_e</i>	<i>HIV</i>	<i>Lev_of_dev</i>	<i>Inter_SE_LD</i>	<i>C_Exp_ed</i>	<i>C_exp_hl</i>
Benin	2000	4	136,99	43,76		55,1882439	1,8	0	0	3,16248	4,338831425
Benin	2001	4	132,72	42,76		55,4664878	1,7	0	0	3,48501	4,686626911
Benin	2002	4	128,32	42,33		55,81431707	1,6	0	0	3,24086	4,274222374
Benin	2003	4	124,08	42,01	81,78143	56,20807317	1,5	0	0	3,46266	4,630578518
Benin	2004	4	120,04	42	84,87414	56,63317073	1,4	0	0	3,95154	4,561810017
Benin	2005	4	116,21	41,96	80,06114	57,06697561	1,3	0	0	4,01854	4,733672619
Benin	2006	4	112,68	42,05	82,5793	57,48687805	1,3	0	0	3,85297	4,750357151
Benin	2007	4	109,37	42		57,87387805	1,3	0	0	3,50726	4,545945168
Benin	2008	4	106,21	41,97	87,62403	58,216	1,2	0	0	4,08834	4,188308239
Burkina Faso	1970	5	319,49	58,47		39,09687805		0	0		
Burkina Faso	1971	5	313,83	58,16	10,0546	39,5385122		0	0		
Burkina Faso	1972	5	307,47	56,43	10,48779	39,99517073		0	0		
Burkina Faso	1973	5	300,83	55,5		40,48034146		0	0		
Burkina Faso	1974	5	293,38	54,54		41,00658537		0	0		
Burkina Faso	1975	5	285,9	52,82		41,60639024		0	0		
Burkina Faso	1976	5	278,4	52,43		42,31329268		0	0		
Burkina Faso	1977	5	270,98	51,87	12,55797	43,1302439		0	0		
Burkina Faso	1978	5	263,59	51,64	13,02682	44,03978049		0	0	1,69256	
Burkina Faso	1979	5	256,59	51,1	13,5189	45,01339024		0	0		
Burkina Faso	1980	5	250,22	49,5	14,30842	45,99756098		0	0	1,96596	
Burkina Faso	1981	5	243,85	48,58	15,32438	46,92831707		0	0		
Burkina Faso	1982	5	237,78	47,58	16,8141	47,74963415		0	0		
Burkina Faso	1983	5	231,76	46,84	18,08	48,422		0	0	1,7656	
Burkina Faso	1984	5	226,07	46,51	19,42906	48,92436585		0	0		
Burkina Faso	1985	5	220,74	46,66	21,48464	49,25121951		0	0	1,77046	
Burkina Faso	1986	5	216,05	45,14	23,48546	49,41753659		0	0		
Burkina Faso	1987	5	211,94	44,06	25,13819	49,47226829		0	0		
Burkina Faso	1988	5	208,7	43,43	25,62197	49,46290244		0	0	1,43326	
Burkina Faso	1989	5	206,27	42,96	25,91472	49,41987805		0	0		
Burkina Faso	1990	5	204,74	42,24		49,36560976	3,7	0	0		
Burkina Faso	1991	5	203,65	41,69	27,18227	49,31646341	3,6	0	0		
Burkina Faso	1992	5	202,8	41,1	27,70352	49,27795122	3,5	0	0		
Burkina Faso	1993	5	201,57	40,56	28,68706	49,25965854	3,4	0	0		
Burkina Faso	1994	5	199,65	40,2	29,91303	49,27770732	3,2	0	0	3,47727	
Burkina Faso	1995	5	196,98	40,24	31,53517	49,34431707	3	0	0		4,302064419
Burkina Faso	1996	5	193,21	40,2		49,46929268	2,9	0	0	1,43643	4,518530846
Burkina Faso	1997	5	188,92	40,01		49,64782927	2,7	0	0		4,533552647
Burkina Faso	1998	5	183,91	39,59	34,98178	49,87607317	2,5	0	0		4,682797432
Burkina Faso	1999	5	178,04	39,56	35,49161	50,15456098	2,4	0	0		5,264990807
Burkina Faso	2000	5	172,42	39,43	36,33498	50,4827561	2,2	0	0		5,131424904

<i>Country name</i>	<i>Year</i>	<i>ID</i>	<i>Under-5 mortality</i>	<i>Shadow economy</i>	<i>School Enrolment</i>	<i>Life expectancy</i>	<i>HIV Prevalence</i>	<i>Level of development</i>	<i>Interaction term</i>	<i>Education Expenditure</i>	<i>Health Expenditure</i>
<i>cname</i>	<i>Year</i>	<i>id</i>	<i>Mortal</i>	<i>Sh_ec</i>	<i>Ed</i>	<i>L_e</i>	<i>HIV</i>	<i>Lev_of_dev</i>	<i>Inter_SE_LD</i>	<i>C_Exp_ed</i>	<i>C_exp_hl</i>
Burkina Faso	2001	5	166,87	39,43	37,26344	50,85807317	2,1	0	0		4,939743519
Burkina Faso	2002	5	161,71	39,56	36,71742	51,2727561	1,9	0	0		5,010664463
Burkina Faso	2003	5	156,82	39,87	38,64454	51,71756098	1,8	0	0		5,523420334
Burkina Faso	2004	5	152,31	39,56	41,14093	52,18278049	1,7	0	0		6,111493111
Burkina Faso	2005	5	148,49	39,53	45,74236	52,65870732	1,6	0	0	4,44935	6,874289036
Burkina Faso	2006	5	144,76	39,42	48,74735	53,13968293	1,5	0	0	4,45883	7,367145061
Burkina Faso	2007	5	141,77	39,6	54,02702	53,61968293	1,4	0	0	4,60058	7,651762009
Burkina Faso	2008	5	138,97	39,79	59,97297	54,09419512	1,3	0	0		8,577285767
Burundi	1970	6	229,76	52,34		43,78192683		0	0		
Burundi	1971	6	227,29	52,48		43,95992683		0	0		
Burundi	1972	6	224,79	51,28		44,18546341		0	0		
Burundi	1973	6	221,84	52,03	18,80231	44,47197561		0	0		
Burundi	1974	6	218,75	51,99		44,8194878		0	0		
Burundi	1975	6	215,06	51,17		45,22141463		0	0		
Burundi	1976	6	210,87	50,91		45,65973171		0	0		
Burundi	1977	6	206,31	50,24		46,10590244		0	0		
Burundi	1978	6	201,67	48,66	17,46595	46,53492683		0	0		
Burundi	1979	6	196,77	47,42		46,93134146		0	0	2,84024	
Burundi	1980	6	192,05	46,39	19,17038	47,29165854		0	0		
Burundi	1981	6	187,49	45,64	21,13031	47,62446341		0	0	3,3568	
Burundi	1982	6	183,27	44,38	24,51032	47,93480488		0	0		
Burundi	1983	6	180,03	43,3	30,76301	48,21926829		0	0		
Burundi	1984	6	178,09	42,25	35,48645	48,45990244		0	0		
Burundi	1985	6	177,08	41,33	39,6528	48,61378049		0	0		
Burundi	1986	6	176,93	40,64	41,95313	48,62895122		0	0		
Burundi	1987	6	176,98	40,07	46,69893	48,48739024		0	0		
Burundi	1988	6	176,76	39,59	48,89411	48,19658537		0	0		
Burundi	1989	6	176,49	38,99		47,7885122		0	0		
Burundi	1990	6	175,76	38,63		47,32914634	2,1	0	0	3,4041	
Burundi	1991	6	174,44	38,19		46,9014878	2,6	0	0	3,52764	
Burundi	1992	6	172,6	37,73		46,58043902	3,3	0	0	3,85446	
Burundi	1993	6	170,14	37,22	47,75762	46,41743902	4	0	0		
Burundi	1994	6	167,34	37,04		46,43092683	4,7	0	0	4,62211	
Burundi	1995	6	164,13	37,72		46,60729268	5,1	0	0	5,0781	5,458771706
Burundi	1996	6	161,15	37,94		46,9035122	5,2	0	0	4,14965	5,412739277
Burundi	1997	6	158,14	38,34		47,2505122	5	0	0		5,007732391
Burundi	1998	6	155,22	38,72		47,59280488	4,7	0	0		5,740081787
Burundi	1999	6	152,64	39,2		47,91280488	4,3	0	0	3,46594	5,597126007
Burundi	2000	6	150,06	39,54	40,68337	48,20802439	3,9	0	0	2,60927	6,299926758
Burundi	2001	6	147,76	39,88	49,42634	48,49492683	3,5	0	0	2,86368	6,766485214

<i>Country name</i>	<i>Year</i>	<i>ID</i>	<i>Under-5 mortality</i>	<i>Shadow economy</i>	<i>School Enrolment</i>	<i>Life expectancy</i>	<i>HIV Prevalence</i>	<i>Level of development</i>	<i>Interaction term</i>	<i>Education Expenditure</i>	<i>Health Expenditure</i>
<i>cname</i>	<i>Year</i>	<i>id</i>	<i>Mortal</i>	<i>Sh_ec</i>	<i>Ed</i>	<i>L_e</i>	<i>HIV</i>	<i>Lev_of_dev</i>	<i>Inter_SE_LD</i>	<i>C_Exp_ed</i>	<i>C_exp_hl</i>
Burundi	2002	6	145,46	40,35	48,84553	48,80356098	3,1	0	0	2,95591	7,075117111
Burundi	2003	6	143,43	40,42	52,32153	49,15695122	2,8	0	0	3,49998	7,161282063
Burundi	2004	6	141,43	40,5	53,92554	49,55809756	2,5	0	0	3,66524	9,71881485
Burundi	2005	6	139,38	40,41	57,10296	50,007	2,3	0	0	3,57478	10,07937336
Burundi	2006	6	137,41	39,95	73,54992	50,49960976	2,1	0	0		11,62553787
Burundi	2007	6	135,58	39,6	80,62894	51,02146341	1,9	0	0		10,02676773
Burundi	2008	6	133,81	39,41	90,83214	51,55658537	1,7	0	0	5,22064	7,859463692
Cambodia	1970	7	169,2	55,93		41,68039024		0	0		
Cambodia	1971	7	173,04	55,9		39,8172439		0	0		
Cambodia	1972	7	182,24	56,04		36,78270732		0	0		
Cambodia	1973	7	195,81	56,29		32,75717073		0	0		
Cambodia	1974	7	210,66	56,77		28,12282927		0	0		
Cambodia	1975	7	221,3	57,03		23,72797561		0	0		
Cambodia	1976	7	224,25	57,08		20,61487805		0	0		
Cambodia	1977	7	219,95	57,13		19,50492683		0	0		
Cambodia	1978	7	207,07	57,34		20,75046341		0	0		
Cambodia	1979	7	189,72	57,8		24,28978049		0	0		
Cambodia	1980	7	173,44	58,66		29,61353659		0	0		
Cambodia	1981	7	161,09	59,53		35,85634146		0	0		
Cambodia	1982	7	152,44	60,39		41,93231707		0	0		
Cambodia	1983	7	146,09	61,22		46,99368293		0	0		
Cambodia	1984	7	140,46	61,85		50,67680488		0	0		
Cambodia	1985	7	135,33	62,42		52,87914634		0	0		
Cambodia	1986	7	131,03	63,06		53,81734146		0	0		
Cambodia	1987	7	127,52	63,74		54,10068293		0	0		
Cambodia	1988	7	125,08	63,38		54,24092683		0	0		
Cambodia	1989	7	123,01	63,42		54,41917073		0	0		
Cambodia	1990	7	121,2	64,04		54,753	0,5	0	0		
Cambodia	1991	7	119,58	64,47		55,26436585	0,7	0	0		
Cambodia	1992	7	118,56	64,37		55,85426829	0,9	0	0		
Cambodia	1993	7	118,06	64,34		56,45414634	1	0	0		
Cambodia	1994	7	117,64	63,35		57,08107317	1,2	0	0		
Cambodia	1995	7	117,6	62,56		57,75165854	1,3	0	0		6,143167973
Cambodia	1996	7	117,9	60,88		58,47697561	1,4	0	0		9,450900078
Cambodia	1997	7	118,06	59,52	82,6833	59,25507317	1,4	0	0		7,954601765
Cambodia	1998	7	116,88	58,15	84,50249	60,08243902	1,3	0	0	1,2814	6,93572855
Cambodia	1999	7	112,88	57,75	86,44321	60,95853659	1,3	0	0	0,9953	6,170180321
Cambodia	2000	7	105,4	56,19	91,96241	61,88726829	1,2	0	0	1,72347	6,31444025
Cambodia	2001	7	95,62	54,86		62,87502439	1,2	0	0	1,78558	6,232200146
Cambodia	2002	7	85,64	53,15		63,90914634	1,1	0	0	1,78957	6,391430378

<i>Country name</i>	<i>Year</i>	<i>ID</i>	<i>Under-5 mortality</i>	<i>Shadow economy</i>	<i>School Enrolment</i>	<i>Life expectancy</i>	<i>HIV Prevalence</i>	<i>Level of development</i>	<i>Interaction term</i>	<i>Education Expenditure</i>	<i>Health Expenditure</i>
<i>cname</i>	<i>Year</i>	<i>id</i>	<i>Mortal</i>	<i>Sh_ec</i>	<i>Ed</i>	<i>L_e</i>	<i>HIV</i>	<i>Lev_of_dev</i>	<i>Inter_SE_LD</i>	<i>C_Exp_ed</i>	<i>C_exp_hl</i>
Cambodia	2003	7	77,33	51,85	97,35303	64,96756098	1	0	0		7,316207409
Cambodia	2004	7	70,82	50,34		66,02470732	0,9	0	0	1,79167	7,072933674
Cambodia	2005	7	66,36	49,23		67,04312195	0,8	0	0		6,945028782
Cambodia	2006	7	63,58	47,75	98,27808	67,98282927	0,8	0	0		5,364215851
Cambodia	2007	7	61,78	46	98,31492	68,82095122	0,7	0	0	1,67213	4,46749115
Cambodia	2008	7	60,61	44,36	98,1952	69,54404878	0,7	0	0		5,45994997
Central African Republic	1970	8	205,65	38,37		41,93741463		0	0		
Central African Republic	1971	8	201,76	38,27	49,8219	42,7164878		0	0		
Central African Republic	1972	8	198,43	38,07	52,32125	43,52609756		0	0		
Central African Republic	1973	8	195,38	37,81	54,49582	44,3457561		0	0		
Central African Republic	1974	8	192,75	38,08		45,15443902		0	0		
Central African Republic	1975	8	189,95	38,48		45,92958537		0	0		
Central African Republic	1976	8	187,53	39,02		46,65558537		0	0		
Central African Republic	1977	8	185,09	39,49	50,64818	47,31539024		0	0		
Central African Republic	1978	8	182,9	39,72	50,47585	47,89046341		0	0	3,16431	
Central African Republic	1979	8	180,84	40,01		48,36334146		0	0		
Central African Republic	1980	8	178,72	40,53		48,71109756		0	0		
Central African Republic	1981	8	176,7	41,29	55,27335	48,91582927		0	0		
Central African Republic	1982	8	174,71	42,11	56,9091	48,98163415		0	0		
Central African Republic	1983	8	172,94	42,45	58,57419	48,91768293		0	0		
Central African Republic	1984	8	171,36	42,4		48,73453659		0	0		
Central African Republic	1985	8	169,84	42,19		48,44180488		0	0		
Central African Republic	1986	8	168,53	41,92	61,16198	48,05156098		0	0	2,23666	
Central African Republic	1987	8	167,25	41,61	50,73702	47,58778049		0	0	2,57668	
Central African Republic	1988	8	166,05	41,47	48,4472	47,08090244		0	0		
Central African Republic	1989	8	164,99	41,43	48,53314	46,55892683		0	0		
Central African Republic	1990	8	163,77	41,38	57,5022	46,04782927	8,6	0	0	2,20689	
Central African Republic	1991	8	162,83	41,34	53,25805	45,56807317	8,9	0	0	2,25856	
Central African Republic	1992	8	162,02	41,46		45,12807317	9,2	0	0		
Central African Republic	1993	8	161,22	41,75		44,7377561	9,3	0	0		
Central African Republic	1994	8	160,4	41,88		44,41002439	9,4	0	0		
Central African Republic	1995	8	159,75	41,95		44,14878049	9,5	0	0		3,866631985
Central African Republic	1996	8	158,91	42,06		43,9514878	9,4	0	0		3,76863265
Central African Republic	1997	8	157,78	42,64		43,80712195	9,3	0	0		3,673104286
Central African Republic	1998	8	156,35	43,05		43,71260976	9,1	0	0		3,489366293
Central African Republic	1999	8	155,03	42,98		43,67087805	8,8	0	0	1,61922	3,92970252
Central African Republic	2000	8	153,46	43		43,69231707	8,5	0	0	1,6362	4,286230564
Central African Republic	2001	8	151,87	43,25		43,78739024	8,1	0	0		3,987582922
Central African Republic	2002	8	150,5	43,45		43,96358537	7,7	0	0	1,53356	4,206635952
Central African Republic	2003	8	149,13	43,85		44,22390244	7,3	0	0	1,54412	4,368515491

<i>Country name</i>	<i>Year</i>	<i>ID</i>	<i>Under-5 mortality</i>	<i>Shadow economy</i>	<i>School Enrolment</i>	<i>Life expectancy</i>	<i>HIV Prevalence</i>	<i>Level of development</i>	<i>Interaction term</i>	<i>Education Expenditure</i>	<i>Health Expenditure</i>
<i>cname</i>	<i>Year</i>	<i>id</i>	<i>Mortal</i>	<i>Sh_ec</i>	<i>Ed</i>	<i>L_e</i>	<i>HIV</i>	<i>Lev_of_dev</i>	<i>Inter_SE_LD</i>	<i>C_Exp_ed</i>	<i>C_exp_hl</i>
Central African Republic	2004	8	147,55	44,46		44,56782927	6,9	0	0	1,64299	4,14192152
Central African Republic	2005	8	145,85	44,96	49,48069	44,99592683	6,5	0	0	1,64918	4,356425285
Central African Republic	2006	8	144,27	45,27	49,81202	45,50819512	6,1	0	0	1,414	4,040734291
Central African Republic	2007	8	142,6	45,1	58,44265	46,0912439	5,7	0	0	1,32184	4,315182209
Central African Republic	2008	8	140,86	45,03	67,80253	46,72912195	5,4	0	0	1,30649	4,309570313
Chad	1970	9	259,99	63,35		41,30512195		0	0		
Chad	1971	9	259,07	63,38		41,76221951		0	0		
Chad	1972	9	258,29	63,49		42,20090244		0	0		
Chad	1973	9	257,45	63,37		42,60578049		0	0		
Chad	1974	9	256,64	63,55		42,97034146		0	0		
Chad	1975	9	255,74	62,84	24,20176	43,295		0	0		
Chad	1976	9	254,27	61,51		43,58809756		0	0		
Chad	1977	9	252,41	60,38	24,73126	43,86343902		0	0		
Chad	1978	9	250,46	59,88		44,13290244		0	0		
Chad	1979	9	248,13	59,48		44,40002439		0	0		
Chad	1980	9	245,4	59,32		44,66682927		0	0		
Chad	1981	9	242,46	59,25		44,93497561		0	0		
Chad	1982	9	239,26	59,66		45,19712195		0	0		
Chad	1983	9	235,84	59,99		45,44690244		0	0		
Chad	1984	9	232,16	59,7		45,67982927		0	0		
Chad	1985	9	228,37	59,3		45,88587805		0	0		
Chad	1986	9	224,52	58,94		46,05495122		0	0		
Chad	1987	9	220,73	58,74		46,18343902		0	0		
Chad	1988	9	217,27	58,56	33,4978	46,27178049		0	0		
Chad	1989	9	213,94	58,21		46,32397561		0	0		
Chad	1990	9	210,81	57,67		46,34858537	2,3	0	0		
Chad	1991	9	207,98	57,6		46,35668293	2,6	0	0		
Chad	1992	9	205,34	57,43		46,36039024	2,9	0	0		
Chad	1993	9	202,95	56,55		46,37126829	3,1	0	0		
Chad	1994	9	200,85	57		46,39587805	3,2	0	0		
Chad	1995	9	198,93	56,46		46,43329268	3,4	0	0		5,778592587
Chad	1996	9	197,01	57,64	37,45536	46,47753659	3,5	0	0		5,491214275
Chad	1997	9	194,96	57,49	42,85825	46,52207317	3,6	0	0		5,543437481
Chad	1998	9	193,03	56,19	48,01079	46,56682927	3,7	0	0		5,411524773
Chad	1999	9	191,08	54,93	49,95428	46,61773171	3,7	0	0		5,866445541
Chad	2000	9	188,99	55,32	51,62139	46,68717073	3,7	0	0		6,276642323
Chad	2001	9	187,13	54,83	52,8479	46,78702439	3,7	0	0		6,024365902
Chad	2002	9	185,21	50,93	56,25016	46,92970732	3,6	0	0		8,008750916
Chad	2003	9	183,09	47,18	57,75562	47,12314634	3,6	0	0		5,779843807
Chad	2004	9	181,15	46,2		47,36978049	3,5	0	0		5,100352764

<i>Country name</i>	<i>Year</i>	<i>ID</i>	<i>Under-5 mortality</i>	<i>Shadow economy</i>	<i>School Enrolment</i>	<i>Life expectancy</i>	<i>HIV Prevalence</i>	<i>Level of development</i>	<i>Interaction term</i>	<i>Education Expenditure</i>	<i>Health Expenditure</i>
<i>cname</i>	<i>Year</i>	<i>id</i>	<i>Mortal</i>	<i>Sh_ec</i>	<i>Ed</i>	<i>L_e</i>	<i>HIV</i>	<i>Lev_of_dev</i>	<i>Inter_SE_LD</i>	<i>C_Exp_ed</i>	<i>C_exp_hl</i>
Chad	2005	9	179,06	44,69		47,67156098	3,4	0	0		4,73025465
Chad	2006	9	176,93	42,97		48,028	3,3	0	0		4,028188705
Chad	2007	9	175,04	42,2		48,42717073	3,3	0	0		4,196293831
Chad	2008	9	172,94	41,62		48,85717073	3,2	0	0		3,571747065
Comoros	1970	10		39,47		47,70731707		0	0		
Comoros	1971	10		38,59		48,19609756		0	0		
Comoros	1972	10		37,8		48,67365854		0	0		
Comoros	1973	10		37,14		49,13268293		0	0		
Comoros	1974	10		36,5		49,57073171		0	0		
Comoros	1975	10		35,92		49,98682927		0	0		
Comoros	1976	10	176,19	35,36		50,38634146		0	0		
Comoros	1977	10	172,29	35,3		50,77756098		0	0		
Comoros	1978	10	168,38	34,82		51,16682927		0	0		
Comoros	1979	10	164,12	34,47		51,55804878		0	0		
Comoros	1980	10	159,46	34,15		51,95517073		0	0		
Comoros	1981	10	154,59	33,33		52,36265854		0	0		
Comoros	1982	10	149,69	33,1		52,77758537		0	0		
Comoros	1983	10	144,97	32,69	85,17816	53,196		0	0		
Comoros	1984	10	140,28	32,51		53,61092683		0	0		
Comoros	1985	10	135,77	31,7		54,01490244		0	0		
Comoros	1986	10	131,33	31,38	81,19547	54,396		0	0		
Comoros	1987	10	127,16	31,43	73,58346	54,7462439		0	0		
Comoros	1988	10	123,2	31,36		55,06314634		0	0		
Comoros	1989	10	119,35	31,43		55,34619512		0	0		
Comoros	1990	10	115,58	31,84		55,59941463	0,1	0	0		
Comoros	1991	10	111,85	32,06		55,8292439	0,1	0	0		
Comoros	1992	10	108,24	33,07		56,04812195	0,1	0	0		
Comoros	1993	10	104,72	33,01		56,26453659	0,1	0	0		
Comoros	1994	10	101,36	33,26	68,03081	56,48443902	0,1	0	0		
Comoros	1995	10	98,06	33,39		56,70980488	0,1	0	0		4,549519062
Comoros	1996	10	94,88	33,88		56,94214634	0,1	0	0		4,415214062
Comoros	1997	10	91,85	34,06		57,17646341	0,1	0	0		4,422341347
Comoros	1998	10	88,98	34,78		57,41129268	0,1	0	0	3,78902	3,975756645
Comoros	1999	10	86,1	35,07	68,0999	57,64509756	0,1	0	0		3,798014164
Comoros	2000	10	83,42	35,42	76,38125	57,87943902	0,1	0	0		3,480748415
Comoros	2001	10	80,95	35,99		58,11380488	0,1	0	0		2,830789089
Comoros	2002	10	78,53	36,69		58,34870732	0,1	0	0	3,82373	3,396682978
Comoros	2003	10	76,09	37,29		58,58314634	0,1	0	0		3,61136198
Comoros	2004	10	73,77	37,78		58,81804878	0,1	0	0		3,961018324
Comoros	2005	10	71,53	38,35		59,05239024	0,1	0	0		4,284728527

<i>Country name</i>	<i>Year</i>	<i>ID</i>	<i>Under-5 mortality</i>	<i>Shadow economy</i>	<i>School Enrolment</i>	<i>Life expectancy</i>	<i>HIV Prevalence</i>	<i>Level of development</i>	<i>Interaction term</i>	<i>Education Expenditure</i>	<i>Health Expenditure</i>
<i>cname</i>	<i>Year</i>	<i>id</i>	<i>Mortal</i>	<i>Sh_ec</i>	<i>Ed</i>	<i>L_e</i>	<i>HIV</i>	<i>Lev_of_dev</i>	<i>Inter_SE_LD</i>	<i>C_Exp_ed</i>	<i>C_exp_hl</i>
Comoros	2006	10	69,35	38,86		59,28604878	0,1	0	0		4,588963985
Comoros	2007	10	67,21	39,4	83,33229	59,519	0,1	0	0		4,917144775
Comoros	2008	10	65,27	39,83		59,74970732	0,1	0	0	7,63377	5,173974037
Congo, Democratic Republic	1970	11	241,6	41,31		43,84492683		0	0		
Congo, Democratic Republic	1971	11	238,69	41,04	69,31854	44,18390244		0	0		
Congo, Democratic Republic	1972	11	235,34	40,83	67,56385	44,49287805		0	0		
Congo, Democratic Republic	1973	11	231,87	40,59		44,76536585		0	0		
Congo, Democratic Republic	1974	11	228,68	40,49		44,99785366		0	0		
Congo, Democratic Republic	1975	11	225,41	40,4	70,22198	45,19685366		0	0	8,05009	
Congo, Democratic Republic	1976	11	222,07	40,38		45,37385366		0	0		
Congo, Democratic Republic	1977	11	218,6	40,33		45,54336585		0	0		
Congo, Democratic Republic	1978	11	215,04	40,29		45,71739024		0	0	8,97079	
Congo, Democratic Republic	1979	11	211,59	40,3	73,21923	45,89941463		0	0	7,63009	
Congo, Democratic Republic	1980	11	207,85	40,3		46,08843902		0	0	7,02478	
Congo, Democratic Republic	1981	11	204,3	40,37		46,27895122		0	0		
Congo, Democratic Republic	1982	11	200,86	40,38		46,46197561		0	0		
Congo, Democratic Republic	1983	11	197,21	40,46	75,59824	46,62997561		0	0		
Congo, Democratic Republic	1984	11	193,93	40,49	76,20875	46,77995122		0	0		
Congo, Democratic Republic	1985	11	191,11	40,6		46,91543902		0	0		
Congo, Democratic Republic	1986	11	188,87	40,67		47,04441463		0	0		
Congo, Democratic Republic	1987	11	186,88	40,73		47,16987805		0	0		
Congo, Democratic Republic	1988	11	185,49	40,86	64,4396	47,28685366		0	0		
Congo, Democratic Republic	1989	11	184,17	41,08		47,38731707		0	0		
Congo, Democratic Republic	1990	11	182,95	41,57		47,43878049		0	0		
Congo, Democratic Republic	1991	11	181,28	40,5	60,96905	47,40526829		0	0		
Congo, Democratic Republic	1992	11	179,59	40,64	59,1137	47,27226829		0	0		
Congo, Democratic Republic	1993	11	177,66	41,03	57,9373	47,04726829		0	0		
Congo, Democratic Republic	1994	11	175,43	41,48	59,00851	46,75229268		0	0	7,44559	
Congo, Democratic Republic	1995	11	173,1	42,51	66,81747	46,44031707		0	0	8,45914	3,680089951
Congo, Democratic Republic	1996	11	170,33	42,51		46,17690244		0	0		3,405986071
Congo, Democratic Republic	1997	11	167,39	42,31		46,01702439		0	0		4,067534924
Congo, Democratic Republic	1998	11	165,12	42,6		45,99363415		0	0	5,36384	4,739758492
Congo, Democratic Republic	1999	11	165,12	43,39	36,21061	46,1132439		0	0		4,249218464
Congo, Democratic Republic	2000	11	165,12	43,74		46,35573171		0	0		4,772602081
Congo, Democratic Republic	2001	11	165,12	45,65		46,67804878		0	0		4,325712681
Congo, Democratic Republic	2002	11	165,12	45,88		47,01914634		0	0	4,45834	4,220451832
Congo, Democratic Republic	2003	11	165,12	46,25		47,3314878		0	0	3,84564	5,084908485
Congo, Democratic Republic	2004	11	144,71	46,51		47,59912195		0	0	3,36425	5,357833862
Congo, Democratic Republic	2005	11	142,05	46,71		47,82160976		0	0	2,77121	5,2977705
Congo, Democratic Republic	2006	11	139,39	46,78		48,01553659		0	0		5,547460079

<i>Country name</i>	<i>Year</i>	<i>ID</i>	<i>Under-5 mortality</i>	<i>Shadow economy</i>	<i>School Enrolment</i>	<i>Life expectancy</i>	<i>HIV Prevalence</i>	<i>Level of development</i>	<i>Interaction term</i>	<i>Education Expenditure</i>	<i>Health Expenditure</i>
<i>cname</i>	<i>Year</i>	<i>id</i>	<i>Mortal</i>	<i>Sh_ec</i>	<i>Ed</i>	<i>L_e</i>	<i>HIV</i>	<i>Lev_of_dev</i>	<i>Inter_SE_LD</i>	<i>C_Exp_ed</i>	<i>C_exp_hl</i>
Congo, Democratic Republic	2007	11	137,04	46,7		48,2135122		0	0		5,883934498
Congo, Democratic Republic	2008	11	135,01	46,56		48,43958537		0	0		7,333106995
Equatorial Guinea	1970	12	209,57			39,73492683		0	0		
Equatorial Guinea	1971	12	208,3			40,03395122		0	0		
Equatorial Guinea	1972	12	206,78			40,331		0	0		
Equatorial Guinea	1973	12	205,22			40,62704878		0	0		
Equatorial Guinea	1974	12	203,15			40,92456098		0	0		
Equatorial Guinea	1975	12	201,1			41,22702439		0	0		
Equatorial Guinea	1976	12	199,31			41,53885366		0	0		
Equatorial Guinea	1977	12	197,52			41,86256098		0	0		
Equatorial Guinea	1978	12	195,3			42,19914634		0	0		
Equatorial Guinea	1979	12	193,11			42,54812195		0	0		
Equatorial Guinea	1980	12	191,11			42,90958537		0	0		
Equatorial Guinea	1981	12	189,25			43,27960976		0	0		
Equatorial Guinea	1982	12	187,46			43,65529268		0	0		
Equatorial Guinea	1983	12	185,7			44,03065854		0	0		
Equatorial Guinea	1984	12	184,02			44,40373171		0	0		
Equatorial Guinea	1985	12	182,22			44,77346341		0	0		
Equatorial Guinea	1986	12	180,67			45,14226829		0	0		
Equatorial Guinea	1987	12	179,53			45,51056098		0	0		
Equatorial Guinea	1988	12	178,68			45,87329268		0	0		
Equatorial Guinea	1989	12	178,59			46,22492683		0	0		
Equatorial Guinea	1990	12	178,66			46,5554878	0,9	0	0		
Equatorial Guinea	1991	12	178,7			46,85353659	1	0	0		
Equatorial Guinea	1992	12	178,84			47,11160976	1,1	0	0		
Equatorial Guinea	1993	12	179,11			47,32678049	1,2	0	0		
Equatorial Guinea	1994	12	179,14		81,35561	47,49809756	1,4	0	0		
Equatorial Guinea	1995	12	179,43			47,62158537	1,5	0	0		5,891578674
Equatorial Guinea	1996	12	179,7	74,45		47,69280488	1,6	0	0		4,679228306
Equatorial Guinea	1997	12	180,02	61,31		47,7242439	1,8	0	0		4,168855667
Equatorial Guinea	1998	12	180	52,77		47,73334146	1,9	0	0	2,00286	5,242453098
Equatorial Guinea	1999	12	180,21	47,48		47,73753659	2,1	0	0		2,481607914
Equatorial Guinea	2000	12	180,3	43,43	68,02352	47,76370732	2,3	0	0	0,96473	2,356682539
Equatorial Guinea	2001	12	180,14	40,08	75,71468	47,83773171	2,5	0	0	1,16779	1,542036533
Equatorial Guinea	2002	12	180,18	36,46	74,03042	47,9765122	2,6	0	0	1,1146	1,828962088
Equatorial Guinea	2003	12	180,14	35,54	70,71533	48,19097561	2,8	0	0		1,950350404
Equatorial Guinea	2004	12	180,36	33,45		48,48709756	3	0	0		2,134796619
Equatorial Guinea	2005	12	180,47	31,96		48,86836585	3,3	0	0		1,612904072
Equatorial Guinea	2006	12	180,59	31,14		49,32782927	3,5	0	0		2,299032688
Equatorial Guinea	2007	12	180,7	30,1		49,84507317	3,7	0	0		2,358800411

<i>Country name</i>	<i>Year</i>	<i>ID</i>	<i>Under-5 mortality</i>	<i>Shadow economy</i>	<i>School Enrolment</i>	<i>Life expectancy</i>	<i>HIV Prevalence</i>	<i>Level of development</i>	<i>Interaction term</i>	<i>Education Expenditure</i>	<i>Health Expenditure</i>
<i>cname</i>	<i>Year</i>	<i>id</i>	<i>Mortal</i>	<i>Sh_ec</i>	<i>Ed</i>	<i>L_e</i>	<i>HIV</i>	<i>Lev_of_dev</i>	<i>Inter_SE_LD</i>	<i>C_Exp_ed</i>	<i>C_exp_hl</i>
Equatorial Guinea	2008	12	180,36	28,8	56,13765	50,39573171	3,9	0	0		3,370478868
Eritrea	1970	13				40,5235122		0	0		
Eritrea	1971	13				40,89121951		0	0		
Eritrea	1972	13				41,24885366		0	0		
Eritrea	1973	13				41,59229268		0	0		
Eritrea	1974	13				41,91692683		0	0		
Eritrea	1975	13				42,21463415		0	0		
Eritrea	1976	13				42,47673171		0	0		
Eritrea	1977	13				42,70814634		0	0		
Eritrea	1978	13				42,91678049		0	0		
Eritrea	1979	13				43,11504878		0	0		
Eritrea	1980	13				43,31992683		0	0		
Eritrea	1981	13				43,54992683		0	0		
Eritrea	1982	13				43,82263415		0	0		
Eritrea	1983	13				44,15014634		0	0		
Eritrea	1984	13				44,54502439		0	0		
Eritrea	1985	13				45,01131707		0	0		
Eritrea	1986	13				45,55058537		0	0		
Eritrea	1987	13				46,15185366		0	0		
Eritrea	1988	13				46,80314634		0	0		
Eritrea	1989	13				47,49802439		0	0		
Eritrea	1990	13				48,23595122	0,2	0	0		
Eritrea	1991	13				49,0184878	0,2	0	0		
Eritrea	1992	13		46,97	19,62263	49,84004878	0,3	0	0		
Eritrea	1993	13	125,99	47,26		50,68968293	0,4	0	0		
Eritrea	1994	13	120,96	46,55	22,3276	51,55134146	0,5	0	0		
Eritrea	1995	13	116,43	44,67	23,25977	52,40460976	0,8	0	0		4,514733791
Eritrea	1996	13	112,44	45,2	24,615	53,22853659	0,9	0	0	1,65694	3,65162158
Eritrea	1997	13	108,92	45,08	24,79612	54,00960976	1	0	0		4,198480606
Eritrea	1998	13	105,92	42,39		54,73934146	1,1	0	0	4,59403	4,293282032
Eritrea	1999	13	103,16	40,71	28,98689	55,41168293	1,1	0	0	5,21664	4,666855812
Eritrea	2000	13	100,56	38,93	33,21482	56,02653659	1,1	0	0		4,526073933
Eritrea	2001	13	98,17	39,73	34,47675	56,58985366	1,1	0	0	4,05989	3,922325134
Eritrea	2002	13	95,69	39,43	38,35784	57,119	1	0	0	3,55363	3,998727083
Eritrea	2003	13	93,41	38,8	41,82392	57,62843902	1	0	0	3,51769	3,229278803
Eritrea	2004	13	91,22	39,3	43,43197	58,12819512	0,9	0	0	3,193	2,949447393
Eritrea	2005	13	88,87	39,51	44,11992	58,62678049	0,9	0	0		2,825829268
Eritrea	2006	13	86,71	40,47	42,88267	59,1292439	0,8	0	0	2,14239	3,226407528
Eritrea	2007	13	84,48	41,4	38,39556	59,63621951	0,8	0	0		3,29155159
Eritrea	2008	13	82,28	42,32	35,13635	60,1472439	0,7	0	0		3,398312569

<i>Country name</i>	<i>Year</i>	<i>ID</i>	<i>Under-5 mortality</i>	<i>Shadow economy</i>	<i>School Enrolment</i>	<i>Life expectancy</i>	<i>HIV Prevalence</i>	<i>Level of development</i>	<i>Interaction term</i>	<i>Education Expenditure</i>	<i>Health Expenditure</i>
<i>cname</i>	<i>Year</i>	<i>id</i>	<i>Mortal</i>	<i>Sh_ec</i>	<i>Ed</i>	<i>L_e</i>	<i>HIV</i>	<i>Lev_of_dev</i>	<i>Inter_SE_LD</i>	<i>C_Exp_ed</i>	<i>C_exp_hl</i>
Ethiopia	1970	14	255,36	39,99		42,93990244		0	0		
Ethiopia	1971	14	253,09	39,77		43,211		0	0		
Ethiopia	1972	14	251,1	39,46		43,46302439		0	0		
Ethiopia	1973	14	249,92	39,08		43,69153659		0	0		
Ethiopia	1974	14	248,56	38,9		43,89153659		0	0		
Ethiopia	1975	14	247,35	38,8		44,04002439		0	0		
Ethiopia	1976	14	246,2	38,73		44,11104878		0	0		
Ethiopia	1977	14	244,56	38,88		44,09863415		0	0		
Ethiopia	1978	14	242,77	38,94		44,01280488		0	0		
Ethiopia	1979	14	240,16	39,21		43,87953659		0	0		
Ethiopia	1980	14	237,14	39,14		43,74680488		0	0		
Ethiopia	1981	14	233,99	39,15		43,67356098		0	0		
Ethiopia	1982	14	230,78	39,09		43,70529268		0	0	2,13063	
Ethiopia	1983	14	227,92	38,77		43,8684878		0	0	2,32239	
Ethiopia	1984	14	225,26	38,51		44,16860976		0	0	2,13162	
Ethiopia	1985	14	222,7	37,99		44,58370732		0	0	2,36112	
Ethiopia	1986	14	219,36	37,77		45,07480488		0	0	2,16191	
Ethiopia	1987	14	215,36	37,45	29,48449	45,58492683		0	0		
Ethiopia	1988	14	211,15	37,18	30,05484	46,07314634		0	0		
Ethiopia	1989	14	206,65	36,58	28,7673	46,52597561		0	0		
Ethiopia	1990	14	201,92	36,08		46,94495122	1,3	0	0		
Ethiopia	1991	14	196,57	36,23		47,34612195	1,6	0	0		
Ethiopia	1992	14	190,72	36,63		47,76246341	2	0	0		
Ethiopia	1993	14	184,4	36,91		48,21795122	2,4	0	0	2,38687	
Ethiopia	1994	14	177,54	36,94	19,20602	48,71807317	2,8	0	0		
Ethiopia	1995	14	170,58	36,91	21,97913	49,25834146	3,1	0	0		2,810909271
Ethiopia	1996	14	163,5	36,84	26,25504	49,82621951	3,3	0	0	2,81825	2,940959454
Ethiopia	1997	14	156,37	36,85		50,40668293	3,5	0	0	2,79342	3,092199802
Ethiopia	1998	14	149,52	36,88	33,80566	50,99663415	3,7	0	0		3,618413687
Ethiopia	1999	14	143,02	36,81	35,82835	51,601	3,7	0	0		3,892090082
Ethiopia	2000	14	136,93	36,8	40,30041	52,24114634	3,7	0	0	3,94524	4,299515247
Ethiopia	2001	14	131,34	36,87	44,0084	52,94695122	3,6	0	0	3,75631	4,731557846
Ethiopia	2002	14	126,49	36,69	46,06343	53,73487805	3,4	0	0	3,6834	4,713237286
Ethiopia	2003	14	122,23	36,32	46,76972	54,60885366	3,2	0	0		4,910366535
Ethiopia	2004	14	118,4	36,57	49,60605	55,56134146	2,9	0	0		4,330630302
Ethiopia	2005	14	114,9	36,28	60,52637	56,57180488	2,6	0	0		4,111322403
Ethiopia	2006	14	111,8	35,77	65,32383	57,61521951	2,4	0	0	5,54922	4,182994843
Ethiopia	2007	14	108,84	35,1	70,45277	58,65365854	2,1	0	0	5,50692	4,780793667
Ethiopia	2008	14	106,31	34,26	76,24519	59,65626829	1,9	0	0	5,44576	4,313519478
Gambia	1970	15	291,01	60,65		37,87056098		0	0		

<i>Country name</i>	<i>Year</i>	<i>ID</i>	<i>Under-5 mortality</i>	<i>Shadow economy</i>	<i>School Enrolment</i>	<i>Life expectancy</i>	<i>HIV Prevalence</i>	<i>Level of development</i>	<i>Interaction term</i>	<i>Education Expenditure</i>	<i>Health Expenditure</i>
<i>cname</i>	<i>Year</i>	<i>id</i>	<i>Mortal</i>	<i>Sh_ec</i>	<i>Ed</i>	<i>L_e</i>	<i>HIV</i>	<i>Lev_of_dev</i>	<i>Inter_SE_LD</i>	<i>C_Exp_ed</i>	<i>C_exp_hl</i>
Gambia	1971	15	283,43	61,61	24,06668	38,73741463		0	0		
Gambia	1972	15	276,84	60,94	23,30106	39,6137561		0	0		
Gambia	1973	15	269,31	60,33	24,27941	40,49012195		0	0		
Gambia	1974	15	262,22	60,86	24,49389	41,35697561		0	0		
Gambia	1975	15	254,65	61,98	25,43635	42,21036585		0	0		
Gambia	1976	15	246,64	62,53	26,73044	43,05326829		0	0		
Gambia	1977	15	237,89	62,16	31,02431	43,88868293		0	0		
Gambia	1978	15	228,81	60,66	33,94899	44,72009756		0	0		
Gambia	1979	15	219,5	59,87	37,51255	45,54202439		0	0		
Gambia	1980	15	209,77	59,21	42,02401	46,35095122		0	0		
Gambia	1981	15	200,49	58,39	50,66744	47,14687805		0	0		
Gambia	1982	15	191,56	58,24	54,266	47,92229268		0	0		
Gambia	1983	15	183,27	58,62	57,4883	48,66870732		0	0		
Gambia	1984	15	175,96	58,66	59,09269	49,37712195		0	0		
Gambia	1985	15	169,05	58,88	61,67187	50,03104878		0	0	4,26987	
Gambia	1986	15	163,05	59,47	61,07201	50,613		0	0	3,61028	
Gambia	1987	15	157,56	59,71		51,11846341		0	0		
Gambia	1988	15	152,8	59,67		51,54846341		0	0		
Gambia	1989	15	148,99	57,87		51,91046341		0	0	2,91667	
Gambia	1990	15	146,01	56	47,79297	52,217	0,1	0	0	3,00402	
Gambia	1991	15	143,82	54,99		52,48604878	0,2	0	0	4,11136	
Gambia	1992	15	142,05	53,82	45,9947	52,73909756	0,2	0	0	1,205	
Gambia	1993	15	140,48	52,22	49,30643	52,99512195	0,2	0	0		
Gambia	1994	15	139,11	50,99		53,26514634	0,3	0	0		
Gambia	1995	15	137,31	50,3		53,55617073	0,3	0	0	2,61677	4,526134491
Gambia	1996	15	135,23	49,22	59,46372	53,86765854	0,4	0	0	2,61744	4,305792809
Gambia	1997	15	132,51	48,43		54,19068293	0,5	0	0		4,185911655
Gambia	1998	15	129,29	48,16	63,50974	54,51668293	0,5	0	0		4,351326942
Gambia	1999	15	125,36	47,97	74,11516	54,84419512	0,6	0	0	1,62265	4,359791279
Gambia	2000	15	120,78	47,79	71,66952	55,17121951	0,7	0	0	1,52475	4,480766773
Gambia	2001	15	115,56	47,27	72,66359	55,4977561	0,8	0	0	1,21321	4,558699608
Gambia	2002	15	110,23	46,67	70,56472	55,82129268	0,9	0	0	1,5301	3,750926018
Gambia	2003	15	105,26	46,43	73,93105	56,14185366	1,1	0	0	1,4523	4,219048023
Gambia	2004	15	100,31	46,1	74,45255	56,45590244	1,2	0	0	1,07273	4,351971149
Gambia	2005	15	95,93	45,04	71,58521	56,76192683	1,3	0	0	1,18166	4,548333645
Gambia	2006	15	91,96	42,79	75,87848	57,05792683	1,3	0	0	1,25764	4,714800835
Gambia	2007	15	88,78	40,9	74,09001	57,34387805	1,4	0	0	1,35228	4,090282917
Gambia	2008	15	85,54	39,26	70,04625	57,61880488	1,4	0	0	3,62362	4,12020874
Guinea	1970	16	318,91	50,26		36,6434878		0	0		
Guinea	1971	16	314,39	50,33		36,92043902		0	0		

<i>Country name</i>	<i>Year</i>	<i>ID</i>	<i>Under-5 mortality</i>	<i>Shadow economy</i>	<i>School Enrolment</i>	<i>Life expectancy</i>	<i>HIV Prevalence</i>	<i>Level of development</i>	<i>Interaction term</i>	<i>Education Expenditure</i>	<i>Health Expenditure</i>
<i>cname</i>	<i>Year</i>	<i>id</i>	<i>Mortal</i>	<i>Sh_ec</i>	<i>Ed</i>	<i>L_e</i>	<i>HIV</i>	<i>Lev_of_dev</i>	<i>Inter_SE_LD</i>	<i>C_Exp_ed</i>	<i>C_exp_hl</i>
Guinea	1972	16	309,78	50,34		37,242		0	0		
Guinea	1973	16	305,09	50,33		37,6092439		0	0		
Guinea	1974	16	300,56	50,32		38,02468293		0	0		
Guinea	1975	16	295,88	50,25		38,48326829		0	0		
Guinea	1976	16	291,47	50,17		38,97695122		0	0		
Guinea	1977	16	286,98	49,99		39,49963415		0	0		
Guinea	1978	16	282,55	49,9		40,05026829		0	0		
Guinea	1979	16	278,17	49,73		40,63080488		0	0		
Guinea	1980	16	273,98	49,63		41,25878049		0	0		
Guinea	1981	16	269,58	49,54		41,95570732		0	0		
Guinea	1982	16	265,14	49,4		42,73117073		0	0		
Guinea	1983	16	260,63	49,3		43,58319512		0	0		
Guinea	1984	16	255,97	49,43	28,11259	44,49636585		0	0		
Guinea	1985	16	251,38	49,71	31,12905	45,45473171		0	0		
Guinea	1986	16	246,65	49,76	28,72378	46,43534146		0	0		
Guinea	1987	16	241,89	49,41	26,4847	47,40519512		0	0		
Guinea	1988	16	236,92	48,95	27,39959	48,32931707		0	0		
Guinea	1989	16	231,93	48,35	27,12801	49,17819512		0	0		
Guinea	1990	16	226,82	47,99	26,11164	49,91885366	0,7	0	0		
Guinea	1991	16	221,5	47,11	27,87017	50,52734146	0,8	0	0	2,1338	
Guinea	1992	16	216,26	46,37		51,00409756	0,9	0	0	2,09631	
Guinea	1993	16	210,75	45,7		51,35553659	1	0	0	2,14288	
Guinea	1994	16	205,44	45,08		51,58758537	1,1	0	0		
Guinea	1995	16	200,24	44,57		51,69968293	1,2	0	0		5,541950703
Guinea	1996	16	195,15	44,07		51,69780488	1,3	0	0		5,605220318
Guinea	1997	16	189,84	43,41		51,60934146	1,4	0	0		5,55599279
Guinea	1998	16	184,56	42,89	39,31117	51,47517073	1,4	0	0		5,659427166
Guinea	1999	16	179,33	42,62	41,7557	51,33563415	1,5	0	0	2,41655	5,624800205
Guinea	2000	16	174,21	42,26	44,83125	51,24992683	1,5	0	0	2,6583	5,645368099
Guinea	2001	16	169,01	41,84	48,36711	51,27629268	1,5	0	0	2,148	5,88267231
Guinea	2002	16	163,99	41,79	55,83514	51,44063415	1,6	0	0	2,62288	6,05271101
Guinea	2003	16	159,21	41,81	59,40902	51,74902439	1,6	0	0	2,55282	4,894237518
Guinea	2004	16	154,79	41,4	62,59013	52,19458537	1,6	0	0	2,3865	5,255486488
Guinea	2005	16	150,57	40,85	64,54375	52,74512195	1,5	0	0	2,04325	5,32184267
Guinea	2006	16	146,56	39,97	66,52865	53,34953659	1,5	0	0		5,486131191
Guinea	2007	16	142,78	39,2	68,2504	53,94370732	1,5	0	0		6,265023708
Guinea	2008	16	139,12	38,51	67,55844	54,47843902	1,5	0	0	2,75786	5,998637676
Guinea-Bissau	1970	17		45,93		44,03980488		0	0		
Guinea-Bissau	1971	17		44,27		44,19536585		0	0		
Guinea-Bissau	1972	17		43,24		44,35007317		0	0		

<i>Country name</i>	<i>Year</i>	<i>ID</i>	<i>Under-5 mortality</i>	<i>Shadow economy</i>	<i>School Enrolment</i>	<i>Life expectancy</i>	<i>HIV Prevalence</i>	<i>Level of development</i>	<i>Interaction term</i>	<i>Education Expenditure</i>	<i>Health Expenditure</i>
<i>cname</i>	<i>Year</i>	<i>id</i>	<i>Mortal</i>	<i>Sh_ec</i>	<i>Ed</i>	<i>L_e</i>	<i>HIV</i>	<i>Lev_of_dev</i>	<i>Inter_SE_LD</i>	<i>C_Exp_ed</i>	<i>C_exp_hl</i>
Guinea-Bissau	1973	17		42,72		44,50646341		0	0		
Guinea-Bissau	1974	17		42,67		44,66858537		0	0		
Guinea-Bissau	1975	17	276,9	43,57		44,83939024		0	0		
Guinea-Bissau	1976	17	273,75	44,3		45,02082927		0	0		
Guinea-Bissau	1977	17	270,84	44,75		45,21380488		0	0		
Guinea-Bissau	1978	17	268	44,7		45,42073171		0	0		
Guinea-Bissau	1979	17	265,18	44,46		45,64258537		0	0		
Guinea-Bissau	1980	17	262,44	43,58		45,88082927		0	0		
Guinea-Bissau	1981	17	259,84	43,62	42,74092	46,135		0	0		
Guinea-Bissau	1982	17	257,04	43,64	45,79421	46,40612195		0	0		
Guinea-Bissau	1983	17	254,44	43,47		46,69121951		0	0		
Guinea-Bissau	1984	17	251,82	43,31	39,95851	46,99034146		0	0		
Guinea-Bissau	1985	17	249,1	43,43	40,51858	47,30443902		0	0		
Guinea-Bissau	1986	17	246,24	43,3		47,63597561		0	0		
Guinea-Bissau	1987	17	243,09	43,45	37,82646	47,98495122		0	0		
Guinea-Bissau	1988	17	240,04	43,31	38,77637	48,34492683		0	0		
Guinea-Bissau	1989	17	236,75	42,83		48,7115122		0	0		
Guinea-Bissau	1990	17	233,25	42,57		49,07382927	0,3	0	0		
Guinea-Bissau	1991	17	229,33	42,35		49,42353659	0,3	0	0		
Guinea-Bissau	1992	17	224,77	42,57		49,75173171	0,4	0	0		
Guinea-Bissau	1993	17	220,36	40,39		50,05404878	0,5	0	0		
Guinea-Bissau	1994	17	215,96	39,79		50,32702439	0,5	0	0		
Guinea-Bissau	1995	17	211,65	39,67		50,56785366	0,6	0	0		6,431910992
Guinea-Bissau	1996	17	207,4	39,63		50,7772439	0,7	0	0		6,950654984
Guinea-Bissau	1997	17	203,1	39,35		50,96209756	0,8	0	0		6,719587803
Guinea-Bissau	1998	17	198,92	39,31		51,13063415	1	0	0		7,061761379
Guinea-Bissau	1999	17	194,94	39,38		51,29046341	1,1	0	0	5,60316	5,755360603
Guinea-Bissau	2000	17	191,1	39,22	49,21368	51,44692683	1,2	0	0		4,935674191
Guinea-Bissau	2001	17	187,41	39,64		51,6097561	1,4	0	0		5,038888454
Guinea-Bissau	2002	17	183,98	39,61		51,7815122	1,5	0	0		5,83810997
Guinea-Bissau	2003	17	180,51	40,16		51,96643902	1,6	0	0		5,775856018
Guinea-Bissau	2004	17	177,11	40,53		52,16609756	1,7	0	0		5,309159756
Guinea-Bissau	2005	17	173,79	40,9		52,38085366	1,9	0	0		5,715524673
Guinea-Bissau	2006	17	170,68	41,26		52,60829268	2	0	0		5,885366917
Guinea-Bissau	2007	17	167,61	41,6		52,84370732	2,1	0	0		6,085371017
Guinea-Bissau	2008	17	164,55	41,44		53,08173171	2,2	0	0		6,007282257
Laos	1970	19	218,85	44,84				0	0		
Laos	1971	19	215,56	45,35				0	0		
Laos	1972	19	211,48	45,69				0	0		
Laos	1973	19	207,13	46,34				0	0		

<i>Country name</i>	<i>Year</i>	<i>ID</i>	<i>Under-5 mortality</i>	<i>Shadow economy</i>	<i>School Enrolment</i>	<i>Life expectancy</i>	<i>HIV Prevalence</i>	<i>Level of development</i>	<i>Interaction term</i>	<i>Education Expenditure</i>	<i>Health Expenditure</i>
<i>cname</i>	<i>Year</i>	<i>id</i>	<i>Mortal</i>	<i>Sh_ec</i>	<i>Ed</i>	<i>L_e</i>	<i>HIV</i>	<i>Lev_of_dev</i>	<i>Inter_SE_LD</i>	<i>C_Exp_ed</i>	<i>C_exp_hl</i>
Laos	1974	19	203,44	46,53				0	0		
Laos	1975	19	199,78	46,94				0	0		
Laos	1976	19	196,71	46,97				0	0		
Laos	1977	19	193,08	46,55				0	0		
Laos	1978	19	190,34	46,4				0	0		
Laos	1979	19	187,36	45,98				0	0		
Laos	1980	19	184,69	46,68				0	0		
Laos	1981	19	181,78	47,59				0	0		
Laos	1982	19	178,83	47,67				0	0		
Laos	1983	19	175,91	47,51				0	0		
Laos	1984	19	172,68	47,69				0	0		
Laos	1985	19	168,87	48,58				0	0		
Laos	1986	19	164,93	48,09				0	0		
Laos	1987	19	160,35	47,79				0	0		
Laos	1988	19	155,44	46,88				0	0		
Laos	1989	19	150	45,92				0	0		
Laos	1990	19	144,51	46,5				0	0		
Laos	1991	19	139,1	47,62				0	0		
Laos	1992	19	134,05	47,16				0	0		
Laos	1993	19	128,57	46,38				0	0		
Laos	1994	19	123,82	45,71				0	0		
Laos	1995	19	119,08	44,82				0	0		
Laos	1996	19	114,53	43,67				0	0		
Laos	1997	19	110,39	43,58				0	0		
Laos	1998	19	106,28	42,13				0	0		
Laos	1999	19	102,15	39,25				0	0		
Laos	2000	19	98,33	37,26				0	0		
Laos	2001	19	94,82	36,03				0	0		
Laos	2002	19	91,38	34,46				0	0		
Laos	2003	19	88,21	32,66				0	0		
Laos	2004	19	85,22	31,12				0	0		
Laos	2005	19	82,01	29,84				0	0		
Laos	2006	19	79,34	28,58				0	0		
Laos	2007	19	76,08	28				0	0		
Laos	2008	19	73,16	26,48				0	0		
Lesotho	1970	20	171,98	57,93	60,08742	48,90821951		0	0		
Lesotho	1971	20	167,23	57,74	56,15153	49,17987805		0	0		
Lesotho	1972	20	161,91	57,34	56,79587	49,50402439		0	0		
Lesotho	1973	20	156,09	56,6	57,21928	49,87514634		0	0		
Lesotho	1974	20	149,75	55,18	65,16911	50,29370732		0	0		

<i>Country name</i>	<i>Year</i>	<i>ID</i>	<i>Under-5 mortality</i>	<i>Shadow economy</i>	<i>School Enrolment</i>	<i>Life expectancy</i>	<i>HIV Prevalence</i>	<i>Level of development</i>	<i>Interaction term</i>	<i>Education Expenditure</i>	<i>Health Expenditure</i>
<i>cname</i>	<i>Year</i>	<i>id</i>	<i>Mortal</i>	<i>Sh_ec</i>	<i>Ed</i>	<i>L_e</i>	<i>HIV</i>	<i>Lev_of_dev</i>	<i>Inter_SE_LD</i>	<i>C_Exp_ed</i>	<i>C_exp_hl</i>
Lesotho	1975	20	143,18	54,06		50,76221951		0	0		
Lesotho	1976	20	136,67	52,41	66,20592	51,28314634		0	0		
Lesotho	1977	20	130,12	49,73	67,22316	51,8474878		0	0		
Lesotho	1978	20	124,04	46,72	60,85758	52,44378049		0	0		
Lesotho	1979	20	118,54	44,74	62,17437	53,05753659		0	0		
Lesotho	1980	20	113,95	42,98	62,60276	53,66831707		0	0		
Lesotho	1981	20	110,24	42,14	62,89812	54,25419512		0	0		
Lesotho	1982	20	107,16	41,3	67,07022	54,80468293		0	0		
Lesotho	1983	20	104,55	40,8	66,5307	55,31380488		0	0	5,23037	
Lesotho	1984	20	102,44	40,7	67,48051	55,782		0	0	3,3681	
Lesotho	1985	20	100,55	40,29	69,90938	56,25263415		0	0	3,71687	
Lesotho	1986	20	98,77	39,72	70,3156	56,78856098		0	0		
Lesotho	1987	20	97,24	39,56	72,17201	57,40765854		0	0		
Lesotho	1988	20	95,93	39,41	73,55568	58,08695122		0	0	4,11989	
Lesotho	1989	20	95,06	38,72	72,92741	58,76753659		0	0	3,79174	
Lesotho	1990	20	94,46	37,57	71,75871	59,33109756	0,8	0	0		
Lesotho	1991	20	94,2	36,14	73,31247	59,63639024	1,5	0	0		
Lesotho	1992	20	94,49	34,6	73,60533	59,57765854	2,9	0	0		
Lesotho	1993	20	95,21	33,51	71,18844	59,09509756	5,2	0	0	6,47222	
Lesotho	1994	20	96,26	32,68	72,33986	58,18029268	8,6	0	0	5,5715	
Lesotho	1995	20	97,66	31,98	71,23164	56,83787805	12,9	0	0	6,99901	7,462703228
Lesotho	1996	20	99,26	31,37	71,43348	55,10692683	17	0	0		7,497284889
Lesotho	1997	20	100,91	30,72		53,1267561	20,1	0	0	9,46029	6,718778133
Lesotho	1998	20	102,46	30,13	63,27365	51,05507317	22,1	0	0		6,849847794
Lesotho	1999	20	103,79	29,79	59,38755	49,02260976	23,1	0	0	10,71542	6,759488583
Lesotho	2000	20	104,86	29,48	80,20091	47,18297561	23,4	0	0	8,49838	6,915275574
Lesotho	2001	20	105,62	29,27	80,2861	45,67168293	23,4	0	0	8,19129	7,528905392
Lesotho	2002	20	105,86	29,11	80,49824	44,5434878	23,3	0	0	7,75731	6,907830238
Lesotho	2003	20	105,85	28,95	80,61289	43,8247561	23,1	0	0	10,21142	7,129190922
Lesotho	2004	20	105,35	28,84	78,10929	43,53346341	22,9	0	0	8,77239	6,964387894
Lesotho	2005	20	104,28	28,55	77,21701	43,65773171	22,8	0	0	10,16518	6,295743942
Lesotho	2006	20	103,19	28,74	74,28612	44,14834146	22,7	0	0	10,14258	7,114948273
Lesotho	2007	20	101,72	28,8	74,92608	44,88221951	22,7	0	0		8,467988968
Lesotho	2008	20	100,25	28,71	76,01654	45,7392439	22,8	0	0	10,26432	8,85097599
Liberia	1970	21	271,6	30,89		39,30214634		0	0		
Liberia	1971	21	268,45	30,76		39,91353659		0	0		
Liberia	1972	21	265,48	30,62		40,56614634		0	0		
Liberia	1973	21	261,86	30,66		41,26009756		0	0		
Liberia	1974	21	258,08	30,71		41,98439024		0	0		
Liberia	1975	21	254,35	30,25		42,72565854		0	0		

<i>Country name</i>	<i>Year</i>	<i>ID</i>	<i>Under-5 mortality</i>	<i>Shadow economy</i>	<i>School Enrolment</i>	<i>Life expectancy</i>	<i>HIV Prevalence</i>	<i>Level of development</i>	<i>Interaction term</i>	<i>Education Expenditure</i>	<i>Health Expenditure</i>
<i>cname</i>	<i>Year</i>	<i>id</i>	<i>Mortal</i>	<i>Sh_ec</i>	<i>Ed</i>	<i>L_e</i>	<i>HIV</i>	<i>Lev_of_dev</i>	<i>Inter_SE_LD</i>	<i>C_Exp_ed</i>	<i>C_exp_hl</i>
Liberia	1976	21	250,4	29,58		43,46792683		0	0		
Liberia	1977	21	247,27	29,02		44,19026829		0	0		
Liberia	1978	21	244,6	28,62		44,86865854		0	0	6,3734	
Liberia	1979	21	242,68	28,22		45,48660976		0	0		
Liberia	1980	21	240,61	27,92		46,02207317		0	0	5,67482	
Liberia	1981	21	238,72	27,68		46,45892683		0	0		
Liberia	1982	21	237,17	27,68		46,80007317		0	0		
Liberia	1983	21	235,43	27,8		47,05302439		0	0		
Liberia	1984	21	234,33	28		47,22678049		0	0		
Liberia	1985	21	233,66	28,3		47,31982927		0	0		
Liberia	1986	21	234,15	28,61		47,33117073		0	0		
Liberia	1987	21	234,83	29,13		47,28290244		0	0		
Liberia	1988	21	235,79	29,64		47,2117561		0	0		
Liberia	1989	21	236,19	30,12		47,15943902		0	0		
Liberia	1990	21	235,4	29,83		47,20243902	0,7	0	0		
Liberia	1991	21	233,05	29,79		47,42273171	0,9	0	0		
Liberia	1992	21	229,8	30,61		47,8514878	1,1	0	0		
Liberia	1993	21	225,01	31,54		48,48365854	1,3	0	0		
Liberia	1994	21	219,38	32,26		49,28695122	1,5	0	0		
Liberia	1995	21	212,89	33,06		50,16282927	1,7	0	0		
Liberia	1996	21	205,74	34,02		50,9795122	2	0	0		
Liberia	1997	21	197,94	35,38		51,63331707	2,2	0	0		
Liberia	1998	21	189,82	36,86		52,0707561	2,3	0	0		5,924646854
Liberia	1999	21	181,32	37,99	46,63387	52,30117073	2,5	0	0		6,03740406
Liberia	2000	21	172,18	38,63		52,40912195	2,5	0	0		5,91313982
Liberia	2001	21	162,15	39,49		52,53346341	2,5	0	0		6,407651901
Liberia	2002	21	151,61	40,47		52,81080488	2,5	0	0		5,426107883
Liberia	2003	21	140,95	41,53		53,32865854	2,3	0	0		3,438340664
Liberia	2004	21	130,59	42,09		54,0962439	2,2	0	0		8,774857521
Liberia	2005	21	121,17	42,69		55,06617073	2	0	0		8,03588295
Liberia	2006	21	113,1	43,47	35,09446	56,14039024	1,8	0	0		10,90408802
Liberia	2007	21	106,62	44,2		57,18821951	1,6	0	0		10,23524284
Liberia	2008	21	102,52	43,95	42,62398	58,1074878	1,4	0	0	4,12116	11,82501125
Madagaskar	1970	22	188,45	38,24		44,78241463		0	0		
Madagaskar	1971	22	186,8	37,76		45,26734146		0	0		
Madagaskar	1972	22	185,52	37,45	67,11172	45,74673171		0	0		
Madagaskar	1973	22	184,8	37,38		46,21614634		0	0		
Madagaskar	1974	22	184,56	37,23		46,67153659		0	0		
Madagaskar	1975	22	184,45	37,07		47,11143902		0	0	2,53086	
Madagaskar	1976	22	184,05	37,03		47,53780488		0	0	3,27341	

<i>Country name</i>	<i>Year</i>	<i>ID</i>	<i>Under-5 mortality</i>	<i>Shadow economy</i>	<i>School Enrolment</i>	<i>Life expectancy</i>	<i>HIV Prevalence</i>	<i>Level of development</i>	<i>Interaction term</i>	<i>Education Expenditure</i>	<i>Health Expenditure</i>
<i>cname</i>	<i>Year</i>	<i>id</i>	<i>Mortal</i>	<i>Sh_ec</i>	<i>Ed</i>	<i>L_e</i>	<i>HIV</i>	<i>Lev_of_dev</i>	<i>Inter_SE_LD</i>	<i>C_Exp_ed</i>	<i>C_exp_hl</i>
Madagaskar	1977	22	183,51	37,18		47,94960976		0	0	5,05668	
Madagaskar	1978	22	182,52	37,3		48,34136585		0	0		
Madagaskar	1979	22	181,64	37,27		48,70907317		0	0	3,98459	
Madagaskar	1980	22	180,84	36,84		49,0307561		0	0	4,34012	
Madagaskar	1981	22	179,98	36,69		49,28492683		0	0	3,87366	
Madagaskar	1982	22	179,24	36,96		49,46563415		0	0	3,21247	
Madagaskar	1983	22	178,58	37,37		49,58136585		0	0	2,72319	
Madagaskar	1984	22	177,52	37,76		49,65212195		0	0	3,06707	
Madagaskar	1985	22	176,07	38,1		49,71031707		0	0	2,86858	
Madagaskar	1986	22	173,84	38,71		49,79487805		0	0		
Madagaskar	1987	22	170,7	39,11		49,94326829		0	0		
Madagaskar	1988	22	166,69	39,39		50,18497561		0	0		
Madagaskar	1989	22	162,43	39,38	66,89751	50,53604878		0	0		
Madagaskar	1990	22	158	39,32	66,75087	51,00809756	0,1	0	0		
Madagaskar	1991	22	153,46	39,23		51,5982439	0,1	0	0		
Madagaskar	1992	22	148,78	39,75		52,28012195	0,2	0	0		
Madagaskar	1993	22	144,07	40		53,02280488	0,2	0	0	2,22865	
Madagaskar	1994	22	138,89	40,23		53,80729268	0,2	0	0		
Madagaskar	1995	22	133,5	40,54	56,17956	54,61404878	0,2	0	0		4,156483173
Madagaskar	1996	22	127,58	40,84	57,15688	55,427	0,2	0	0		4,500210285
Madagaskar	1997	22	121,62	40,96		56,2335122	0,2	0	0	1,89862	4,735157013
Madagaskar	1998	22	115,69	41,06		57,02043902	0,2	0	0	1,90839	4,499905586
Madagaskar	1999	22	109,98	41,01	63,23344	57,77173171	0,3	0	0	2,79922	4,492635727
Madagaskar	2000	22	104,51	40,94	64,9494	58,47280488	0,3	0	0	2,96527	5,008005619
Madagaskar	2001	22	99,31	40,62	66,38847	59,11360976	0,3	0	0	3,29355	5,045617104
Madagaskar	2002	22	94,6	40,34	67,26867	59,69917073	0,3	0	0	2,76095	5,166600227
Madagaskar	2003	22	90,42	40,4	77,07133	60,2355122	0,3	0	0	3,0844	4,844462395
Madagaskar	2004	22	86,54	40,16		60,72870732	0,3	0	0	3,32467	4,864961624
Madagaskar	2005	22	82,98	39,61		61,18678049	0,3	0	0	3,90949	4,895983696
Madagaskar	2006	22	79,85	39,2		61,62236585	0,3	0	0	3,33291	4,971967697
Madagaskar	2007	22	77,09	38,5		62,048	0,3	0	0	3,3959	5,012983322
Madagaskar	2008	22	74,72	37,47		62,4747561	0,3	0	0	2,93181	4,326134205
Malawi	1970	23	343,93	49,34		40,60521951		0	0		
Malawi	1971	23	334,98	46,29		41,04439024		0	0		
Malawi	1972	23	325,91	44,65		41,47553659		0	0		
Malawi	1973	23	317,6	42,18		41,88317073		0	0		
Malawi	1974	23	309,14	41,86		42,26178049		0	0		
Malawi	1975	23	301,11	41,26		42,61382927		0	0	2,63304	
Malawi	1976	23	293,04	39,55		42,95182927		0	0	2,38628	
Malawi	1977	23	284,76	38,73		43,2902439		0	0		

<i>Country name</i>	<i>Year</i>	<i>ID</i>	<i>Under-5 mortality</i>	<i>Shadow economy</i>	<i>School Enrolment</i>	<i>Life expectancy</i>	<i>HIV Prevalence</i>	<i>Level of development</i>	<i>Interaction term</i>	<i>Education Expenditure</i>	<i>Health Expenditure</i>
<i>cname</i>	<i>Year</i>	<i>id</i>	<i>Mortal</i>	<i>Sh_ec</i>	<i>Ed</i>	<i>L_e</i>	<i>HIV</i>	<i>Lev_of_dev</i>	<i>Inter_SE_LD</i>	<i>C_Exp_ed</i>	<i>C_exp_hl</i>
Malawi	1978	23	276,53	38,91		43,64009756		0	0		
Malawi	1979	23	268,34	36,88		44,00239024		0	0		
Malawi	1980	23	260,55	35,91		44,37312195		0	0		
Malawi	1981	23	253,39	35,09		44,74729268		0	0		
Malawi	1982	23	247,06	35,16		45,11295122		0	0		
Malawi	1983	23	241,5	35,25		45,45963415		0	0		
Malawi	1984	23	236,65	35,23		45,78034146		0	0		
Malawi	1985	23	232,02	35,04		46,07412195		0	0		
Malawi	1986	23	227,8	34,77		46,34297561		0	0	3,3555	
Malawi	1987	23	223,64	35,16		46,58692683		0	0	3,7155	
Malawi	1988	23	219,63	35,87		46,804		0	0	3,33171	
Malawi	1989	23	215,43	36,42		46,98729268		0	0	3,30531	
Malawi	1990	23	211,32	36,6		47,11682927	7,8	0	0	3,37642	
Malawi	1991	23	206,98	37,4		47,16973171	8,9	0	0		
Malawi	1992	23	202,6	37,11		47,13953659	9,8	0	0		
Malawi	1993	23	198,12	37		47,03173171	10,6	0	0		
Malawi	1994	23	193,42	36,37		46,86331707	11,3	0	0		
Malawi	1995	23	188,11	36,74		46,65182927	11,8	0	0	4,16097	5,043715
Malawi	1996	23	182,07	37,07		46,41978049	12,3	0	0	5,57017	4,612149239
Malawi	1997	23	175,22	37,42		46,20258537	12,8	0	0		5,148846626
Malawi	1998	23	167,23	37,77		46,04012195	13,3	0	0		5,504224777
Malawi	1999	23	158,12	38,12	98,58603	45,96821951	13,6	0	0	5,11604	6,515834808
Malawi	2000	23	148,36	38,47		46,03421951	13,8	0	0	5,37426	6,076291561
Malawi	2001	23	138,74	38,72		46,28092683	13,8	0	0	4,60498	5,085088253
Malawi	2002	23	129,9	38,61	98,80751	46,7112439	13,8	0	0		4,825587749
Malawi	2003	23	122,21	38,89		47,31204878	13,7	0	0	4,28825	6,347318649
Malawi	2004	23	115,85	39,04	96,81581	48,06580488	13,4	0	0		7,816170692
Malawi	2005	23	110,67	39,47	96,9532	48,93997561	13	0	0		8,201699257
Malawi	2006	23	106,71	39,42	96,4152	49,89058537	12,5	0	0		8,992844582
Malawi	2007	23	103,71	39,4	92,77979	50,86329268	11,9	0	0		6,667719364
Malawi	2008	23	100,82	39,69	96,50389	51,80573171	11,4	0	0		8,384242058
Mali	1970	24	370,3	54,41		32,393		0	0		
Mali	1971	24	362,93	54,3	17,95094	33,0815122		0	0		
Mali	1972	24	355,62	54,96	18,65631	33,785		0	0		
Mali	1973	24	348,31	54,13	19,04018	34,49446341		0	0		
Mali	1974	24	341,14	53,59	21,63996	35,20541463		0	0		
Mali	1975	24	334,28	53,27		35,91780488		0	0		
Mali	1976	24	327,11	52,68		36,63307317		0	0		
Mali	1977	24	320,31	52,04	21,81029	37,35870732		0	0		
Mali	1978	24	314,04	51,05		38,09834146		0	0	3,52848	

<i>Country name</i>	<i>Year</i>	<i>ID</i>	<i>Under-5 mortality</i>	<i>Shadow economy</i>	<i>School Enrolment</i>	<i>Life expectancy</i>	<i>HIV Prevalence</i>	<i>Level of development</i>	<i>Interaction term</i>	<i>Education Expenditure</i>	<i>Health Expenditure</i>
<i>cname</i>	<i>Year</i>	<i>id</i>	<i>Mortal</i>	<i>Sh_ec</i>	<i>Ed</i>	<i>L_e</i>	<i>HIV</i>	<i>Lev_of_dev</i>	<i>Inter_SE_LD</i>	<i>C_Exp_ed</i>	<i>C_exp_hl</i>
Mali	1979	24	307,81	50,03		38,84904878		0	0		
Mali	1980	24	301,73	49,31		39,61314634		0	0	3,45424	
Mali	1981	24	295,91	48,62		40,39090244		0	0	3,6395	
Mali	1982	24	290,26	47,78		41,17702439		0	0	3,36217	
Mali	1983	24	284,98	47,42		41,96197561		0	0		
Mali	1984	24	279,93	47,47		42,73419512		0	0		
Mali	1985	24	275,27	47,07		43,48087805		0	0		
Mali	1986	24	270,56	46,91		44,19065854		0	0	2,72752	
Mali	1987	24	266,2	46,19		44,85317073		0	0		
Mali	1988	24	261,87	45,72		45,45907317		0	0		
Mali	1989	24	257,88	45,05		46,00126829		0	0		
Mali	1990	24	254,04	44,48		46,46470732	1,1	0	0		
Mali	1991	24	250,53	43,89		46,8365122	1,2	0	0		
Mali	1992	24	247,17	43,76		47,12346341	1,4	0	0		
Mali	1993	24	243,95	43,06		47,34229268	1,5	0	0		
Mali	1994	24	240,7	42,74		47,51160976	1,6	0	0		
Mali	1995	24	237,26	42,23		47,66197561	1,6	0	0		5,238084793
Mali	1996	24	233,24	41,8		47,82746341	1,7	0	0		7,840901375
Mali	1997	24	228,82	41,59		48,0354878	1,7	0	0		7,0299263
Mali	1998	24	223,82	41,38		48,30502439	1,7	0	0	3,03912	6,201686382
Mali	1999	24	218,31	41,13	47,18355	48,64504878	1,7	0	0	3,03913	6,048085213
Mali	2000	24	212,38	41,5		49,0554878	1,7	0	0	3,66927	6,292908192
Mali	2001	24	205,96	41,83		49,52429268	1,6	0	0	3,7392	6,392568111
Mali	2002	24	199,64	41,5	55,85586	50,02390244	1,5	0	0	3,63098	6,283585548
Mali	2003	24	193,43	41,38	55,9354	50,53080488	1,5	0	0	4,25919	6,21831274
Mali	2004	24	187,44	40,8	55,96439	51,033	1,4	0	0	4,49039	6,279538155
Mali	2005	24	182,02	40,82	61,38336	51,52253659	1,4	0	0	4,31409	6,341488361
Mali	2006	24	177,04	40,37	62,71232	51,99443902	1,3	0	0		6,560296535
Mali	2007	24	172,63	39,9	64,88032	52,45382927	1,3	0	0		6,983116627
Mali	2008	24	168,54	39,41		52,9032439	1,2	0	0	3,95848	6,73930788
Mauritania	1970	25	189,87	39,62		49,10695122		0	0		
Mauritania	1971	25	184,92	39,06		49,56758537		0	0		
Mauritania	1972	25	180,09	38,47		50,02370732		0	0		
Mauritania	1973	25	175,34	37,19		50,48136585		0	0		
Mauritania	1974	25	170,54	36,88		50,94607317		0	0		
Mauritania	1975	25	165,72	35,21		51,42792683		0	0		
Mauritania	1976	25	160,99	33,62		51,93953659		0	0		
Mauritania	1977	25	156,38	32,09		52,48192683		0	0		
Mauritania	1978	25	151,83	31,12		53,05263415		0	0		
Mauritania	1979	25	147,42	31,49		53,64314634		0	0		

<i>Country name</i>	<i>Year</i>	<i>ID</i>	<i>Under-5 mortality</i>	<i>Shadow economy</i>	<i>School Enrolment</i>	<i>Life expectancy</i>	<i>HIV Prevalence</i>	<i>Level of development</i>	<i>Interaction term</i>	<i>Education Expenditure</i>	<i>Health Expenditure</i>
<i>cname</i>	<i>Year</i>	<i>id</i>	<i>Mortal</i>	<i>Sh_ec</i>	<i>Ed</i>	<i>L_e</i>	<i>HIV</i>	<i>Lev_of_dev</i>	<i>Inter_SE_LD</i>	<i>C_Exp_ed</i>	<i>C_exp_hl</i>
Mauritania	1980	25	143,06	31,78		54,24243902		0	0		
Mauritania	1981	25	138,84	31,91		54,83643902		0	0		
Mauritania	1982	25	134,9	31,46		55,40704878		0	0		
Mauritania	1983	25	131,38	31,08		55,94065854		0	0		
Mauritania	1984	25	128,1	30,7		56,42870732		0	0		
Mauritania	1985	25	125	30,62	31,72088	56,86460976		0	0		
Mauritania	1986	25	122,16	30,93		57,24734146		0	0		
Mauritania	1987	25	119,47	31,16		57,58487805		0	0		
Mauritania	1988	25	117,03	31,38		57,88478049		0	0		
Mauritania	1989	25	114,76	31,78		58,1515122		0	0		
Mauritania	1990	25	112,77	31,89		58,38612195	0,3	0	0		
Mauritania	1991	25	111,01	32,17		58,59065854	0,4	0	0		
Mauritania	1992	25	109,37	32,28		58,76914634	0,4	0	0		
Mauritania	1993	25	107,98	33,2		58,92514634	0,4	0	0		
Mauritania	1994	25	106,82	33,73	47,30559	59,06317073	0,5	0	0		
Mauritania	1995	25	105,66	34,32	53,66959	59,18673171	0,5	0	0		4,769175053
Mauritania	1996	25	104,58	34,85	56,95973	59,29778049	0,5	0	0		3,809143305
Mauritania	1997	25	103,57	35,04		59,39831707	0,5	0	0	2,32341	3,982927322
Mauritania	1998	25	102,57	35,44	60,3382	59,49134146	0,6	0	0		4,869816303
Mauritania	1999	25	101,48	35,33	59,71467	59,58085366	0,6	0	0	2,3959	5,955382347
Mauritania	2000	25	100,3	35,44	59,86309	59,67292683	0,6	0	0		5,968744755
Mauritania	2001	25	99,19	35,74	63,17699	59,77009756	0,6	0	0	2,91193	4,779136181
Mauritania	2002	25	97,88	35,06	64,18523	59,87439024	0,7	0	0	2,7894	5,964477539
Mauritania	2003	25	96,54	34,61	65,25716	59,98685366	0,7	0	0	2,99301	5,387080669
Mauritania	2004	25	95,16	34,88	72,19833	60,10943902	0,7	0	0	2,42997	5,890975952
Mauritania	2005	25	93,65	33,11	70,70575	60,24260976	0,7	0	0		5,045518875
Mauritania	2006	25	92,14	31,44	73,32163	60,38680488	0,8	0	0	2,59116	3,498343468
Mauritania	2007	25	90,55	31,1	74,03653	60,53946341	0,8	0	0		4,37432766
Mauritania	2008	25	88,91	31,39	70,71776	60,6975122	0,9	0	0	3,74779	4,345315933
Mozambique	1970	26		48,92		39,21882927		0	0		
Mozambique	1971	26		48,17		39,67897561		0	0		
Mozambique	1972	26		47,47		40,15168293		0	0		
Mozambique	1973	26		46,74	32,75738	40,62692683		0	0		
Mozambique	1974	26		46,01		41,0922439		0	0		
Mozambique	1975	26	247,67	45,43		41,53012195		0	0		
Mozambique	1976	26	242,9	44,92		41,92107317		0	0		
Mozambique	1977	26	239,06	44,38		42,25309756		0	0		
Mozambique	1978	26	235,88	43,97		42,52019512		0	0		
Mozambique	1979	26	233,48	43,74	36,66343	42,71985366		0	0		
Mozambique	1980	26	231,53	43,39		42,85104878		0	0		

<i>Country name</i>	<i>Year</i>	<i>ID</i>	<i>Under-5 mortality</i>	<i>Shadow economy</i>	<i>School Enrolment</i>	<i>Life expectancy</i>	<i>HIV Prevalence</i>	<i>Level of development</i>	<i>Interaction term</i>	<i>Education Expenditure</i>	<i>Health Expenditure</i>
<i>cname</i>	<i>Year</i>	<i>id</i>	<i>Mortal</i>	<i>Sh_ec</i>	<i>Ed</i>	<i>L_e</i>	<i>HIV</i>	<i>Lev_of_dev</i>	<i>Inter_SE_LD</i>	<i>C_Exp_ed</i>	<i>C_exp_hl</i>
Mozambique	1981	26	230,51	43,05	34,63007	42,91678049		0	0		
Mozambique	1982	26	229,91	42,82	34,26889	42,935		0	0		
Mozambique	1983	26	229,67	42,58	47,56328	42,92719512		0	0		
Mozambique	1984	26	230,05	43,35		42,91287805		0	0		
Mozambique	1985	26	230,43	43,87	49,69224	42,91202439		0	0		
Mozambique	1986	26	230,74	44,64	48,70303	42,94268293		0	0		
Mozambique	1987	26	230,82	45,03	45,35446	43,01434146		0	0		
Mozambique	1988	26	230,09	45,19	41,66941	43,1375122		0	0		
Mozambique	1989	26	228,76	45,03	42,14353	43,32168293		0	0		
Mozambique	1990	26	226,6	44,94	43,96951	43,57931707	0,4	0	0		
Mozambique	1991	26	223,46	44,83	42,54221	43,92134146	0,7	0	0		
Mozambique	1992	26	219,19	44,73	41,12294	44,33678049	1,4	0	0		
Mozambique	1993	26	214,09	44,77	40,31019	44,80658537	2,3	0	0		
Mozambique	1994	26	208,43	44,61	41,52594	45,30882927	3,5	0	0		
Mozambique	1995	26	202,15	44,92	43,71455	45,81104878	4,7	0	0		5,299723148
Mozambique	1996	26	195,32	44,54		46,27734146	5,7	0	0		4,28251791
Mozambique	1997	26	187,86	44,35		46,68378049	6,6	0	0		4,630953789
Mozambique	1998	26	179,92	44,02	48,20038	47,01241463	7,4	0	0	2,43345	4,520708084
Mozambique	1999	26	171,62	43,32	51,8504	47,25829268	8,2	0	0	3,8395	5,285417557
Mozambique	2000	26	163,54	41,69	55,71761	47,42541463	9	0	0		6,161621094
Mozambique	2001	26	156,28	40,69	60,2386	47,52629268	9,7	0	0		5,642778873
Mozambique	2002	26	150,23	40,14	56,11304	47,59285366	10,3	0	0		6,448710918
Mozambique	2003	26	145,36	39,55		47,65704878	10,7	0	0		6,392310143
Mozambique	2004	26	141,91	39,18	69,93348	47,73582927	11	0	0	4,7025	5,912763596
Mozambique	2005	26	139,44	38,99	75,46413	47,85063415	11,1	0	0	5,50241	6,867819309
Mozambique	2006	26	137,51	38,69	79,73044	48,01641463	11,2	0	0	5,48958	6,512797832
Mozambique	2007	26	136,34	38,4	84,82571	48,23214634	11,3	0	0		5,961857796
Mozambique	2008	26	135,37	38,13	87,94706	48,49382927	11,3	0	0		5,49736166
Nepal	1970	28	261,66	60,44		42,43185366		0	0		
Nepal	1971	28	257,3	60,69		42,84270732		0	0		
Nepal	1972	28	253,15	60,49		43,27146341		0	0		
Nepal	1973	28	248,77	60,39		43,72256098		0	0		
Nepal	1974	28	244,32	59,86		44,20095122		0	0		
Nepal	1975	28	239,7	59,49		44,70807317		0	0		
Nepal	1976	28	234,84	58,11		45,246		0	0		
Nepal	1977	28	229,68	56,77		45,81078049		0	0		
Nepal	1978	28	223,97	55,44		46,401		0	0		
Nepal	1979	28	217,31	53,93		47,01568293		0	0		
Nepal	1980	28	210,18	53,07		47,65341463		0	0		
Nepal	1981	28	202,99	52,05		48,31421951		0	0		

<i>Country name</i>	<i>Year</i>	<i>ID</i>	<i>Under-5 mortality</i>	<i>Shadow economy</i>	<i>School Enrolment</i>	<i>Life expectancy</i>	<i>HIV Prevalence</i>	<i>Level of development</i>	<i>Interaction term</i>	<i>Education Expenditure</i>	<i>Health Expenditure</i>
<i>cname</i>	<i>Year</i>	<i>id</i>	<i>Mortal</i>	<i>Sh_ec</i>	<i>Ed</i>	<i>L_e</i>	<i>HIV</i>	<i>Lev_of_dev</i>	<i>Inter_SE_LD</i>	<i>C_Exp_ed</i>	<i>C_exp_hl</i>
Nepal	1982	28	195,61	51,11		48,99612195		0	0		
Nepal	1983	28	188,16	50,34	61,39774	49,69760976		0	0		
Nepal	1984	28	180,63	49,59	62,86924	50,41565854		0	0		
Nepal	1985	28	173,21	48,9		51,15070732		0	0		
Nepal	1986	28	165,81	47,85		51,90417073		0	0		
Nepal	1987	28	158,56	47,23		52,6735122		0	0		
Nepal	1988	28	151,36	46,57	69,7318	53,45617073		0	0		
Nepal	1989	28	144,29	45,93		54,24563415		0	0		
Nepal	1990	28	137,32	45,2		55,03643902	0,1	0	0		
Nepal	1991	28	130,48	44,82		55,82214634	0,1	0	0		
Nepal	1992	28	123,8	44,25		56,59734146	0,1	0	0		
Nepal	1993	28	117,3	43,66		57,35704878	0,1	0	0		
Nepal	1994	28	110,98	43		58,09534146	0,1	0	0		
Nepal	1995	28	104,86	42,34		58,81026829	0,1	0	0		4,950145721
Nepal	1996	28	98,99	41,56		59,50029268	0,1	0	0		5,047379971
Nepal	1997	28	93,29	40,69		60,16741463	0,1	0	0		5,122327328
Nepal	1998	28	87,88	40,02		60,81360976	0,2	0	0	2,88836	6,157327652
Nepal	1999	28	82,74	39,47	69,26971	61,43887805	0,2	0	0	2,88926	5,470350742
Nepal	2000	28	77,94	39,26	76,31063	62,04270732	0,3	0	0	2,96807	5,034111977
Nepal	2001	28	73,5	38,71		62,62360976	0,4	0	0	3,69493	5,32698679
Nepal	2002	28	69,45	38,39		63,18302439	0,4	0	0	3,14073	5,565587044
Nepal	2003	28	65,71	38,04	84,81887	63,722	0,5	0	0	3,11846	5,443689346
Nepal	2004	28	62,34	37,46	84,90606	64,2434878	0,5	0	0	3,1763	5,774525166
Nepal	2005	28	59,3	36,81		64,748	0,5	0	0	3,37523	5,722696304
Nepal	2006	28	56,49	36,39		65,23953659	0,5	0	0	3,59538	5,629633427
Nepal	2007	28	53,96	36		65,72009756	0,4	0	0	3,49133	5,512785435
Nepal	2008	28	51,6	35,63		66,19019512	0,4	0	0	3,76363	6,085390568
Solomon Islands	1970	30		38,48		54,38770732		0	0		
Solomon Islands	1971	30		38,81		54,90668293		0	0		
Solomon Islands	1972	30		38,26		55,43863415		0	0		
Solomon Islands	1973	30		37,75		55,97709756		0	0		
Solomon Islands	1974	30		37,5		56,51056098		0	0		
Solomon Islands	1975	30		36,61		57,03053659		0	0		
Solomon Islands	1976	30		36,42		57,52902439		0	0		
Solomon Islands	1977	30		36,17		57,98956098		0	0		
Solomon Islands	1978	30		35,71		58,38965854		0	0		
Solomon Islands	1979	30	58,71	35,4		58,70736585		0	0		
Solomon Islands	1980	30	56,28	34,67		58,89073171		0	0		
Solomon Islands	1981	30	53,88	34,01		58,88336585		0	0		
Solomon Islands	1982	30	51,6	33,4		58,6787561		0	0		

<i>Country name</i>	<i>Year</i>	<i>ID</i>	<i>Under-5 mortality</i>	<i>Shadow economy</i>	<i>School Enrolment</i>	<i>Life expectancy</i>	<i>HIV Prevalence</i>	<i>Level of development</i>	<i>Interaction term</i>	<i>Education Expenditure</i>	<i>Health Expenditure</i>
<i>cname</i>	<i>Year</i>	<i>id</i>	<i>Mortal</i>	<i>Sh_ec</i>	<i>Ed</i>	<i>L_e</i>	<i>HIV</i>	<i>Lev_of_dev</i>	<i>Inter_SE_LD</i>	<i>C_Exp_ed</i>	<i>C_exp_hl</i>
Solomon Islands	1983	30	49,37	32,75		58,30139024		0	0		
Solomon Islands	1984	30	47,25	32,81		57,79468293		0	0		
Solomon Islands	1985	30	45,39	32,36		57,24504878		0	0		
Solomon Islands	1986	30	43,77	31,56		56,75385366		0	0		
Solomon Islands	1987	30	42,23	31,23		56,41097561		0	0		
Solomon Islands	1988	30	40,88	31,34		56,27729268		0	0		
Solomon Islands	1989	30	39,59	30,53		56,37773171		0	0		
Solomon Islands	1990	30	38,4	30,63		56,7047561		0	0		
Solomon Islands	1991	30	37,33	30,93		57,21385366		0	0	3,82832	
Solomon Islands	1992	30	36,34	30,65		57,82112195		0	0		
Solomon Islands	1993	30	35,58	30,8		58,45458537		0	0		
Solomon Islands	1994	30	34,93	31,39		59,08373171		0	0		
Solomon Islands	1995	30	34,52	31,04		59,69595122		0	0		3,246873617
Solomon Islands	1996	30	34,28	31,13		60,29658537		0	0		3,019428492
Solomon Islands	1997	30	34,28	31,26		60,90860976		0	0		3,283490419
Solomon Islands	1998	30	34,39	31,23		61,54363415		0	0	2,2836	3,528356075
Solomon Islands	1999	30	34,47	31,32		62,19087805		0	0		3,804783583
Solomon Islands	2000	30	34,58	31,57		62,83673171		0	0		4,560482502
Solomon Islands	2001	30	34,69	31,89		63,46560976		0	0		6,443252087
Solomon Islands	2002	30	34,73	32,24		64,06236585		0	0		6,090180397
Solomon Islands	2003	30	34,53	32,39		64,61409756		0	0		6,003985882
Solomon Islands	2004	30	34,28	32,54		65,11287805		0	0		5,640644073
Solomon Islands	2005	30	33,82	32,26	75,52366	65,5534878		0	0		7,834356785
Solomon Islands	2006	30	33,12	32,46	80,03561	65,93512195		0	0		6,664011478
Solomon Islands	2007	30	32,22	32,7	80,72798	66,26780488		0	0	6,3213	5,63523531
Solomon Islands	2008	30	31,37	31,67		66,56221951		0	0	7,08526	5,608335018
Yemen	1970	32				41,16190244		0	0		
Yemen	1971	32				41,99885366		0	0		
Yemen	1972	32				42,85482927		0	0		
Yemen	1973	32				43,73380488		0	0		
Yemen	1974	32				44,63929268		0	0		
Yemen	1975	32				45,57631707		0	0		
Yemen	1976	32				46,54536585		0	0		
Yemen	1977	32				47,54046341		0	0		
Yemen	1978	32				48,54860976		0	0		
Yemen	1979	32				49,55829268		0	0		
Yemen	1980	32				50,55953659		0	0		
Yemen	1981	32				51,54134146		0	0		
Yemen	1982	32				52,49270732		0	0		
Yemen	1983	32				53,40212195		0	0		

<i>Country name</i>	<i>Year</i>	<i>ID</i>	<i>Under-5 mortality</i>	<i>Shadow economy</i>	<i>School Enrolment</i>	<i>Life expectancy</i>	<i>HIV Prevalence</i>	<i>Level of development</i>	<i>Interaction term</i>	<i>Education Expenditure</i>	<i>Health Expenditure</i>
<i>cname</i>	<i>Year</i>	<i>id</i>	<i>Mortal</i>	<i>Sh_ec</i>	<i>Ed</i>	<i>L_e</i>	<i>HIV</i>	<i>Lev_of_dev</i>	<i>Inter_SE_LD</i>	<i>C_Exp_ed</i>	<i>C_exp_hl</i>
Yemen	1984	32				54,25558537		0	0		
Yemen	1985	32				55,03858537		0	0		
Yemen	1986	32				55,73863415		0	0		
Yemen	1987	32				56,35673171		0	0		
Yemen	1988	32				56,89634146		0	0		
Yemen	1989	32		34,38		57,363		0	0		
Yemen	1990	32	128,34	34		57,76419512	0,1	0	0		
Yemen	1991	32	125,01	33,69		58,11090244	0,1	0	0		
Yemen	1992	32	121,81	33,81		58,41863415	0,1	0	0		
Yemen	1993	32	118,65	33,21		58,70287805	0,1	0	0		
Yemen	1994	32	115,4	32,97		58,97263415	0,1	0	0		
Yemen	1995	32	112,01	32,69		59,23641463	0,1	0	0		4,143765926
Yemen	1996	32	108,47	32,07		59,49619512	0,1	0	0		4,114040375
Yemen	1997	32	104,79	31,09		59,74797561	0,1	0	0		4,070802212
Yemen	1998	32	100,94	30		59,99126829	0,1	0	0		4,976979733
Yemen	1999	32	97,07	29,31	57,17121	60,22756098	0,1	0	0		4,281634808
Yemen	2000	32	93,15	29,08		60,45785366	0,1	0	0	10,50504	4,138566017
Yemen	2001	32	89,27	28,73	65,84151	60,68368293	0,1	0	0	9,94185	4,335218906
Yemen	2002	32	85,34	28,37		60,904	0,1	0	0		4,219287395
Yemen	2003	32	81,61	28,25	71,94642	61,11834146	0,1	0	0		5,004069328
Yemen	2004	32	77,95	27,96	74,71457	61,32865854	0,1	0	0		4,89888382
Yemen	2005	32	74,67	27,81	76,86367	61,53492683	0,2	0	0		4,580480099
Yemen	2006	32	71,3	27,17		61,73865854	0,2	0	0		4,817128658
Yemen	2007	32	68,32	26,8		61,93978049	0,2	0	0		4,91766119
Yemen	2008	32	65,33	26,47	76,46039	62,13782927	0,2	0	0	5,54606	5,117446423

