Discussion Papers

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Thomas Siedler

Does Parental Unemployment Cause Right-Wing Extremism?

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Right-Wing Extremism?

Thomas Siedler *

Abstract

Recent years have witnessed a rise in right-wing extremism among German youth and

young adults. This paper investigates the extent to which the experience of parental

unemployment during childhood affects young people's far right-wing attitudes and xeno-

phobia. Estimates from three German data sets show a positive relationship between

growing up with unemployed parents and right-wing extremism, with xenophobia in par-

ticular. This paper uses stark differences in unemployment levels between East and West

Germany, both before and after reunification, to investigate a causal relationship. Instru-

mental variables estimates suggest strong and significant effects of parental unemployment

on right-wing extremism. Various panel estimates also point to a positive relationship.

The results are consistent with classical theories of economic interest and voting behavior

which predict that persons who develop feelings of economic insecurity are more suscep-

tible to right-wing extremism and anti-foreign sentiments.

Keywords: Right-wing extremism, unemployment, instrumental variables estimations,

panel estimators, intergenerational links

JEL Classifications: C23, D72, J6, P16

*Institute for Social and Economic Research and DIW Berlin, University of Essex, Wivenhoe Park, Colchester

CO4 3SQ, United Kingdom. Email: tsiedl@essex.ac.uk

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DIW Berlin
German Institute for Economic Research
Königin-Luise-Str. 5
14195 Berlin
Tel. +49 (30) 897 89-0
Fax +49 (30) 897 89-200
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1 Introduction

Right-wing extremist ideas, parties and movements are a problem in contemporary Germany. In a speech on 10 April 2005, Paul Spiegel — the then President of the Central Council of Jews in Germany — stated: "Since right-wing extremist parties have gained or regained seats in the parliaments of Saxony and Brandenburg, not a week goes by without the right-wing extremist managing to become the focus of political discussion in Germany. What they are saying is nothing new: open racism and anti-Semitism are complemented by firing up people's weariness of the political discussion in Germany".¹

In the above-mentioned federal state election in Saxony in September 2004, the right-wing extremist party Nationaldemokratische Partei Deutschlands (NPD) received 9.2 percent of the votes.² Support among young male voters was particularly strong with one in five men aged 25 and younger casting their vote for the NPD (Statistisches Landesamt des Freistaates Sachsen).³ Figure 1 illustrates the evolution of the number of violence-prone right-wing extremists (not in organized groups) and neo-Nazis (in organized groups) in Germany between 1990 and 2005. The period saw an over 100 percent increase in the number of right-wing extremists. Germany is also seeing increased right-wing violence by youth and young adults (Federal Ministry of the Interior, 2003). Between 1996 and 1999, more than 41,000 right-wing extremist crimes were officially registered in Germany, 6.8 percent of which were violent crimes (Falk and Zweimüller,

¹Abstract of a speech at the Occasion of the National Commemoration of the 60^{th} Anniversary of the Liberation of the Concentration Camps. $\langle \text{http://www.thueringen.de/de/politisch/veranstaltungen/17531} \rangle$.

²Die Republikaner and the Deutsche Volks Union (DVU), two other right-wing extremist parties in Germany, also had electoral successes in regional elections in both East and West Germany during the 1990s. (see, for example, (http://www.bundeswahlleiter.de)).

³Similarly, nearly one in four first-time voters cast their vote for the DVU in the 1998 federal state election in Sachsen-Anhalt (Winkler and Falter, 2002). In 2006, 17 percent of voters aged 24 and younger voted for the NPD in the federal state election in Mecklenburg-Western Pomerania (Landeszentrale für politische Bildung, 2006).

2005).

What are the driving forces behind right-wing extremism?⁴ To what extent do economic family background characteristics, such as parental unemployment during childhood, affect affinity towards right-wing extremism? This paper seeks to shed new light on these questions in the case of young people in Germany. In particular, it examines the extent to which maternal and paternal unemployment during childhood have an impact on political far right-wing views, affinities to right-wing extremist parties, and the chances of joining skinhead or neo-Nazi groups. Also examined are young Germans' prejudices and hostile attitudes toward foreigners and asylum-seekers.

One of the difficulties in estimating the true impact of parental unemployment on children's political outcomes is that the relationship of interest could be driven by characteristics that are unobservable to the researcher, rather than representing causality. For instance, parents who have a higher risk of being unemployed may also be more prone to antidemocratic and xenophobic sentiments, and these attitudes may in turn affect their children's political attitudes irrespective of the parents' actual employment histories. This study accounts for these potential omitted factors influencing both parental unemployment and young people's right-wing behavior using several econometric methods which rely on different assumptions and thereby checking robustness. A baseline reference point is produced by estimates from linear probability models. In a second step, I estimate various panel models with data from the German Socio-Economic Panel. Finally, I apply instrumental variable models exploiting stark differences in unemployment levels between the region of the former German Democratic Republic (GDR) and the Federal Republic of Germany (FRD) both before and after German reunification in 1990 as an exogenous source of variation in parental unemployment.

⁴To date, there exists no agreed definition of the term right-wing extremism. I define right-wing extremism according to the following five core features: nationalism, racism, xenophobia, anti-democracy and a strong centralized state. According to Mudde (2000), these are the five most commonly used features in defining right-wing extremism in the academic literature.

Investigating whether parental unemployment has an impact on young people's right-wing attitudes is of substantial interest since the majority of right-wing extremist crimes in Germany are conducted by young men aged 15-25 years (Neubacher, 1999). In addition, attitudes and orientations in general are most susceptible to influences and events during childhood and early adolescence (Krosnick and Alwyn, 1989). For instance, Wahl (2003) argues that many individuals who have been either suspected or found guilty of right-wing extremist crimes in Germany had mental-health problems stemming from destructive events during their childhood. Furthermore, since attitudes and political values are relatively stable from early adulthood on (Krosnick and Alwyn, 1989), young people's right-wing extremism today may have a lasting impact on their political values and behavior in the future. The question of how parental unemployment influences young people's right-wing extremism is also crucial for the economic domain. First, anti-foreign sentiments within the population could have an adverse effect on the social and economic integration of immigrants and thus influence economic performance and trade (Dustmann and Preston, 2001; Epstein and Gang, 2004). Second, xenophobia and rightwing extremism could influence migration patterns. For instance, fear of right-wing assaults could result in people leaving certain areas of the country, or deter immigration into particular regions. In fact, the creation of nationally liberated zones (National befreite Zonen), i.e. areas in which right-wing extremists exercise social control, is one declared aim of right-wing extremist groups in contemporary Germany (Döring, 2006). Third, right-wing extremism in the population could severely limit the attractiveness of certain regions as locations for business investment and thus hamper economic growth.

This paper is unique in that it is the first study trying to investigate causal effects of right-wing extremism and xenophobia. It also provides first evidence on intergenerational relationship between parental economic conditions and young people's right-wing extremist attitudes. I find a strong and positive significant association between parental unemployment and various right-wing extremist outcomes for young Germans in simple cross-sectional estimations, in

particular for men. I document that the relationship is robust to young people's feelings of marginalization and economic insecurity, their dissatisfaction with the political system, and the influence of parents' political attitudes and economic expectations. Furthermore, using instrumental variable regressions I show that there is convincing evidence in favor of a causal effect from parental unemployment during childhood on young people's right-wing extremism. Various panel estimates and results from propensity score matching also point to a positive and significant relationship.

The paper is organized as follows. Section 2 briefly discusses relevant economic and political theories. Section 3 presents the various data sources that are used in the empirical work. Eight different outcome measures of right-wing extremism are described in Section 4, and summarized in Section 5. Regression estimates from multiple identifying strategies are presented in Sections 6–10. Sensitivity analyzes are discussed in Section 11. The final section concludes.

2 Theoretical Background

Theories of economic interest (Lipset, 2002; Downs, 1957) suggest reasons why parental unemployment may help explain right-wing sentiments and xenophobia. Individuals whose parents experienced unemployment may perceive employment opportunities as scarce and develop feelings of socio-economic insecurity. They may conclude that the scarce jobs available are being occupied by foreigners. Hence, there exists a risk that these individuals will be more receptive to right-wing extremist propaganda and feel closer to right-wing parties that claim to protect their interests as natives. For example, the right-wing extremist German party, Die Republikaner, campaigned for the last election with the slogan "Jobs for Germans first!" (Arbeit zuerst für Deutsche!)⁵

A related argument can be made based on the economic theory of voting behavior. This

⁵See, for example, (http://www.im.nrw.de/pe/pm2001/pm2001).

assumes that individuals are self-interested, rational and vote for the party from which they expect to receive the highest utility. If individuals perceive a loss in their socio-economic status, they may be more prone to sympathizes with and vote for right-wing extremist parties, believing the parties' promises to prioritize job creation for natives.

This paper also touches on arguments from the political science literature (see, for example Roth and Schäfer, 1994). Two political theories help to explain why parental unemployment may affect children's right-wing extremist sentiments and party affinities. The first concerns the hypothesis of a rational protest vote. The idea here is that individuals cast right-wing extremist votes as a protest against socio-economic conditions, or out of dissatisfaction with the political system or disillusionment with the traditional parties. Hence, a person's statement of support for a right-wing party could be a means of channeling social and economic discontent – triggered, for example, by parental unemployment – rather than representing genuine right-wing ideological conviction. A second theory argues that far right-wing voting is an expression of ideological convictions. The hypothesis is that support for extreme right-wing parties and organizations is based on genuine political beliefs and right-wing convictions rather than the result of opportunistic protest voting and behavior. Having these theories in mind is useful in motivating and interpreting the empirical analysis below.

3 Data Sources

Three individual-level German data sources are used in this study. In all three data sets, I restrict the analysis to native Germans aged 16-29 years. The first is the German Socio-Economic Panel (SOEP), a panel survey which started with approximately 12,300 individuals in about 6,000 households in 1984. In June 1990, following German reunification, the SOEP was expanded to the former German Democratic Republic, bringing in nearly 4,500 individuals in around 2,200 new households. Ongoing representativeness of the population has been main-

tained by using a following rule typical of household panel surveys. This study uses the years following the German reunification from 1990 to 2004 (waves 7-21).⁶

The second data source is the Youth and Young Adult Longitudinal Study (YYAS) which surveyed a national sample of youth and young adults in 1991 and 1996. Overall, the YYAS interviewed approximately 7,300 young people in both East and West Germany, asking detailed questions on political orientations and social experiences.

The third data source is the DJI Youth Survey, a repeated cross-sectional survey which was carried out in 1992 and 1997 on young adults aged 16-29 in East and West Germany. This survey collected data from approximately 7,000 individuals in each of the two years. The survey is representative of the total German population in that age range and contains extensive information on respondents' political orientations and behavior. The questionnaire also asked about prejudices against immigrants and asylum seekers.

4 Measures of Right-Wing Extremist Outcomes

This section explains the definitions of the measures of right-wing behavior used in this study.⁷ Using several measures allows me to investigate young people's right-wing attitudes and xeno-phobia from different angles.

The first two variables measure affinity to right-wing parties in Germany and participation in right-wing extremist organizations such as neo-Nazi / skinhead groups. These groups are closely watched by the German intelligence service and regularly mentioned in the Annual Report of the Office for the Protection of the Constitution (Verfassungsschutzbericht) in the sections on right-wing extremism.⁸ Furthermore, members of neo-Nazi / skinhead groups have

⁶See Haisken-DeNew and Frick (2005) and Burkhauser et al. (1997) for further details about the SOEP.

⁷The precise wording of the questions and a description of each of the outcome measure is provided in the Appendix, Table 1.

⁸See, (http://www.bmi.bund.de) for further information.

been found guilty of numerous xenophobic crimes in Germany (Willems, 1993).

Leaning towards a Right-Wing Extremist Party. Respondents to the SOEP and the YYAS are asked which political party they are closest to. The variable takes the value one if respondents name a right-wing extremist party, and zero otherwise. Similarly, if respondents to the DJY Youth Survey indicated closeness to the party Die Republikaner, the variable was set equal to one, and zero otherwise.

Participation in Skinhead / neo-Nazi Groups. The DJI Youth Survey and the YYAS collect information on participation in and approval of right-wing extremist groups. In the former, respondents were asked about their attitudes toward neo-Nazis and right-wing skinheads and other right-wing groups (Nationalistische Gruppierungen). I define respondents as participants if they said either that they take an active part in or occasionally attended a right-wing extremist group. The YYAS asks individuals about their perception of skinheads on a six-point scale. I define participants as those individuals who answered that they were part of a skinhead group.

Far Right-Wing Political Views. In the DJI Youth Survey, respondents were asked where they placed themselves on the Left-Right political scale. I define respondents as having far right-wing political views if they placed themselves in the two outmost right boxes on the political Left-Right scale.¹⁰

Recent studies point to a strong relationship between right-wing political ideology, racism and anti-foreign sentiments in the German society (Alba and Johnson, 2003; Heitmeyer, 2003). The remaining outcome variables measure young people's attitudes and sentiments toward foreigners and asylum-seekers in Germany.

Anti-Foreign Sentiments. The DJI Youth Survey includes a module of items aiming to

⁹Note that respondents in the SOEP are specifically asked about their long-term party affinity.

¹⁰Qualitatively similar results are obtained when using a more restrictive measure of right-wing views, i.e. a dummy variable that equals one if the respondents placed themselves at the far right end of the political Left-Right continuum, and zero otherwise.

measure respondents' xenophobia. The following questions are worded to examine individuals' perceptions and sentiments about foreigners:

- "When there is a shortage of jobs, foreigners should be sent back to their home countries"
- "It would be better if all foreigners left Germany".

If respondents state the two strongest expressions of agreement ("totally agree", "agree") on a six-point scale, I set the dependent variables to one, and zero otherwise. Respondents are also asked about whether they think that "using violent means to make it clear to asylum-seekers that they should return to their home country" is acceptable, unacceptable, or whether it may possibly be acceptable. If young people say that using violent means is acceptable, I define the variable to take the value one, and zero otherwise. Attitudes toward asylum seekers are of particular relevance in Germany, given the series of right-wing extremist riots during the early 1990s, including the pogrom-like attacks on asylum-seekers in Hoyerswerda and Rostock. Some of these were supported by German bystanders who clapped and cheered while the attacks were taking place (Krueger and Pischke, 1997).

Right-Wing Behavior and Xenophobia. Finally, I construct two variables aimed at providing a stricter and narrower proxy for (a) right-wing extremist behavior and (b) xenophobia. My measure of right-wing behavior equals one if respondents in the DJI Youth Survey state leaning towards a right-wing extremist party, participate in a skinhead / neo-Nazi group and show right-wing political views, and zero otherwise. Accordingly, I define the xenophobia variable as one if respondents agree with all three anti-foreign statements described above, and zero otherwise.

¹¹In the YYAS, the variable right-wing behavior equals one if respondents lean towards a right-wing extremist party and state their participation in a skinhead / neo-Nazi group, and zero otherwise.

5 Data and Descriptive Statistics

The definition of the main explanatory variable 'parental unemployment during childhood' varies across the three data sets. First, parental unemployment is reported retrospectively by respondents (aged 16-29) in both the DJI Youth Survey and the YYAS. In the SOEP, however, parental unemployment is self-reported. Second, the YYAS and the SOEP cover young people's entire childhood (ages 0-16), whereas the DJI Youth Survey provides parental unemployment information only in the year respondents were aged 16. Finally, the period over which parental unemployment is measured varies as well. In the DJI Youth Survey and the YYAS the time period spans the years 1979-1997 and 1977-1996, respectively. The SOEP also covers more recent years up to 2004. If young people grow up in a single-parent family, parental unemployment covers unemployment of the single parent only.¹²

Differences in both the definition of the key explanatory variable and the time period over which it is measured explain the variation in the proportion of young people who grow up with unemployed parents across the three data sets. A common set of explanatory variables (in addition to parental unemployment) can be derived from each survey, including age, female, year of birth, highest general schooling degree of the children and parents, and a maximum set of year and federal state dummies. The measure of educational qualification has three categories: general secondary school qualification or less, intermediate school qualification, and higher school qualification. I also control for the annual state-level unemployment rate as a proxy for local labor market conditions. Furthermore, I include a variable measuring the proportion of foreigners in the population at the federal state level to capture differences in ethnic composition across states and over time. Previous research found that a higher concentration of minorities increased hostility against foreigners in Germany (Krueger and Pischke, 1997). To account for

¹²Note that both the DJI Youth Survey and the YYAS comprise both mother and father-only families, whereas young people who grew up in father-only families were excluded from the SOEP sample.

¹³In unreported regressions, I also controlled for youth unemployment levels. This generated similar results.

neighborhood characteristics, I add dummy variables capturing the district size respondents live in. In the DJI Survey, I also control for father's occupation. Finally, in pooled regressions for young people living in East and West Germany, a dummy variable is included which equals one if a respondent lives in the area of the former GDR, and zero otherwise.

Table 1 presents unconditional means for all outcome variables by sample, region of residence and parental unemployment experience during childhood. The table shows that the proportion of young people with right-wing outcomes is considerably higher among those whose parents were unemployed in all but one case. This is equally true for young people living in East and West Germany. Summary statistics of explanatory variables are provided in the Appendix, Table 2.

6 Parental Unemployment and Right-Wing Extremism

I start by estimating OLS linear probability regressions of the form 14

$$right - wing = f + t + u^p \beta_1 + X\gamma + e, (1)$$

where right-wing represents one of the right-wing extremist outcome variables, f are federal state dummies, t are year dummies, u^p is a dummy variable equal to one if a person experienced parental unemployment during childhood and zero otherwise, and X is a vector of child- and family-specific variables. The parameter of greatest interest is β_1 , which captures the relationship between growing up with an unemployed parent and young people's propensity to show right-wing extremist attitudes. The year dummies t capture common shocks to young people's right-wing behavior, the state dummies t control for regional differences and the error term t0 captures all other omitted factors.

Table 2 presents the baseline results. For brevity, only the estimates of β_1 are reported. Each

¹⁴The results presented here are robust to estimating the models using probit regressions.

estimate in Table 2 represent the result from a separate regression. The table shows a positive significant association between experience of parental unemployment during childhood and young Germans right-wing extremism in 21 out of 24 regressions. The largest point estimates are obtained for the outcome variable "when there is a shortage of jobs, foreigners should be sent back to their home countries". Individuals who grow up with an unemployed parent show a 6-13 percentage points higher likelihood to agree with this statement. Similarly, individuals are 5-7 percent more likely to state that it "would be better if all foreigners left Germany" and show a significantly higher propensity to approve of using violence against asylum seekers if they experienced parental unemployment during childhood.

Overall, the results suggest a significant positive association between parental unemployment experience during childhood and the majority of right-wing extremist outcomes for young people in Germany.¹⁵

7 Alternative Explanations why Parental Unemployment might affect Young People's Right-Wing Extremism

Having determined that parental unemployment is positively associated with young people's

right-wing extremism I now examine reasons why this might be the case. I consider four ¹⁵I also run ordered probit regressions in case an ordinal right-wing extremist scaling was possible to derive. In the DJI Youth Survey, respondents expressed the first two anti-foreign statements in Table 2, Panel B on a six-point scale, with (6) indicating "totally agree" and (1) "totally disagree". I collapsed the responses (1)-(3) into one category, providing a four-point ordinal indicator of intensity of anti-foreign sentiments. Intergenerational links were large, positive and highly significant. In addition, using factor analysis, I collapsed the information contained in the first six right-wing measures (Table 2) in the DJI Youth Survey and the two right-wing outcomes in the YYAS respectively, into one dependent variable. The new outcomes can be interpreted as measuring

"overall right-wing extremism". With one exception, the association between parental unemployment and

right-wing extremism was positive and highly significant.

hypotheses. The first is that young people who grew up with an unemployed mother or father might be more likely to be unemployed themselves later in life (O'Neill and Sweetman, 1998) and their political attitudes might be influenced by their own labor market prospects. Some previous studies have pointed to a positive correlation between being unemployed and the propensity to cast a right-wing extremist vote (Lubbers and Scheepers, 2001). I examine how young people's own unemployment affects their right-wing attitudes by including a dummy variable that equals one if the young person was unemployed when interviewed (SOEP and DJI Youth Survey) or ever experienced unemployment (YYAS), and zero otherwise.

Second, I examine the potential direct influence of young people's feelings of socio-economic deprivation and insecurity. If parental unemployment is a measure of general economic uncertainty, the positive correlation between parental unemployment and right-wing outcomes should weaken. To test this hypothesis, I control for young people's financial worries and whether or not they feel disadvantaged by the German reunification. In addition, in the regressions based on the SOEP, I can control for whether parents are currently worried about their financial situation.

The third hypothesis is that parents' political beliefs play a key role in determining their children's political attitudes (Lazarsfeld et al., 1948). To the extent that the influence of parental unemployment on right-wing outcomes is diminished by the inclusion of variables that capture parents' political beliefs, one could conclude that parents' political orientations — rather than their unemployment — are the driving force behind young people's right-wing extremism. This is tested using SOEP data. Two proxy variables are used for parents' political views: parents' affinity to a right-wing extremist party, and whether parents indicate being in favor of democracy.

Fourth, it is commonly believed and argued that right-wing extremism is closely associated with disillusionment with the political system (Backer, 2000). To account for this, covariates capturing respondents' disaffection with politicians and the government are included in the

regressions. Political dissatisfaction is proxied by whether respondents think that politicians trick people (DJI Youth Survey) and whether they report having no or low levels of trust in the government (YYAS).

Table 3 investigates the robustness of the baseline results by progressively adding further covariates that might be behind the positive association between parental unemployment and right-wing extremism. For the sake of brevity, I report results for one outcome only (leaning towards right-wing extremist party). Panels A and B show the estimates obtained for young people living in East and West Germany respectively. Column (1) in each of the three surveys shows a positive and significant association between young people's own unemployment and their right-wing party affinity in the majority of regressions, which varies considerably in magnitude among the three data sets. Results in columns (2) and (3) paint a picture consistent with the theory of economic interest. Financial worries and feelings of being disadvantaged by the German reunification are positively correlated with individuals' leanings toward right-wing extremist parties. 17 Using data from the SOEP, columns (4) and (5) present results for an intergenerational link in political attitudes. The estimates suggest that having a parent who at any point responded feeling an affinity to a right-wing extremist party is positively associated with young people's affinity to these extremist parties, and this effect is very strong. Young people in West Germany whose parents responded feeling an affinity to right-wing extremist party show a 34 percent higher chance of feeling close to far-right wing parties. The intergenerational effect in East Germany is nearly double the size. Finally, column (6) in the YYAS and DJI Youth Survey show that there is a positive and statistically significant association between having no trust in politicians or the government and right-wing extremism. This result is consistent with Backer (2000).¹⁸

¹⁶The results for the other right-wing measures were broadly similar to the results reported in Table 3.

¹⁷Note that the associations are stronger for young people living in West Germany.

¹⁸In the working paper version of this paper, I also distinguished between young people who experienced unemployment of both parents during childhood and those who experienced either maternal or paternal unem-

To summarize, the inclusion of additional regressors capturing young people's unemployment experience, political dissatisfaction, feelings of economic insecurity, dissatisfaction with the political system, and parents' right-wing extremist attitudes do not alter the positive significant association between parental unemployment and right-wing extremism.

8 Gender, Household Income, Parental Unemployment and Right-Wing Extremism

Table 4 investigates how the impact of parental unemployment on right-wing extremism varies with gender. The table reports separate OLS estimates for women and men living in East and West Germany, respectively. Overall, the results show that the intergenerational relationship is stronger for men than for women. For example, young male Germans who experienced parental unemployment have a 3-7 percentage point higher chance of participating in skinhead / neo-Nazi groups. For female respondents, the point estimates are between two and five percentage points.

The impact of parental unemployment on right-wing extremism might also differ across the distribution of parents' household income during childhood. For instance, young Germans who grew up with low-income parents and experienced parental unemployment might be more likely to become right-wing extremists than more affluent peers who also experienced parental unemployment during childhood. Thus, one might expect a stronger intergenerational relationship at the bottom of parental earnings distribution. Table 5 reports estimates by parental household income quartiles using data from the SOEP. Among young people in East Germany, the positive relationship between parental unemployment and right-wing extremism is stronger in ployment. In the majority of regressions, the link was larger in magnitude for unemployment of both parents than for unemployment of one parent only. No clear-cut evidence emerged whether maternal or paternal unemployment had a stronger effect. See Siedler (2006) for further information.

the tails of the income distribution. For West Germans, the relationship across generations is bell-shaped, with lower intergenerational associations at the bottom and top of parental income distribution in comparison to the middle (2^{nd} and 3^{rd} quartile).

In sum, the results so far show a positive association between parental unemployment experience and various right-wing outcomes for young Germans, in particular for young men. However, if parental unemployment and right-wing extremism is correlated with some common unobservable characteristics, then the present estimates will be biased. In the following sections, I therefore present several econometric approaches to further identify an impact of parental unemployment, and discuss the results produced.¹⁹

9 Panel Data Estimates

Using panel data from the SOEP has several advantages over cross-sectional surveys. First, the panel data structure allows one to control for unobserved family-specific and child-specific effects. Second, since parental unemployment is self-reported, this is likely to result in lower levels of measurement error than if reported by children retrospectively. Third, using parents' retrospective employment histories enables me to measure parental unemployment over young people's entire childhood as opposed to a single point (or year) in time (Wolfe et al., 1996). Thus, it is also possible to investigate the impact of parental unemployment duration during childhood on right-wing extremism. Fourth, the SOEP data allows me to control for other family background characteristics, such as family structure (growing up in a non-intact family, family size and birth order). Fifth, the SOEP allows me to examine whether the intergenerational effect might differ according to when the individual experienced parental unemployment: young children may be affected differently than teenagers. Finally, maternal and paternal

¹⁹It is important to keep in mind that each of the methods has potential limitations, but by applying a broad range of estimation methods with differing identifying assumptions, I am able to draw more robust conclusions than with one method only.

employment status is observed not only during individuals' childhood years (ages 0-16), but also at later ages, so one can measure parental unemployment over a longer period, including early adulthood. According to the impressionable years hypothesis (Krosnick and Alwin, 1989), parental unemployment during adulthood should have a lower impact on young people than during childhood. Table 6 presents results from various estimation methods using the SOEP, for East and West Germany separately. The first two columns present results from linear probability models which include additional family background variables. The remaining columns report estimates from individual random-effect models and family fixed effect linear probability models. The first method uses all person-year observations for which respondents' party affinity is observed more than once. This method controls for any unobserved individual effects assumed to be uncorrelated with the explanatory variables. The second method uses the sub-sample of young people in which at least two siblings with the same mother were interviewed. Sibling models relate differences in right-wing outcomes among siblings to sibling differences in parental unemployment experience during childhood. Although family fixed effect models are not a panacea against unbiasedness²⁰, they are useful in controlling for unobserved environmental characteristics (for example, having anti-Semitic parents, which is unobserved in the SOEP) that do not change over time and have an influence on parents' unemployment and children's political attitudes (Ermisch and Francesconi, 2001).

I start by discussing the results in Panel A, Table 6. The first two columns show that the association between parental unemployment and right-wing outcomes is robust to including further explanatory variables. With the exception of the number of brothers in East Germany,

²⁰For example, suppose a father develops behavioral changes which are unobserved by the researcher – for example, xenophobia or alcoholism – that does not affect right-wing extremist attitudes of his older child but does affect right-wing extremism of his younger child (because, for example, the younger child is exposed to it for a longer time) and this also results in parental unemployment during childhood of the younger, but not the older child. In this case the sibling difference estimator would be upwardly biased.

family structure variables have no significant effect.²¹ The random effect estimates in Panel A also suggest a positive and significant intergenerational relationship. In contrast, sibling difference estimates are positive and statistically significant for young people living in East Germany only.²² The impact is large, suggesting that East Germans who grew up with an unemployed parent have a 6 percent higher risk of leaning towards a right-wing extremist party than those in East Germany whose parents were not unemployed during their childhood.

Estimates in Panel B report whether the impact of parental unemployment varies with the age at which it was experienced. To this end, I break down the most recent phase of parental unemployment into two mutually exclusive childhood stages: early childhood (birth to age 12) and late childhood (ages 13-16). From the theoretical considerations in Section 2, it became apparent that right-wing extremism might be triggered by parental unemployment, acting as an outlet for feelings of deprivation and socio-economic insecurity. This implicitly suggests that young people were aware of their parents' unemployment, which is more likely at an older stage of childhood. Hence, one would expect an impact of parental unemployment in late childhood rather than early childhood. Consistent with this hypothesis, Panel B in Table 6 shows a positive significant impact of parental unemployment during late childhood on right-wing party affinity in the majority of regressions. Hardly any significant effect appears for parental unemployment during early childhood.

The results for parental unemployment experience during childhood and adolescence (ages 17 and above) are shown in Panel C. Note that the point estimates from the various estimation methods are smaller in magnitude here than the corresponding ones in Panel A. This suggests that maternal and paternal unemployment during late childhood — rather than at ages 17 and

²¹I also distinguished between individuals whose mother was unmarried at their birth from individuals who had ever lived with a separated/divorced mother and individuals who experienced the death of their father during childhood. None of the three variables showed a significant association with the outcome measure.

²²Note that the imprecision of the sibling fixed effects for West Germany is not surprising since there are fewer differences in parental unemployment during childhood for siblings in the West compared to the East.

above — plays a crucial role in right-wing extremism. Similar conclusions can be drawn from the impact of parents' current unemployment (Panel D). In addition, I also run fixed-effect estimates of current parental unemployment on the propensity to feel close to a right-wing extremist party. The coefficients were not significantly different from zero with -0.002 (0.018) for West Germans, and 0.002 (0.012) for East Germans, respectively.²³

Finally, Panel E reports the impact of the number of years of maternal and paternal unemployment on affinity to a right-wing extremist party. Note that all coefficients are positive, whereas only the number of years fathers were unemployed in West Germany is significantly positive linked with right-wing extremism. On average, an additional year of paternal unemployment increases the affinity to a right-wing extremist party by one percentage point.

Every year since the start of the SOEP in 1984, respondents were asked to report their employment status in the previous year using a monthly employment calendar.²⁴ In contrast, for the years prior to 1983, parental unemployment status is available on an annual basis only. As a final exercise, I investigated the relationship between the number of months parents were unemployed during childhood and right-wing extremism for the period 1983-2003. Again, paternal unemployment duration showed a stronger positive link with right-wing extremism than maternal unemployment duration.²⁵

Taken as a whole, the results provide further evidence for Germany that there exists a pos
23 In the YYAS, young people are also asked whether their parents were unemployed in the six months prior
to the interview. This sheds further light on whether it is unemployment experience during childhood or more
recent parental unemployment at an older age that is most strongly associated with right-wing extremism. In all
but one regression, the estimates showed parental unemployment during childhood to be more strongly associated with right-wing extremism (in both magnitude and significance) than more recent parental unemployment,
experienced at older ages.

²⁴SOEP respondents are asked to mark on a calendar their monthly labor market status in previous years such as full-time employment, part-time employment, short-time contract, unemployment, etc.

²⁵However, smaller sample sizes reduced the precision of the estimates and the relationship was only significant at the 10 percent level for young people living in East Germany.

itive link between parental unemployment and young people's affinity to right-wing extremist parties. Furthermore, they indicate that parental unemployment during late childhood (ages 13-16) plays a crucial role in children's affinity to right-wing extremist parties.

10 Instrumental Variables Estimates

To investigate causal intergenerational effects, instrumental variable regressions are estimated. As a source of exogenous variation in parents' unemployment, I exploit the stark differences in unemployment rates between East and West Germany, both before and after reunification in 1990. The GDR had a centrally planned economy: prices, production and allocation of resources were state-planned, and unemployment was very low. In the years following reunification, unemployment levels surged in the area of the former GDR, reaching 20.1 percent in 2004 (ZUMA, 2005). In contrast, the West had a free market economy, with unemployment levels in the range of 3.8 to 9.3 percent during the 1980s, and 'more moderate' increases in unemployment levels than East Germany in the years following the fall of the Berlin Wall. Figure 2 depicts the development of unemployment levels in East and West Germany since 1990. A steeper increase in unemployment rates in East Germany after reunification is apparent. Figure 3 shows the proportion of young people growing up with an unemployed parent over time by using data from the YYAS, separately for individuals living in East and West Germany. The vertical line represents the year of the collapse of the Berlin Wall in 1989. The figure shows (1) that the proportion of young people with unemployed parents during childhood was close to zero in the GDR before 1989, and (2) that unemployment rates increased more dramatically there than in the West following the fall of the Berlin Wall. These huge differences over time and across both parts of Germany provide an exogenous source of variation for parental unemployment experience during childhood. For each respondent, the regression model consists of equation (1) as well as:

$$u^p = \alpha_0 + \alpha_1 childhood^{GDR} + X\alpha_3 + v. \tag{2}$$

The equations are estimated by Two Stage Least Square (2SLS), whereas equation (2) represents the first-stage equation and the variable $childhood^{GDR}$ serves as an instrument for parental unemployment during childhood.

In the SOEP and YYAS, $childhood^{GDR}$ represents the number of years an individual lived in the GDR during childhood (ages 0-16). The idea is that the more years of childhood a young person spent in the former GDR, the less likely it is that she experienced parental unemployment because the socialist state provided 'better protection' against unemployment than the free-market economy in the West. In the DJI Youth Survey, $childhood^{GDR}$ is a dummy variable that equals one if the young person lived in East Germany at age 16, and zero otherwise.²⁶

To clarify the identification strategy and interpretation of IV estimates, I now use notation for potential treatment assignments following Imbens and Angrist (1994) and Angrist (2004). To keep things simple, I focus on the DJI Youth Survey, where the instrument is a dummy variable. Define potential treatment assignments (whether children experienced parental unemployment at age 16 or not) relative to binary instrument $childhood^{GDR}$ as u_0^p and u_1^p , where u_0^p is the binary treatment if the respondent lived in FRG at age 16 $(childhood^{GDR} = 0)$ and u_1^p is the treatment if the respondent lived in GDR at age 16 $(childhood^{GDR} = 1)$. Angrist (2004) showed that 'monotonicity' is one crucial assumption for the support of IV estimation. In simple words, this assumption requires that the instrument affects treatment assignment for everyone in the same direction. Here, I assume that $u_1^p \leq u_0^p$ for all i. Since unemployment in the socialist GDR was virtually zero, nearly nobody who lived in the GDR at age 16 experienced parental unemployment, hence $u_1^p \simeq 0$ if childhood $u_1^{GDR} = 1$ and thus monotonicity

²⁶Note that in the DJI Youth Survey, the dummy variable *childhood*^{GDR} also equals one if the respondent lived in the former area of the GDR in the intermediate transition year 1991. This results in a stronger instrument and more precise estimates in the second stage.

assumption is very likely to hold. Next, I turn to the remaining assumptions for identifying IV regressions, 'first-stage' and 'independence' and present results of IV regressions.

Results of the first-stage regressions are shown in Table 7. As expected, there exists a negative association between the number of childhood years spent in the GDR and the chances of growing up with unemployed parents in both the SOEP and YYAS. The estimates suggest that having spent an additional year of childhood in the former socialist system decreased the chances of experiencing parental unemployment during childhood by around 5-6 percentage points (Columns 1-3). Similarly, those who lived in the GDR at age 16 (DJI Youth Survey) had a 14 percent lower risk of experiencing parental unemployment in late childhood compared to those in the FRG. The first-stage relationships are very strong, suggesting that the instrument is highly correlated with the potential endogenous variable.²⁷

Using the DJI Youth Survey, I also distinguish between experience of parental unemployment in East Germany during the periods 1990-1993 and 1994-1997, respectively (IV_{II}, columns 5 and 7). The probability of experiencing parental unemployment is around 11 percent and 18 percentage points higher for East than West Germans, in both periods respectively (Panel B, column 5).²⁸ This second IV strategy allows me to test for over-identification later on.

Pooled OLS and 2SLS results for young people living in Germany are presented in Table 8. Again, OLS estimates show a positive and statistically significant association with the majority of right-wing outcomes. The 2SLS point estimates are higher or of equal magnitude than the corresponding OLS results. This indicates a causal intergenerational impact of parental unemployment on children's right-wing extremism. For example, growing up with unemployed parents increases the likelihood that young Germans find it acceptable to use violent means

²⁷The t-statistics are in the range of 7-16, and the lowest F-statistic is 51. This suggests that the IV estimates are unlikely to be biased toward OLS (Staiger and Stock, 1997). Similarly, partial R² are large, also implying that the instruments are strong (Bound et al., 1995).

²⁸This is consistent with Mayer (2000) who finds higher transition rates into unemployment among East Germans in the period July 1992 - March 1997 compared to January 1990 - June 1993.

against asylum-seekers by 7 percentage points according to the liner probability estimates. The corresponding IV estimate suggest a considerable stronger effect with an estimate of around $0.18.^{29}$

Several explanations are suggested in the literature why IV estimates might yield larger point estimates than corresponding OLS results: (1) measurement error in the explanatory variable parental unemployment and (2) heterogeneity in the effect of parental unemployment experience across the population of young people. The first issue occurs if measurement error, which results in downward bias of OLS estimates, outweighs potential upward bias due to omitted variables. Measurement problems are likely to be most severe in the DJI Youth Survey and the YYAS since parental unemployment is reported retrospectively by the children. Moreover, in the DJI Youth Survey, parental unemployment is measured in one year only, which might further increase measurement error problem (due to children's recall errors). Thus, there are good reasons to believe that measurement error problem might be most severe in the DJI Youth Survey, followed by the YYAS and might be lowest in the SOEP. Finally, IV estimates might be larger because they represent the average effect of a particular and selected group of young people only. For instance, the impact of parental unemployment experience on young people's right-wing extremism might be larger among children with less-educated parents. Again using treatment effect terminology, the IV estimates capture the marginal effect for the young people who are affected by the instrument, the so-called local average treatment effect (LATE), whereas unbiased OLS estimates (i.e. in the absence of measurement error and omitted variable bias) correspond to the population average treatment effect (ATE). The present IV estimates might capture the impact of parental unemployment on young people's right-wing extremism among a sub-group of the population of young people who would have grown up with unemployed ²⁹In unreported regressions, I also estimated 2SLS models controlling only for some basic explanatory variables

²⁹In unreported regressions, I also estimated 2SLS models controlling only for some basic explanatory variables (age, year of birth, East Germany and federal state dummies). While this does change the magnitude of the intergenerational link for some outcome variables, it does not change the overall conclusions. The majority of 2SLS estimates is larger in magnitude compared to OLS estimates and precisely estimated.

parents had they lived in the former FRG. These might be primarily individual's with workingclass parents with low educational levels who would have had a higher risk of experiencing parental unemployment when growing up in a free market economy rather than in a socialist, planned economy. In fact, in the years following German reunification, unskilled and semiskilled workers in East Germany faced the highest risk of becoming unemployed (Mayer, 2000).

Furthermore, it can be shown that the LATE estimator in the present case corresponds to the average treatment effect on the treated (ATT).³⁰ To clarify this, we can partition the population of young Germans into three mutually exclusive groups. (1) 'complier children', (2) 'never-taker children' and (3) 'always-taker children'. Complier children are those who would have grown up with unemployed parents in the FRG, but not in the GDR. Never-taker children are those who would have never experienced parental unemployment during childhood, independent of the political and economic system they lived in. The group of always-taker children would consist of individuals whose parents would have been unemployed under both political regimes. However, since unemployment was virtually non-existent in the GDR, the set of always-taker children is close to zero, and therefore LATE is likely to be equal to ATT (Angrist, 2004).

growing up in the former GDR affect young people's right-wing extremism only through parental unemployment experience? It might be that growing up in a socialist, non-democratic state has a direct impact on individuals' right-wing extremism, irrespective of parental unemployment during childhood. However, existing empirical evidence does not support the hypothesis that differences in socialization between former East and West Germany account for differences in and The ATT here measures the impact of parental unemployment on right-wing extremism among those who actually experienced maternal or paternal unemployment. In the working paper version of this paper, I also estimated ATT using propensity score matching. In line with the IV results, propensity score estimates were larger in absolute value than the corresponding OLS estimates (albeit to a lower magnitude), also suggesting a positive relationship between parental unemployment experience during childhood and right-wing extremism

Do the instruments satisfy the exclusion restriction (independence)? In other words, does

(Siedler, 2006).

right-wing crime in both parts of Germany during the 1990s (Falk and Zweimüller, 2005). Similarly, Kurthen et al. (1997: 3) write in this context: "Because they [East Germans] had lived under the conditions of a second dictatorship, they were expected to harbor antidemocratic, authoritarian, and intolerant views. In response to these fears, numerous empirical studies were begun in 1990 in the former GDR on voter profiles, issues regarding the political culture, and attitudes toward foreigners. The surveys' findings were surprising to many because they revealed only slight differences in levels of antisemitism and xenophobia between East and West Germans." Moreover, using survey data for the year 1992 in East and West Germany, Weil (1997: 129) summarizes: "And again, East Germans did not differ much from West Germans in ethnic tolerance after reunification — indeed, they were often even more tolerant — even though press reports suggested that long-suppressed ethnic hatreds were free to boil over." Similar findings are reported in Klingemann and Hofferbert (1994) and Veen and Zelle (1995). Overall, evidence from a broad range of studies casts serious doubt on the hypothesis that having lived in the GDR has a direct influence on right-wing extremism and xenophobia in Germany. To further evaluate this point, the last column in Table 8 presents p-values of Sargan's (1958) test of overidentifying restrictions using IV_{II} estimation method. With the exception of the xenophobia outcome, the null hypotheses that the excluded instruments are not correlated with the error term cannot be rejected at reasonable significance levels. The result from the Sargan's test for the outcome variable xenophobia is interesting. First, it shows that Sargan's test has the power to reject the null hypothesis. Second, the xenophobia outcome captures 'very extreme' respondents. Note that less than 1 percent of respondents are xenophobic according to the definition imposed. For this small and extreme group it seems that that growing up in a socialist, non-democratic state had a direct influence on right-wing extremism. Taken together, the IV estimates provide evidence of a significant causal relationship between parental unemployment experience during childhood and young people's right-wing extremism.³¹

 $^{^{31}}$ For the West German sample, I also used the local unemployment rate at the time individuals were aged

11 Additional Sensitivity Analysis

This section examines the sensitivity of the results for the outcome variable leaning towards right-wing extremist party.

Residential Mobility Parents may have moved to avoid unemployment. I examine whether geographic mobility might bias the results by re-estimating the models on samples of young people who did not move during childhood. In the DJI Youth Survey, non-movers are defined as those still living in the federal state where they were born. In the YYAS, I define non-movers as those who did not move to a different town during childhood. Geographic mobility is low in Germany: 78 percent in the YYAS did not move to a different town during their childhood and around 90 percent in the DJI Youth Survey still live in their federal state of birth. Panel A of Table 9 shows estimates on samples of non-movers. The results are very similar to previous level estimates, suggesting that geographic mobility is not a cause of concern.

Misreporting of Right-Wing Extremism Young people might hide the fact that they have right-wing extremist views. In particular, this could be true if parents or an interviewer are present at the time of the interview. If misreporting is systematically related to parental unemployment, then estimates are biased. I try to control for potential misreporting problems by examining whether the inclusion of additional explanatory variables and their interaction with parental unemployment, such as whether respondents answered questionnaire with interviewer present (SOEP) and presence of a third party at the time of the interview (DJI Youth Survey), change the estimates. Results are presented in Panel B, Table 11. The results are mixed. Estimates based on the DJI Youth Survey indicate that misreporting might be a problem. In the absence of a third party at the interview, respondents in the DJI Youth Survey who experienced parental unemployment were more likely to report right-wing behavior and xenophobia. The opposite was true for SOEP respondents with respect to the presence of an 16 and whether respondents lived in urban areas as potential instruments. Unfortunately, these IV candidates were not very strong.

interviewer.

12 Summary and Discussion

This paper examined whether parental unemployment experience during childhood increases the risk that young people in Germany become right-wing extremist. Estimates from cross-sectional regressions suggest that the experience of parental unemployment during childhood is significantly positive associated with right-wing extremist attitudes and anti-foreign sentiments for young people aged 16-29. For example, young Germans who grew up with an unemployed parent are 3-5 percentage points more likely to participate in a skinhead / neo-Nazi group. These are large effects, given that around 2 percent of respondents indicate having participated in skinhead / neo-Nazi groups. The intergenerational relationship is stronger in significance and magnitude for young male Germans.

By exploiting large differences in unemployment levels between East and West Germany, both before and after German reunification as an exogenous variation in parental unemployment, this paper provides evidence of a causal relationship between parental unemployment during childhood and young people's right-wing extremism. The majority of 2SLS estimates are larger in magnitude than the corresponding OLS results. Panel data estimates (and propensity score matching methods) also point to a positive intergenerational relationship. Overall, three different data sets lead to similar conclusions: growing up with unemployed parents significantly increases young people's right-wing extremism in Germany. It is reassuring that the main conclusions appear to hold across varying data sets, time periods, outcome measures and differences in estimation methods.

Finally, some cautionary notes are in order here. First, it is not an easy task to control for any unobservable characteristics possibly influencing both parental unemployment and rightwing extremism. Different estimation methods rely on different identifying assumptions which are, depending on readers' beliefs, open to criticism. However, by applying a broad range of methods with different strengths and weaknesses, this paper aims to provide a more convincing picture than a study using one method only. Second, the results presented here do not necessarily carry over to other countries and other time periods. Third, the impact of peer group effects has not been investigated here. Interaction with peers may influence young people's political attitudes. For instance, growing up in an area where right-wing culture is strong may increase young people's susceptibility to right-wing extremism. Moreover, it is important to stress that right-wing extremism is a complex and multifarious phenomena: having found a causal relationship between parental unemployment during childhood and right-wing extremism does not mean that there are no other possible channels of influence. Similarly, unemployment might be associated with other extremist behavior as well, such as left-wing extremism or criminal activities. Clearly, it is important for future research to investigate other mechanism that may further explain extremism.

13 References

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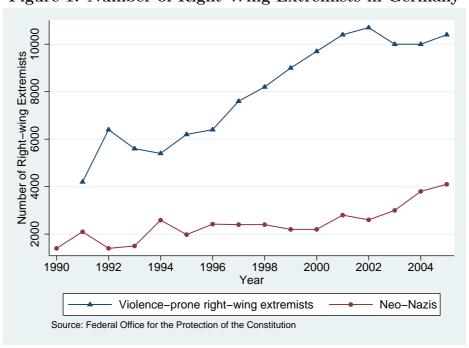


Figure 1: Number of Right-Wing Extremists in Germany

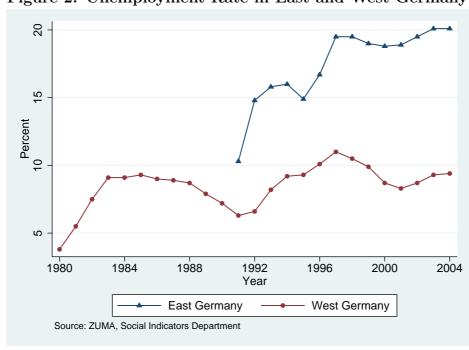


Figure 2: Unemployment Rate in East and West Germany

Figure 3: Proportion of Young People with Unemployed Parents by Region of Residence (East versus West Germany) and Year

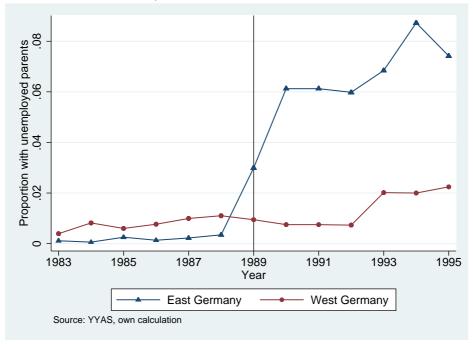


Table 1: Means of the Outcome Variables by Data Set, Region of Residence and Parental Unemployment

	gioii oi		ance an	ומ ז שוכו	residence and ratemar onemprofinem	in pioy	HIGHE					
		German Socio-	ι Socio-		Y	outh an	Youth and Young	വദ		DJI Youth	outh?	
		Economic Panel	ic Panel			Adult Survey	Survey			Survey	vey	
	Ĕ	East	West	sst	Ea	East	West	st	East		West	st
	Gerr	Germany	Germany	nany	Germany	nany	Germany	nany	Germany	nany	Germany	nany
Outcomes	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)
Leaning towards right-wing												
extremist party	0.054	0.097	0.020	0.046	0.030	0.091	0.026	0.014	0.029	0.090	0.023	0.101
N	799	432	3,437	1,084	1,270	121	2,181	145				
Participation in skin-												
head / neo-Nazi group					0.015	0.048	0.015	0.036	0.014	0.070	0.009	0.062
$\sim N$					2,021	249	3,243	223				
Right-wing political views									0.03	0.092	0.035	0.085
Totally or strongly agree with: "When there is a shortage												
of jobs, foreigners should be sent back to their home country"									0.36	0.476	0.201	0.372
"It would be better if												
all foreigners left Germany"									0.180	0.280	0.108	0.209
Acceptable to:												
Use violent means												
against asylum-seekers a									0.054	0.138	0.029	0.123
Right-wing extremist behavior									0.007	0.042	0.004	0.015
Xenophobia									0.019	0.067	0.007	0.054
N									2,917	357	5,797	129

Notes: N is person-year observations in the SOEP and the number of individuals in the Youth and Young Adult Survey and the DJI Youth Survey.

⁽¹⁾ No parental unemployment during childhood;

⁽²⁾ Parental unemployment during childhood.

^a Number of observations for this outcome variable are: 1,395; 246; 2,646 and 81.

Table 2: Parental Unemployment and Right-Wing Extremism

ısm						
	German	German Socio-	Youth ar	Youth and Young	DJI Youth	/outh
	Econom	Economic Panel	Adult	Adult Survey	Survey	vey
	East	West	East	West	East	West
Outcomes	Germany	Germany	Germany	Germany	Germany	Germany
Panel A						
Leaning towards right-wing extremist party	0.054**	0.021*	0.051**	-0.017	0.046**	0.067**
	(0.026)	(0.011)	(0.019)	(0.013)	(0.010)	(0.014)
Participation in skinhead / neo-Nazi group			0.030^{**}	0.022**	0.044^{**}	0.048**
Right-wing political views			(0.010)	(6,000)	$(0.008) \ 0.045**$	$(0.009) \\ 0.040**$
· ((0.011)	(0.017)
Panel B						
Totally or strongly agrees with:						
"When there is a shortage of jobs,						
foreigners should be sent back						
to their home country"					0.059**	0.131**
					(0.027)	(0.034)
"It would be better if all						
foreigners left Germany"					0.049**	0.073^{**}
					(0.023)	(0.027)
Acceptable to:						
Use violent means						
against asylum-seekers					0.054**	0.083**
					(0.018)	(0.020)
Panel C						
Right-wing extremist behavior			0.038**	-0.001	0.030**	0.009
			(0.010)	(0.003)	(0.006)	(0.000)
Xenophobia					0.027**	0.042**
					(0.009)	(0.008)

year clustering. Each estimate represents the coefficient from a different regression. * significant at the 10 percent, ** significant at the 5 percent level. Other explanatory variables are age, year of birth, female, mother's and father's highest school degree (three groups: no degree or secondary general school degree, intermediate school degree, high school degree), young people's highest school degree (four rate, proportion of foreigners in federal state, and a maximal set of year dummies, district size dummies and federal state of residence groups: no degree or secondary general school degree, intermediate school degree, high school degree, still in school), local unemployment Notes: OLS regressions with standard errors in parentheses. In regressions based on the SOEP, standard errors are corrected for persondummies. Regressions based on the DJI Youth Survey also control for father's occupation (five groups).

Table 3: Parental Unemployment, Economic Insecurity, Political Disaffection and Propensity to feel close to Right-Wing Extremist Party

KI	ıgnt- w	ing Ex	gnt-Wing Extremist Farty	Farty							
		Germa	German Socio-Economic	nomic		Youth ar	Youth and Young		DJI Youth	outh	
Selected Covariates	(1)	(2)	Fanel (3)	(4)	(5)	$\begin{array}{c} \text{Adult} \\ (1) \end{array}$	Adult Survey (1) (6)	(1)	Survey (2)	vey (3)	(9)
Panel A East. Germany											
Young people's own unemployment	0.091**	0.082*	0.078*	0.077*	0.076*	0.023**	0.037**	0.037**	0.035**	0.033**	0.034**
Worried about financial situation	(0.0)	0.032^{*}	0.026	0.026*	0.027	(100:0)	(010:0)	(110:0)	0.006	0.005	0.002
Feels disadvantaged by reunification		(0.017)	(0.017)	(0.010)	(0.010)				(0.000)	0.008	0.004
No trust into politicians/government							0.033**			(6,00.0)	0.025**
Parents are worried about finances			0.037**	0.020	0.021		(0.019)				(0.001)
Parents lean toward right-wing extremist party			(0.017)	0.584^{**}	$(0.015) \\ 0.583** \\ (0.101)$						
Parents are very much in favor of democracy				(0.101)	0.038						
Parental unemployment during childhood	0.054^{**} (0.026)	0.055* (0.026)	0.049* (0.025)	0.044^{**} (0.023)	(0.029) 0.044^{**} (0.023)	0.031** (0.010)	0.060** (0.022)	0.054** (0.011)	0.054^{**} (0.011)	0.054^{**} (0.011)	0.053^{**} (0.011)
N			1,216			1,378	709		3,1	3,103	
Panel B Weet Garmony											
west conmany Young people's own unemployment	0.013	0.005	0.005	0.006	0.005	0.022**	0.021	0.051**	0.046**	0.045**	0.043**
Worried about financial situation	(0.024)	0.035** $0.035**$	0.035**	0.024 0.034**	(0.023) $0.034**$	(0.010)	(0.010)	(0.011)	0.015** $0.015**$	0.011) $0.013**$	0.012^{**}
Feels disadvantaged by reunification		(0.014)	(0.014)	(0.014)	(0.014)				(0.004)	0.020**	0.018**
No trust into politicians/government							0.032**			(00.0)	0.016**
Parents are worried about finances			0.003	0.001	0.001		(0.019)				(0.000)
Parents lean towards right-wing extremist party			(0,000)	0.336**	0.334**						
Parents are very much in favor of democracy				(0.110)	(0.119) -0.017						
Parental unemployment during childhood	0.021^* (0.012)	0.020*	0.020*	0.021* (0.011)	0.022**	-0.020	-0.030	0.067**	0.066** (0.015)	0.066** (0.015)	0.065**
Notes: See notes to Table 2.	(110:0)	(1100)	(++0.0)	(++0.0)	(110.0)	(110.0)	(*10:0)	(0.00)	(0.000)	(0.00)	(0.0.0)

Table 4: Parental Unemployment and Right-Wing Extremism by Gender and Region

	•	o Co mer		citaci ana region	1101							
		SOEP	EP		Youth	and Your	Youth and Young Adult Survey	urvey		DJI Youth Survey	h Survey	
	M	Men	Woı	Women	Mo	Men	Women	nen	Men	en e	Women	nen
	East	West	East	West	East	West	East	West	East	West	East	West
Leaning towards right-												
wing extremist party	0.055^{*}	0.038*	0.040	0.008	0.095**	-0.027	0.014	-0.010	0.082**	0.114**	0.007	0.028*
Participation in skin- /	(0.029)	(0.023)	(0.039)	(0.012)	(0.035)	(0.024)	(0.016)	(0.013)	(0.019)	(0.024)	(0.011)	(0.014)
head neo-Nazi group					0.037**	0.027**	0.022**	0.015	0.068**	0.041**	0.018**	0.053**
Right-wing political views					(0.018)	(0.013)	(0.011)	(0.013)	(0.015)	0.016	(0.006)	(0.009)
Control Control Control									(0.019)	(0.028)	(0.010)	(0.018)
Totally or strongly agree with:												
"When there is a shortage of												
jobs, foreigners should be sent												
back to their home countries"									0.098**	0.104**	0.020	0.157**
									(0.038)	(0.051)	(0.039)	(0.046)
"It would be better if all												
foreigners left Germany"									0.072**	0.111^{**}	0.031	0.042
									(0.033)	(0.041)	(0.032)	(0.036)
Acceptable to:												
Use violent means												
against asylum-seekers									0.077**	0.098**	0.030*	0.067**
									(0.030)	(0.033)	(0.019)	(0.023)
Right-wing behavior									0.102**	0.079**	0.025**	900.0
									(0.020)	(0.013)	(0.000)	(0.007)
Xenophobia									0.050**	0.122**	0.005	0.033**
									(0.015)	(0.024)	(0.008)	(0.012)

Notes: OLS regressions with standard errors in parentheses. In regressions based on the SOEP, standard errors are corrected for person-year clustering. Each estimate represents the coefficient from a different regression. * significant at the 10 percent, ** significant at the 5 percent level. Other explanatory variables are age, year of birth, female, mother's and father's highest school degree (three groups: no degree or secondary general school degree, intermediate school degree, high school degree), young people's highest school degree (four groups: no degree or secondary general school degree, intermediate school degree, high school degree, still in school), local unemployment rate, proportion of foreigners in federal state, and a maximal set of year dummies, district size dummies and federal state of residence dummies.

Table 5: Parental Unemployment and Right-Wing Extremism by Parental Income Groups (SOEP)

		,		
	Hous	sehold inc	ome quar	tiles
Selected covariates	Bottom	2^{nd}	3^{rd}	Top
East Germany				
Parental unemployment during childhood	0.046	0.031	-0.019	0.099
	(0.092)	(0.062)	(0.051)	(0.062)
Average household income	22,279	28,524	34,311	46,680
West Germany				
Parental unemployment during childhood	0.026	0.046	0.038*	-0.015
	(0.017)	(0.030)	(0.021)	(0.010)
Average household income	23,444	31,400	39,781	60,693

Notes: OLS regressions with standard errors in parentheses. Standard errors are corrected for person-year clustering. Each estimate represents the coefficient from a different regression. * significant at the 10 percent, ** significant at the 5 percent level. Other explanatory variables are age, year of birth, female, mother's and father's highest school degree (three groups: no degree or secondary general school degree, intermediate school degree, high school degree), young people's highest school degree (four groups: no degree or secondary general school degree, intermediate school degree, high school degree, still in school), local unemployment rate, proportion of foreigners in federal state, and a maximal set of year dummies, district size and federal state of residence dummies. Average household income is post-government household income averaged over all childhood years (0-16) positive income information is available (expressed in 2000 Euros).

Table 6: Parental Unemployment and Leaning towards Right-Wing Extremist Party (SOEP)

		$\mathbb{L}\mathrm{S}^a$	Randoi	$m \text{ effect}$ $nates^a$		$\frac{1}{1}$ $\frac{1}$
Selected Covariates	East	West	East	West	East	West
Panel A						
Parental unemployment						
during childhood (0-16)	0.055^{**}	0.020^{*}	0.061^{**}	0.020**	0.058**	0.011
	(0.026)	(0.011)	(0.027)	(0.010)	(0.023)	(0.009)
Only child	-0.009	0.010				
	(0.030)	(0.020)				
Number of sisters	0.022	-0.001				
	(0.020)	(0.004)				
Number of brothers	0.033^{*}	0.001				
	(0.019)	(0.006)				
Ever lived in a non-intact						
family $(0-16)$	-0.021	0.015				
	(0.029)	(0.013)				
Panel B						
Most recent parental						
unemployment at ages:						
0-12	-0.031	0.026	-0.022	0.015	0.046*	0.004
	(0.026)	(0.018)	(0.047)	(0.013)	(0.025)	(0.011)
13-16	0.053^{*}	0.012	0.076**	0.022	0.069**	0.020^{*}
	(0.028)	(0.012)	(0.028)	(0.013)	(0.034)	(0.011)
Panel C						
Parental unemployment during						
childhood and adulthood	0.031^*	0.014*	0.020	0.015		
	(0.017)	(0.008)	(0.018)	(0.008)		
Panel D						
Parental unemployment during						
during childhood (0-16)	0.052^{**}	0.017	0.058**	0.020**		
	(0.026)	(0.011)	(0.028)	(0.010)		
Current parental unemployment	0.022	-0.006	0.014	0.002		
	(0.020)	(0.012)	(0.014)	(0.009)		

Continued on next page

Table 6 – continued from previous page

	0011011		Респец	Page		
	OI	LS^a		m effect $ates^a$		$\log \operatorname{diff}$ rates^b
Selected Covariates	East	West	East	West	East	West
Panel E						
Number of years mother						
was unemployed during childhood	0.008	0.001	0.006	0.001	0.026	0.007
	(0.010)	(0.003)	(0.008)	(0.004)	(0.017)	(0.006)
Number of years father	,	,	,	,	,	,
was unemployed during childhood	0.015	0.008*	0.012	0.009**	-0.029	0.014^{**}
- 3	(0.013)	(0.004)	(0.010)	(0.003)	(0.020)	(0.007)

Notes: * significant at the 10 percent, ** significant at the 5 percent level.

^a Other explanatory variables are age, year of birth, female, mother's and father's highest school degree (three groups: no degree or secondary general school degree, intermediate school degree, high school degree), young people's highest school degree (four groups: no degree or secondary general school degree, intermediate school degree, high school degree, still in school), local unemployment rate, proportion of foreigners, a maximal set of year dummies, district size and state of residence dummies.

^b Linear probability models. Other explanatory variables used were the sibling (differences) in age, year of birth, female, highest school degree and a constant. Standard errors are robust to any form of correlation between siblings.

Table 7: First-Step Regressions

	Table	table 7: First-Step Regressions	Regression	vo.		
	SOEP	YYAS	18	N If O	DJI Youth Survey	
	Right-wing	Right-wing	Skinhead	All outcomes except		Attitudes toward
	$\underset{(1)}{\operatorname{party}}$	$\frac{\text{party}}{(2)}$	$\operatorname{group}_{(3)}$	of asylum-seekers		asylum-seekers (5)
Danol A (III.)	(+)	4	(0)		(0)	
Number of childhood						
years lived in GDR	-0.047**	-0.061**	-0.063**			
	(0.006)	(0.005)	(0.004)			
Lived in GDR at age 16				-0.140**	-0.131**	*
				(0.009)	(0.015)	
$Panel \ B \ (IV_{II})$						
Parental unemployment in East						
Germany in the years:						
1990-1993				0.109**	*	0.050**
				(0.010)		(0.018)
1994-1997				0.183**	*	0.172**
				(0.011)		(0.018)
Partial $ m R^2$	0.022	0.042	0.048	0.022 0.028	3 0.015	0.020
F-Statistic	126.6	162.06	289.42	230.07 268.3	76.97	51.29
7 K	7 7 8	3	200	9		000
N	5,752	3,717	5,736	9,200	`	4,308
		, .	F			(.1

Notes: Other explanatory variables are age, year of birth, female, East Germany, mother's and father's highest school degree (three groups: no degree or secondary general school degree, intermediate school degree, high school degree), young people's highest school degree (four groups: no degree or secondary general school degree, intermediate school degree, high school degree, still in school), local unemployment rate, local unemployment rate, proportion of foreigners in federal state, and a maximal set of year dummies, district size dummies and state of residence dummies. Regressions based on the DJI Youth Survey also control for father's occupation (five groups: worker, blue-collar worker, white-collar worker, self-employed, other).

Table 8: OLS and Instrumental Variable Estimations

22 33 44		0.00	Venteb en	Nouse a		11 Vout		
	German Socio-	. S0C10-	routh ar	routh and roung	7	DJI routn	_	
	Economic Panel	c Panel	Adult	Adult Survey		Survey		
Outcomes	OLS	IV	OLS	IV	OLS	IV_I	IV_{II}	Test^a
Leaning towards right-wing								
extremist party	0.027**	0.034	0.012	0.008	0.052**	0.121**	0.059	0.61
	(0.011)	(0.057)	(0.011)	(0.053)	(0.008)	(0.051)	(0.046)	
Participation in skinhead /								
neo-Nazi group			0.025**	0.063**	0.047**	0.071**	0.053*	0.12
			(0.007)	(0.030)	(0.000)	(0.036)	(0.033)	
Right-wing political views					0.046**	0.124**	0.083	0.47
					(0.000)	(0.058)	(0.052)	
Totally or strongly agree with:								
"When there is a shortage of jobs.								
foreigners should be sent back								
to their home countries"					**080 0	0 1 8 8	**6760	ο Σ
					(0.020)	(0.129)	(0.116)	9
f; "ottod od blirom +1"					(0.010)	(271.0)	(011.0)	
it would be better it								
all foreigners left Germany"					0.064^{**}	0.231**	0.212^{**}	0.54
Accentable to					(0.010)	(0.104)	(0.094)	
incoposition.								
Use violent means								
against asylum-seekers b					0.068**	0.175*	0.190**	0.07
					(0.012)	(0.093)	(0.080)	
Right-wing behavior			0.016**	0.065**	0.024**	0.047**	0.022	0.18
			(0.004)	(0.021)	(0.004)	(0.025)	(0.022)	
Xenophobia					0.037**	0.192**	0.156**	0.00
					(0.005)	(0.037)	(0.032)	
781 0101 1		7			` .	\ . - -		

proportion of foreigners in federal state, and a maximal set of year dummies, district size dummies and state of residence dummies. ^a Figures are p-values of Sargan's test of overidentifying restrictions and the test has one degrees of freedom. b Number of observations is Notes: Pooled OLS and IV regressions for East and West Germany with standard errors in parentheses. Each estimate represents the coefficient from a different regression. * significant at the 10 percent, ** significant at the 5 percent level. Other explanatory variables are age, year of birth, female, East Germany, mother's and father's highest school degree (three groups: no degree or secondary general school degree, intermediate school degree, high school degree), young people's highest school degree (four groups: no degree or secondary general school degree, intermediate school degree, high school degree, still in school), local unemployment rate, local unemployment rate,

Table 9: Robustness Checks (Dependent variable: Leaning towards right-wing extremist party)

	9111	(formal particularity) Street Part (hand)	(60 -			
	Germar	German Socio-	Youth and Young	d Young	DJI Youth	outh
	Economic Panel	ic Panel	Adult Survey	Survey	Survey	vey
	East	West	East	West	East	West
Selected Covariates	Germany	Germany	Germany	Germany	Germany	Germany
Panel A (excluding movers)						
Parental unemployment			0.057**	-0.006	0.047**	0.070**
			(0.020)	(0.018)	(0.011)	(0.015)
Panel B						
Parental unemployment $\times (1 - Interview)^a$	0.059**	0.025*			-0.009	0.041
	(0.027)	(0.015)			(0.027)	(0.031)
Parental unemployment \times Interview ^a	0.024	0.007			0.060**	0.077**
	(0.045)	(0.011)			(0.016)	(0.021)

Notes: ^a In the SOEP, the dummy variable *Interview* equals one if questionnaire was filled out without interviewer present, and zero otherwise. In the DJI Youth Survey, Interview equals one if no third person was present at the time of the interview, and zero otherwise. For other covariates included in regressions see notes to Table 2.

14 Appendix

Table 1: Variable Definitions

Leaning towards an extremist Distribute party in the long term, even if they occasionally vote for another party. Deven they they occasionally vote for another party. The ven if they occasionally vote for another party. The ven if they occasionally vote for another party. If respondents answer with yes, they are asked: "Which party do you lean toward?" YYAS "Overall, which political party are you closest to?" The very general terms, what do you think of the political parties here in Germany? Please answer on a scale of +5 to 5, with +5 meaning that you have the highest possible opinion of the party. The values in between can be used to express varying degrees of positive or negative opinion." Participation in skinhead YYAS "On these cards are the names of a few groups of people who have been the subject of much public discussion recently. What is your attitude towards these groups?" "In our society there are some organizations with formal membership, but also other less formally organized groups and movements that one can view positively and be actively involved with. Please go through the list with me now and tell me whether you like each group, whether or not you are actively involute the nor on you are actively involute with the your reject them," Amone them were.	4	Respondent can choose: (1) SPD; (2) CDU; (3) CSU; (4) FDP; (5) Bündnis90/Die Grüne; (6) DVU/Republikaner; (7) other. Respondent can choose: (1) CDU; (2) SPD; (3) DSU; (4)) FDS; (5) Bündnis90/Die Grünen; (6) FDP; (7) CSU; (8) Republikaner; (9) other; (10) none. Respondents can indicate on the scale among the following parties; (1) CDU; (2) SPD; (3) CSU; (4) FDP; (5) Bündnis90/Die Grüne; (6) Republikaner. Among others, the group "Skinheads" was mentioned. Answer options: (1) I count myself as one of them; (2) I like them; (3) I do not care much about them either way; (4) I cannot stand them; (5) I oppose them; (6) I have never heard of them.	1990 - 2004 1991, 1996 1992, 1997	Variable equals one if a respondent names DVU or Republikaner, and zero otherwise. Respondents who choose (7) are excluded from the analysis respondent names Republikaner, and zero otherwise. Respondents who choose (9) are excluded from the analysis Variable equals one if a respondent icks the box +5 or +4 respondent ticks the box +5 or +4 otherwise.
YYAS DJI DJI Skinhead YYAS	o of de de	Asspondent can choose: (1) CDU; (2) SPD; (3) DSU; (4)) (2DS; (5) Bündnis90/Die Grünen; (6) (2) Other; (10) none. Asspondents can indicate on the ricale among the following parties: (1) CDU; (2) SPD; (3) CSU; (4) (3) PD; (5) Bündnis90/Die Grüne; (6) Among others, the group Skinheads" was mentioned. Among others, the group Skinheads" was mentioned. Answer options: (1) I count myself as one of them; (2) I like them; (3) do not care much about them iither way; (4) I cannot stand them; (5) I oppose them; (6) I have never reactions of them.	1991, 1996 1992, 1997 1991, 1996	Variable equals one if a respondent names Republikaner, and zero otherwise. Respondents who choose (9) are excluded from the analysis Variable equals one if a respondent ticks the box +5 or +4 for (6) Republikaner, and zero otherwise.
bJI skinhead YYAS	of of the de	Asspondents can indicate on the reale among the following parties: 1) CDU; (2) SPD; (3) CSU; (4) TDP; (5) Bindnis90/Die Grüne; (6) Aspublikaner. Among others, the group Skinheads" was mentioned. Answer options: (1) I count myself as one of them; (2) I like them; (3) do not care much about them ither way; (4) I cannot stand them; (5) I oppose them; (6) I have never	1992, 1997 1991, 1996	quals one if a t ticks the box publikaner, and
skinhead YYAS	of de tith y	Among others, the group 'Skinheads" was mentioned. Answer options: (1) I count myself is so ne of them; (2) I like them; (3) do not care much about them iither way; (4) I cannot stand them; (5) I oppose them; (6) I have never reard of them.	1991, 1996	
	ith y	A one delone o.		Variable equals one if a respondents chooses (1), and zero otherwise. Respondents who answer (6) are excluded from the analysis.
(1) Skinheads; (2) Fascists or Neo-Nationalist groups.		Answer options: (1) I like them and I am actively involved with them; (2) I like them and sometimes attend meetings or events; (3) I like them but am not actively involved with them; (4) I nether like nor dislike them: (5) I reject them; (6) I am not familiar with this group.	1992, 1997	Variable equals one if a respondent chooses (1) or (2), and otherwise. Respondents who choose (6) are excluded from the analysis.
Right-wing political views DJI "Many people use the terms 'left' and 'right' to describe differing political views. Here we have a scale that runs from left to right. If you think of your own political views, where would you place them on this scale. Please tick one of the boxes."		Respondents can answer on a 10 point scale from (1) left to (10) right.	1992, 1997	Variable equals one if a respondent chooses (9) or (10), and zero otherwise.
"When there is a shortage of jobs, foreigners should be sent expressed about foreigners. Please state the back to their home countries" Amound be better if all foreigners left Germany" (2) "It would be better if all foreigners left Germany" (2) "It would be better if all foreigners left Germany" (2) "It would be better if all foreigners left Germany" (3) "It would be better if all foreigners left Germany" (4) "Arbin there is a shortage of jobs, foreigners foreigners left Germany" (5) "It would be better if all foreigners left Germany" (6) "It would be better if all foreigners left Germany" (7) "It would be better if all foreigners left Germany" (7) "It would be better if all foreigners left Germany" (8) "It would be better if all foreigners left Germany" (9) "It would be better if all foreigners left Ge	s rs rmany".	Respondents can answer on a 6 point scale from (1) totally agree to (6) totally disagree	1997	Variable equals one if a respondent chooses (1), and zero otherwise.
"Using violent means to make it DJI "There are a number of political acts and situation clear to asylum-seekers that they should return to their they should return to their home country." "There are a number of political acts and situation that can be judged in different ways. Please tell me whether to viole them was: "Using violent means to make act and situation the circumstances." "Using violent means to make it clear to asylumseekers that they should return to their home	su	Answer options: (1) acceptable (2) unacceptable (3) depends on the circumstances.	1997	Variable equals one if a respondent chooses (1), and zero otherwise.
Right-wing behavior YYAS Connetty Cancarded variable. Variable equals one if a respondent skinhead neo-Nazi group, and zero otherwise. DJI Generated variable. Variable equals one if a respondent skinhead neo-Nazi group; and (3) has right-wing political skinhead neo-Nazi group; and (3) has right-wing political skinhead neo-Nazi group; and (3) has right-wing political politi	Countay. Generated variable. Variable equals one if a respondent is (1) Leaning towards a right-wing extremist party; and (2) Participating in a skinhead neo-Nazi group, and zero otherwise. Generated variable. Variable equals one if a respondent is (1) Leaning towards a right-wing extremist party; and (2) Participating in a skinhead neo-Nazi group; and (3) has right-wing political views, and zero otherwise. Generated variable. Variable equals one if a respondent agrees with all three anti-foreign statements listed above, and zero otherwise. changed slightly over the years outcomes are measured.	(1) Leaning towards a right-wing extrential. Leaning towards a right-wing extrentiews, and zero otherwise.	mist party; and mist party; and nts listed above	(2) Participating in a(2) Participating in a, and zero otherwise.

Table 2: Summary Statistics by Sample

Table 2: Summary Statistics	v 1	373740	DILIZ
Covariates	SOEP	YYAS	DJI Youth
	22.42	22.0=	Survey
Age	23.42	22.07	22.36
	(3.98)	(3.87)	(4.29)
Year of birth	1975.97	1970.98	1972.02
Female	0.429	0.506	0.480
East Germany	0.243	0.396	0.356
Highest school degree			
No degree or secondary general school degree	0.195	0.203	0.162
Intermediate school degree	0.370	0.396	0.357
High school degree	0.306	0.247	0.420
Still in schooling	0.129	0.154	0.061
Mother's highest school degree			
No degree or secondary general school degree	0.457	0.465	0.465
Intermediate school degree	0.420	0.375	0.385
High school degree	0.123	0.160	0.150
Father's highest school degree			
No degree or secondary general school degree	0.451	0.426	0.397
Intermediate school degree	0.343	0.321	0.339
High school degree	0.206	0.253	0.264
Parental unemployment during childhood	0.289	0.082	0.053
District size (number of inhabitants)			
< 2,000	0.102	0.097	0.109
2,000-5,000	0.146	0.103	0.088
5,000-20,000	0.202	0.183	0.201
20,000-50,000	0.176	0.130	0.158
50,000-100,000	0.092	0.095	0.079
100,000-500,000	0.166	0.185	0.193
$\geq 500,000$	0.116	0.207	0.172
Proportion of foreigners in state of residence	8.30	6.34	7.35
•	(3.89)	(4.93)	(4.61)
Local unemployment rate in state of residence	11.15	11.47	11.89
<u>. </u>	(4.71)	(5.25)	(5.29)
Number of indidviduals	1,786	5,736	9,200
Additional covariates	,	,	,
Blue-collar worker			0.426
White-collar worker			0.366
Civil servant			0.085
Self-employed			0.100
Other			0.023
Young people's own unemployment	0.057	0.202	0.064
			on novt page

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Table 2 – continued from previous page

	SOEP	YYAS	DJI Youth
			Survey
Worried about financial situation	0.212		0.479
Feels disadvantaged by reunification			0.239
No trust into politicians/government		0.372	0.281
Parents are worried about finances	0.279		
Parents lean towards right-wing extremist party	0.010		
Parents are very much in favor of democracy	0.496		
Number of years mother was unemployed during childhood	0.476		
	(1.318)		
Number of years father was unemployed during childhood	0.436		
	(1.343)		
Non-movers	, ,	0.776	0.906
Interview	0.194		0.836

Notes: Figures are sample means with standard deviations in parentheses. In the SOEP, sample means are measured in the last year individuals are observed in the panel.