



Megatrends, fertile frontiers (and observations)

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MEGA TRENDS

- Working with industry: commercial data
- Transdisciplinary biosocial genetic research
- Big data and technology
- What I learned in the last 48 hours

WORKING WITH INDUSTRY





eDarling

Für anspruchsvolle Singles

Melden Sie sich **KOSTENLOS** an

& finden Sie den Partner, der wirklich zu Ihnen passt.

Ich bin eine Frau ein Mann

Ich suche eine Frau einen Mann

E-Mail-Adresse

Mit Registrierung gelten unsere [AGB](#) und [Datenschutzbestimmungen](#)

JETZT KOSTENLOS ANMELDEN ▶

Persönliche Daten werden
höchst vertraulich behandelt.



RELATIONSHIPS IN THE DIGITAL AGE

Racial Preferences in Online Dating across European Countries

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Abstract

Knowledge about how race governs partner selection has been present in the United States, yet it is unclear whether these results can be generalized to other countries and immigration patterns. Using a large-scale sample of online daters, we investigate partner engagement in the first cross-national analysis of race-related partner preferences between contextual factors and ethnic selectivity. We provide a unique test of group identification theories. We show that individuals uniformly prefer partners of their own race and that there is a hierarchy of preferences both among natives and immigrants and differences are also found. Europeans living in countries with a large immigrant population show increased preference for minority groups. The ethnically heterogeneous group shows the strongest preference for minorities, with the more homogeneous group showing a preference for non-Arabic minority daters belonging to large-size communities. Anti-immigrant attitudes are related to stronger in-group preferences. The results have implications for immigrant integration in Europe.

Journal of Marriage and Family



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WIEBKE NEBERICH *Affinitas GmbH***

Relationship Preferences Among Gay and Lesbian Online Daters: Individual and Contextual Influences

There is currently little knowledge about what gay men and lesbians seek in a romantic rela-

The past decades have witnessed a continued rise in the visibility and legal rights of same-sex



HARVESTING NEW TYPES OF DATA



AFP

DRAMATIC FERTILITY POSTPONEMENT

First births 4 years later

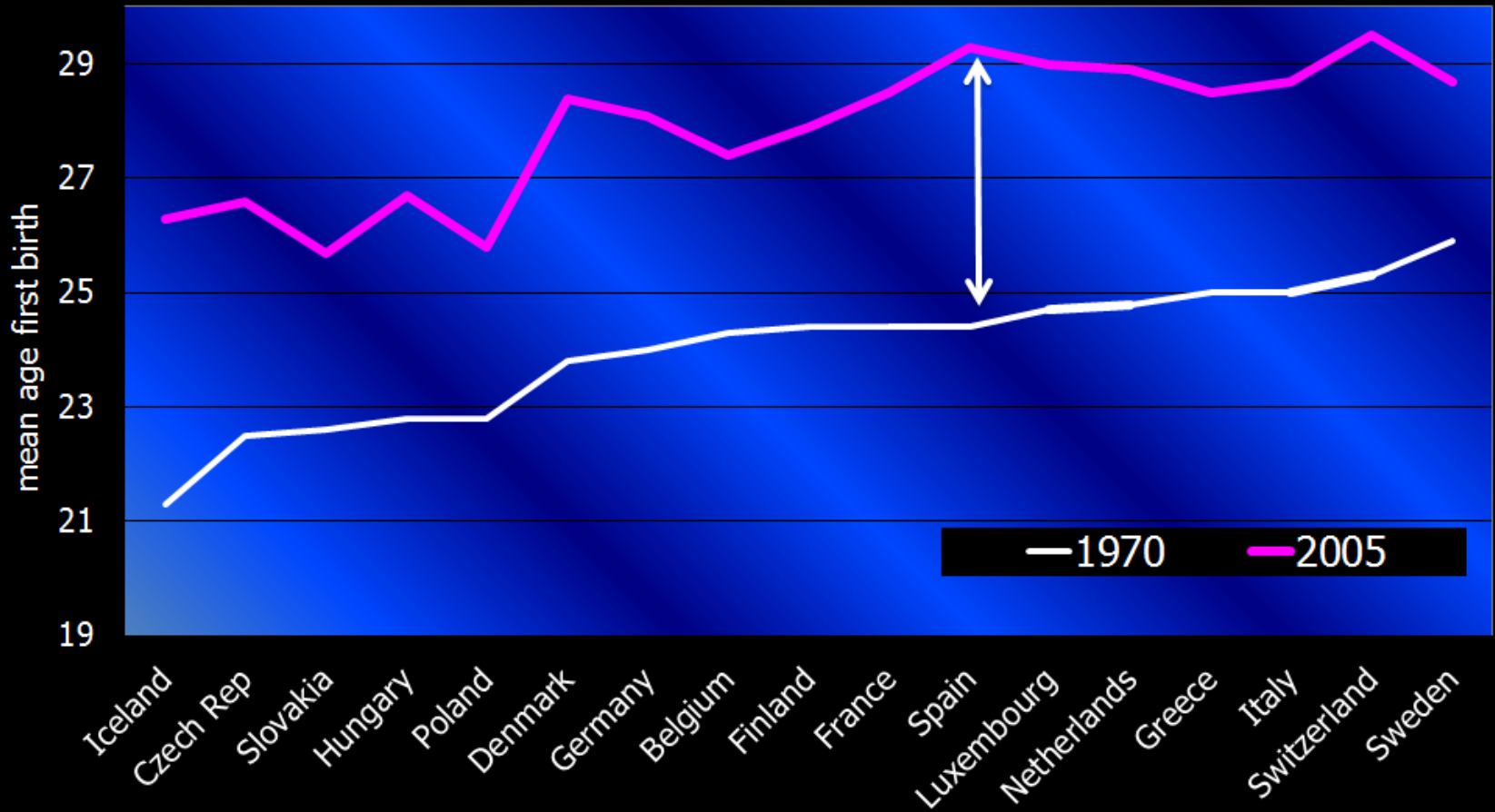
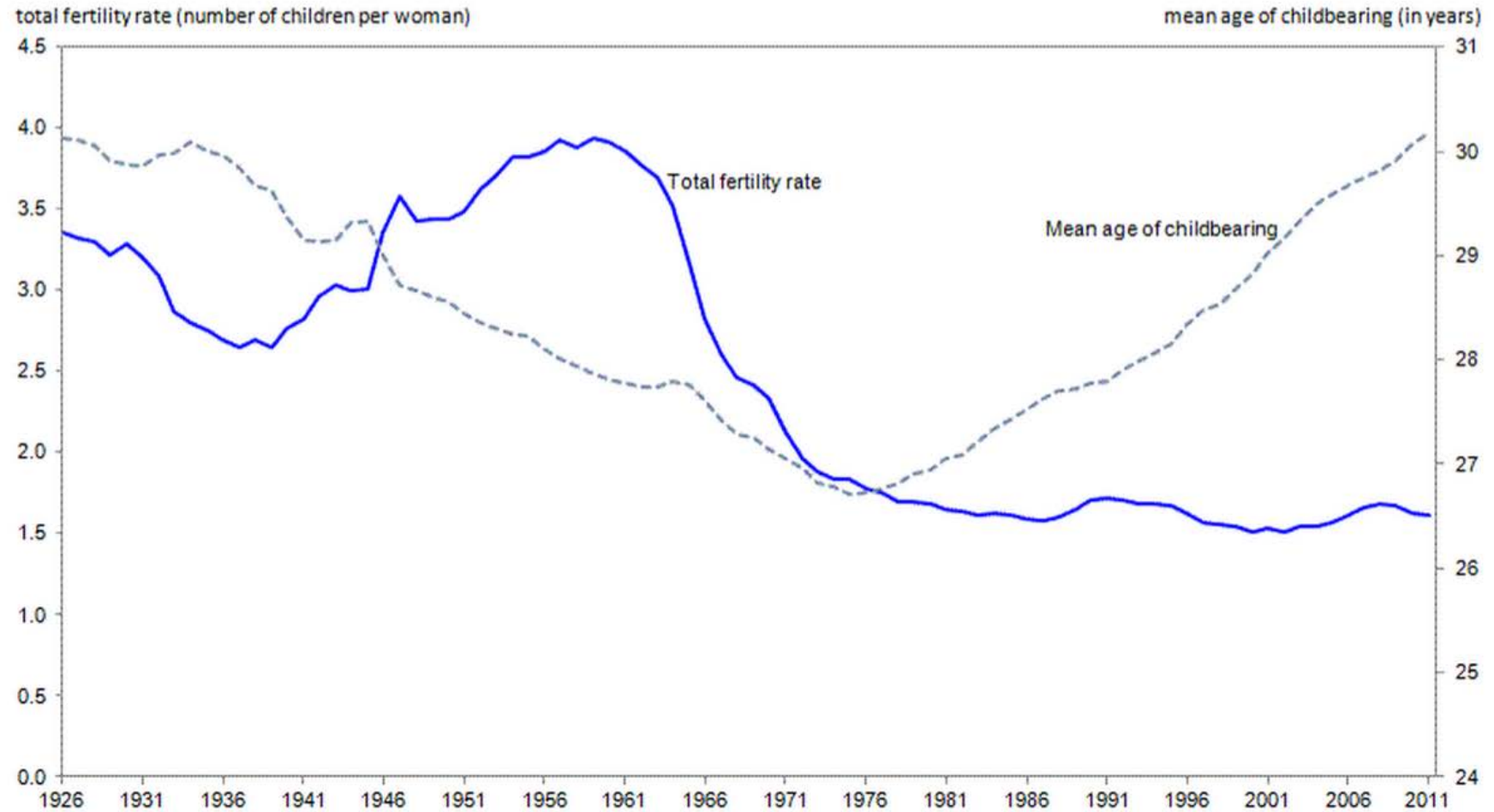


Figure 3.1
Total fertility rate and mean age of childbearing, Canada, 1926 to 2011



Note: The mean age of childbearing's calculation is based on age-specific rates (and not actual number of births).
Sources: Statistics Canada, Canadian Vital Statistics, Births Database, 1926 to 2011, Survey 3231 and Demography Division, Population Estimates Program.

Why do people postpone parenthood? Reasons and social policy incentives

Melinda Mills^{1,*}, Ronald R. Rindfuss^{2,3}, Peter McDonald⁴, and
Egbert te Velde^{5†}, on behalf of the ESHRE Reproduction
and Society Task Force

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Fertility in Advanced Societies: A Review of Research La fécondité dans les sociétés avancées: un examen des recherches

Nicoletta Balbo · Francesco C. Billari · Melinda Mills

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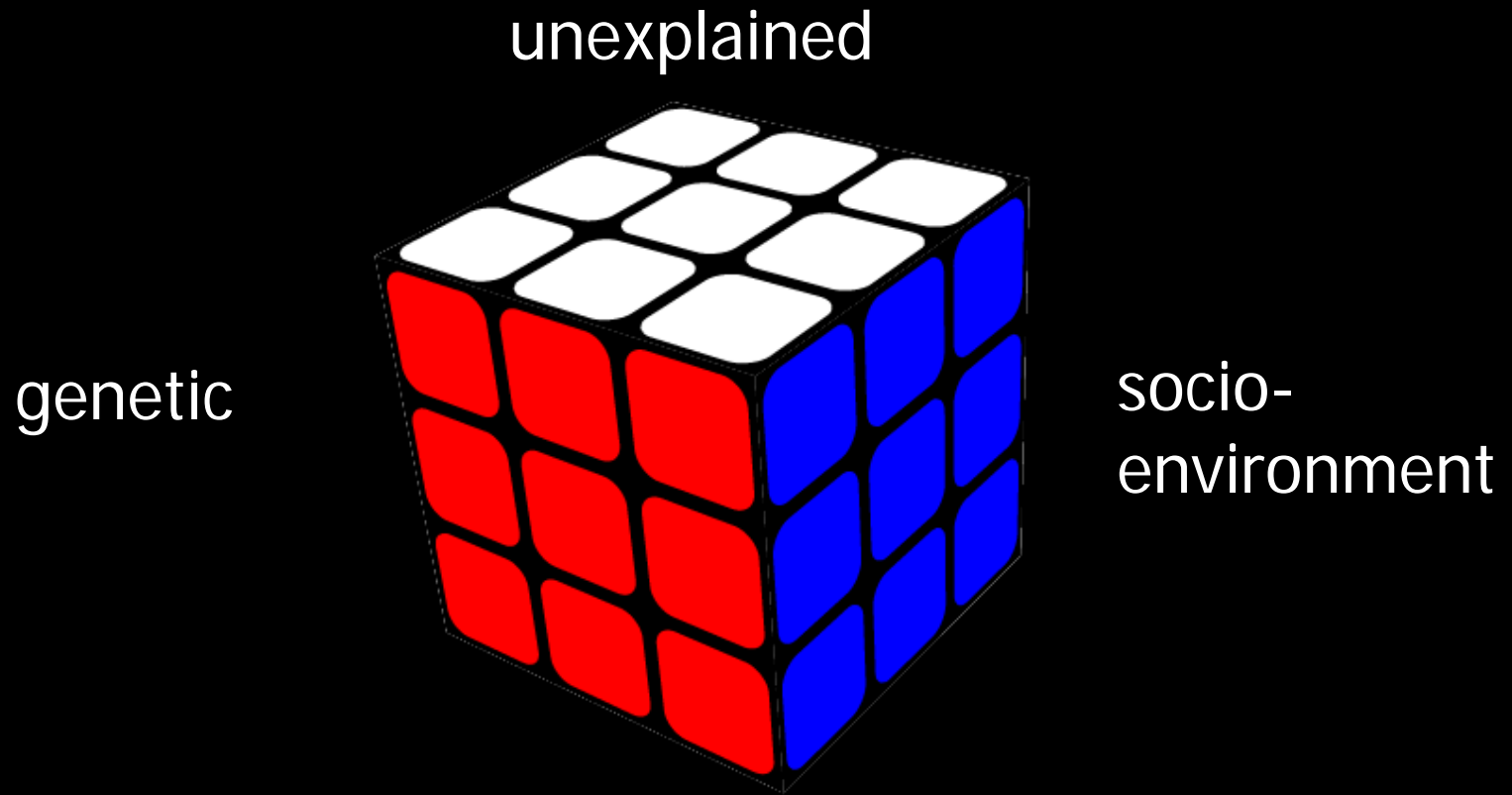
Abstract This paper provides a review of fertility research in advanced societies, societies in which birth control is the default option. The central aim is to provide a comprehensive review that summarizes how contemporary research has explained



Diminishing returns from repeating
same approach to study *same* topics

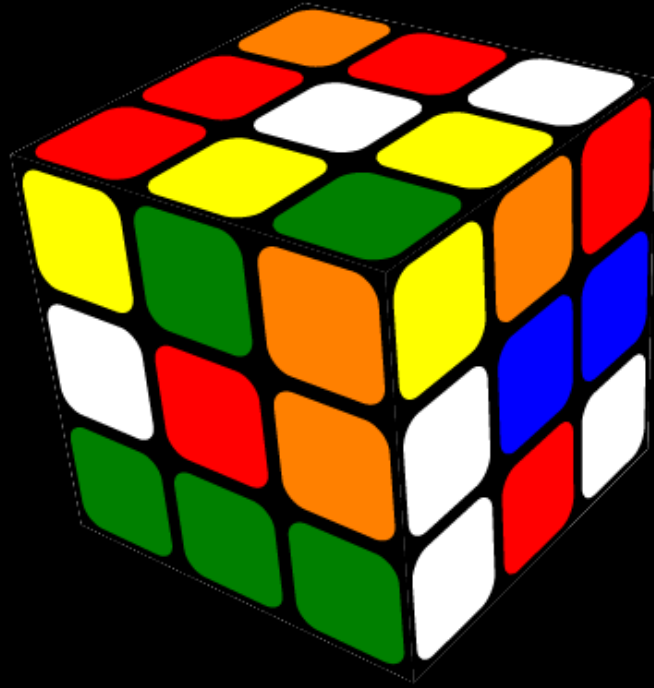
Is there really **no biological or genetic
basis** of fertility and demographic
behaviour?

SOCIAL AND GENETIC FACTORS EACH EXPLAIN SMALL AMOUNT

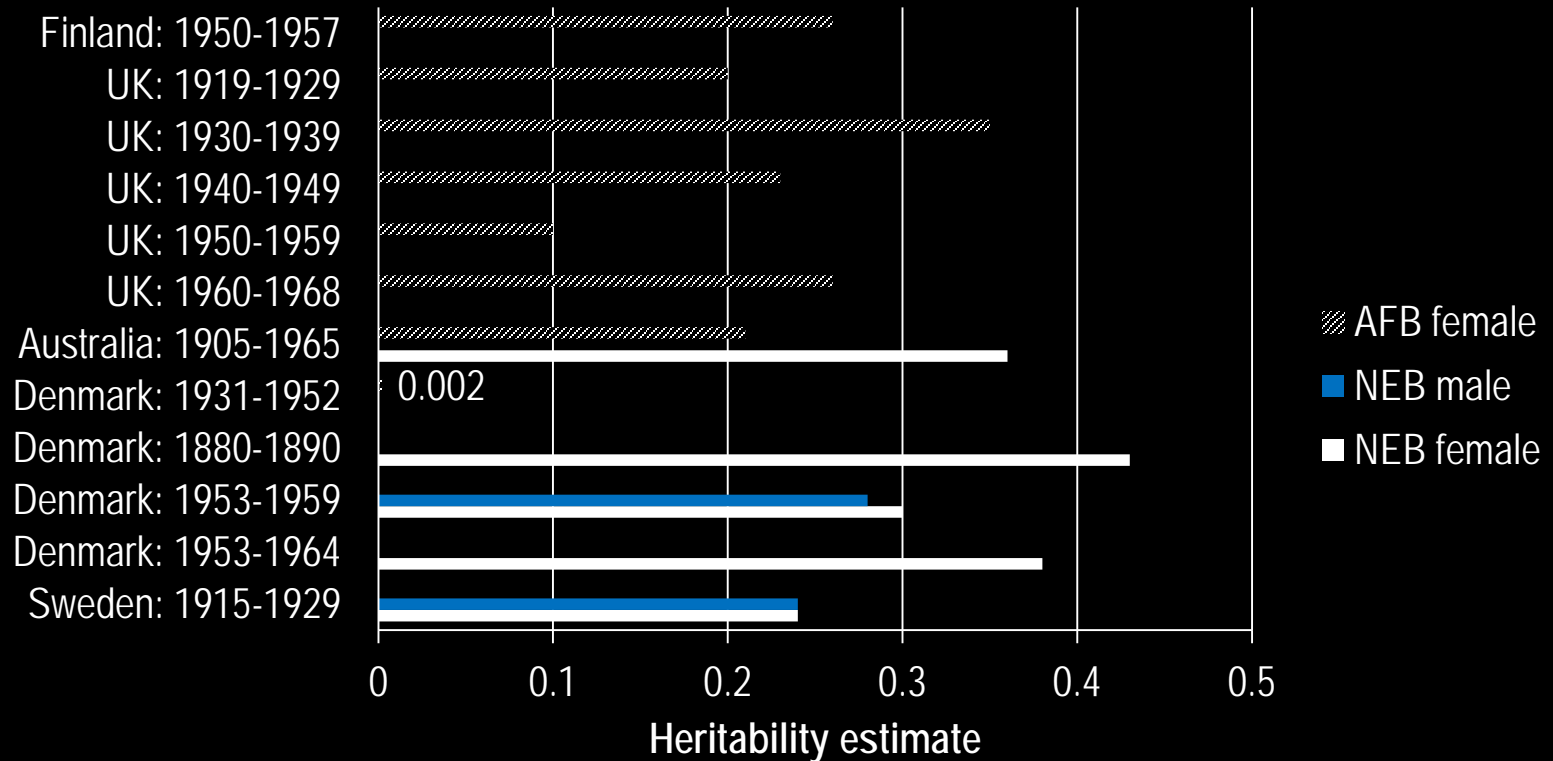




SOCIAL AND GENETIC FACTORS EACH EXPLAIN SMALL AMOUNT



FERTILITY HERITABILITY ESTIMATES BY BIRTH COHORT AND COUNTRY



BRIDGING TWO PARALLEL APPROACHES

Genetic Risk

Location of genetic variants (GWAS)

Higher accuracy: polygenic, GCTA

Gene x
Environment

Socio- environment

Social (structure, status, network,
capital)

Lifestyle (obesity, smoking, stress)

Fertility

Age at first
birth

Number of
children

Infertility


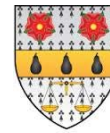


Sociogenome

www.sociogenome.com



Sociogenome is a research project located at the University of Oxford and Nuffield College, funded by the European Research Council and led by Prof. Melinda Mills.

A high-angle photograph of numerous wooden rowing boats (coxed eights) lined up on a river. The boats are arranged in two main rows, with their sterns pointing towards the viewer. The water is calm, and the boats are tied together with ropes. The lighting suggests a bright day, with reflections on the water and the wooden surfaces of the boats. Some boats have numbers painted on their sterns, such as 18, 22, 25, 28, 32, 36, 37, 46, and 83.

What I learned in the last 48 hours

ONE POLICY DOES NOT FIT ALL

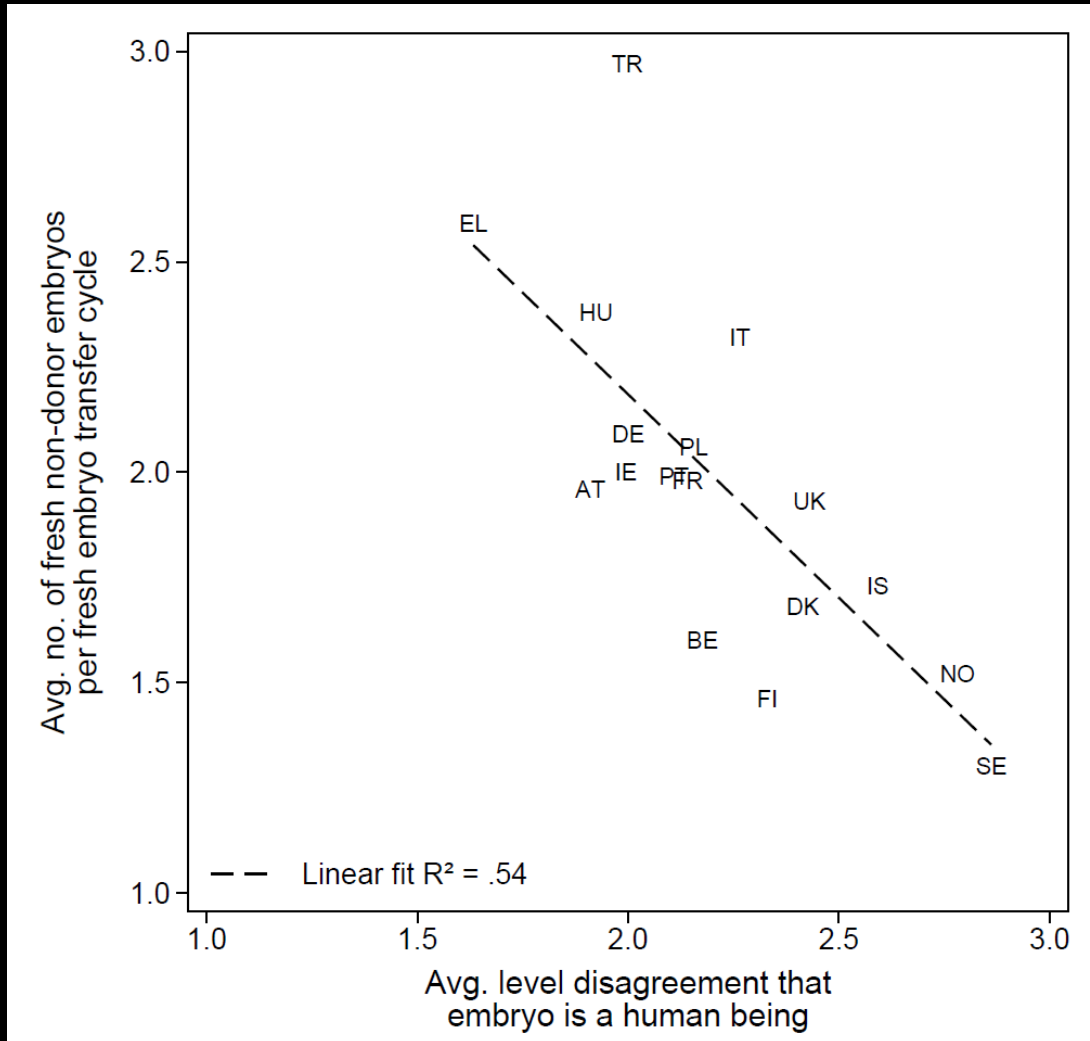
70 year old accountant



70 Year old firefighter?



STRONGER BELIEF EMBRYO HUMAN BEING, HIGHER NUMBER OF EMBRYOS TRANSFERRED

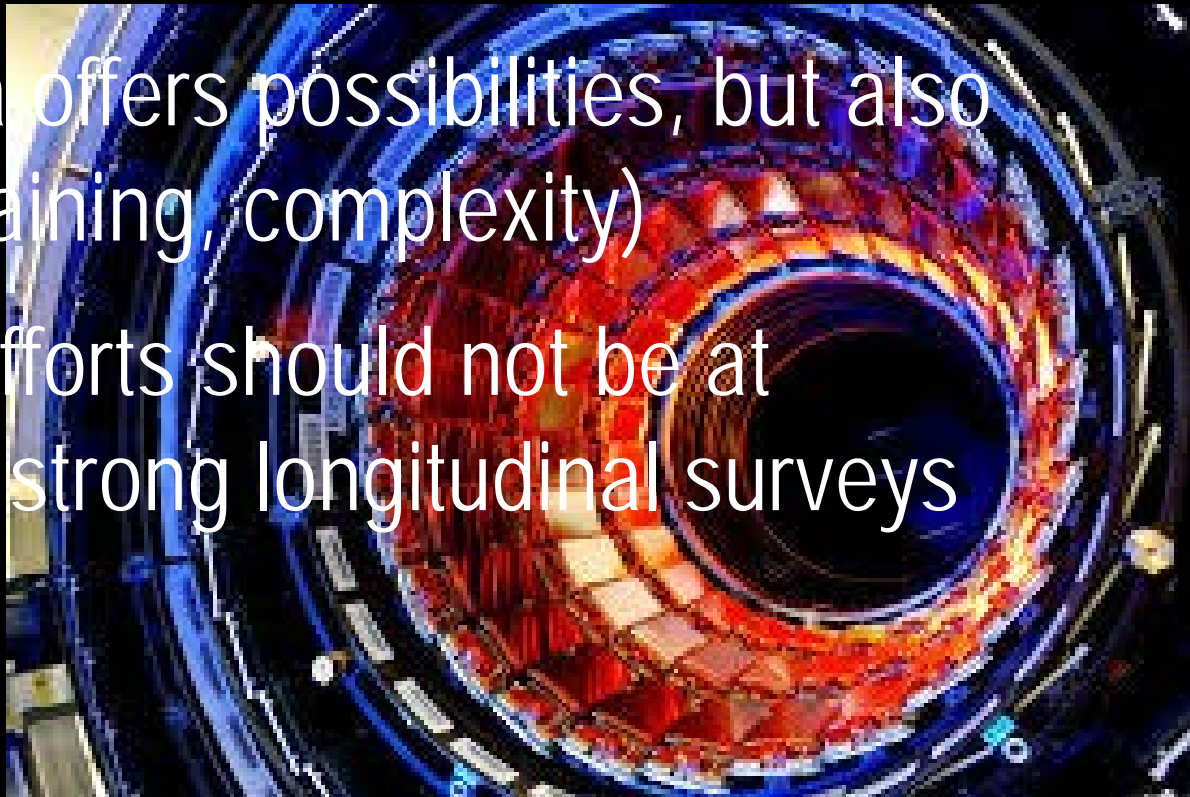


POLICIES
ARE
POLITICAL



ADVISORY WARNING!!!!

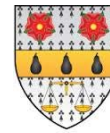
- Data is the social scientists telescope (Tim Holt) & our Haldron Super Collidor
- Linked data offers possibilities, but also dangers (training, complexity)
- New data efforts should not be at expense of strong longitudinal surveys



THERE ARE INCREASED INVESTMENTS IN DATA LINKAGE

FINE PRINT: BUT THERE IS A DATA CARTEL
AND NO ONE HAS ACCESS TO IT

Will RDCs and Canadian data
go international?



Thank you!
www.sociogenome.com

