





# Tobias Wolfram

PhD Candidate

Curriculum Vitae

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## Education

since 2021	<b>Ph.D. Sociology</b> Bielefeld, Germany/Paris, France ► Thesis: Social Stratification - Genetic Influences and Psychological Mediators (under supervision by Prof. Martin Diewald and Prof. Felix Tropsf) ► Funded by German Academic Scholarship Foundation	Bielefeld University/ENSAE-CREST
2015-2018	<b>M.Sc. Statistics</b> Berlin, Germany ► Focus on Econometrics, Survey Statistics and Machine Learning (1.4) ► Thesis: Multivariate Fay-Herriot Models in Small-Area-Estimation (1.1)	Humboldt University/Free University
2012-2015	<b>B.A. Social Science</b> Berlin, Germany ► Focus on Methodology and Statistics (1.2) ► Thesis: Bayesian Statistics - Philosophical, Methodological and Empirical Perspectives for the Social Sciences (1.1)	Humboldt University

## Affiliations

Since June 2023	<b>Associate Member</b> Helsinki, Finland	Finnish Institute for Health and Welfare
Since January 2023	<b>Associate Member</b> Oxford, UK	Leverhulme Center for Demographic Science
Since March 2021	<b>Affiliated PhD Candidate</b> Paris, France	ENSAE-CREST

## Employment

2021-2023	<b>Lead Statistician (Part Time)</b> Berlin, Germany	Civey GmbH
2019-2020	<b>Lead Statistician</b> Berlin, Germany	Civey GmbH
2018-2019	<b>Data Scientist</b> Berlin, Germany	Civey GmbH

## Additional Training

July 2022	<b>Summer Institute in Computational Social Science</b> Oxford, GB	Nuffield College
September 2018	<b>Behavioral Genetics in Social Science Research</b> Cologne, Germany	GESIS
June - August 2015	<b>Summer Quarter in Statistics and Data Science</b> Stanford, USA	Stanford University

## Presentations

### Conference Presentations

- 2023 **International Society for Intelligence Research (ISIR) Conference**  
250 Words Written at Age Eleven predict Intelligence and final Educational Attainment close to Expert Assessment (Best Presentation Award - 2nd place, John B. Carroll Award for Research Methodology)
- 2023 **European Social Science Genomics Network (ESSGN) Conference**  
Lower heritability of gendered occupational placement for women than for men in the UK labour market
- 2022 **German Sociological Society Conference**  
Polarizing and Unifying Issues - An Investigation of German Public Opinion
- 2022 **International Society for Intelligence Research (ISIR) Conference**  
Occupational Heterogeneities in Cognitive Ability and non-cognitive Traits (Best Presentation Award - 1st place)
- 2022 **European Social Science Genomics Network (ESSGN) Conference**  
Man - Machine - Gene: Predicting cognitive ability, non-cognitive traits and educational attainment from teacher assessments, short essays and the genome
- 2022 **RC28**  
The Genetics of Occupational Status
- 2021 **Integrating Genetics and the Social Sciences Conference**  
The Genetics of Occupational Status
- 2021 **Behavior Genetics Association Conference**  
The Heritability of Educational Attainment-Shared Environment, Genetic Nurture and Psychological Mediators
- 2020 **New Developments in Online Research**  
Nonprobability-Sampling - Challenges and Opportunities
- 2019 **Annual Conference of the American Association for Public Opinion Research (AAPOR)**  
Multilevel Regression and Poststratification - Approximating Full Bayesian Inference in a Production Setup
- 2018 **General Online Research Conference (GOR)**  
Combining Survey Statistics and Modern Machine Learning

### Invited Talks

- 2023 **Seminar 'Advanced Personality Psychology'**  
Wilhelm-Wundt-Institut für Psychologie, Universität Leipzig
- 2023 **Sociogenomics Workshop (Keynote)**  
Finnish Institute for Health and Welfare
- 2023 **MPRG Biosocial Colloquium**  
Max Planck Institute for Human Development
- 2023 **Board Meeting**  
International Society for Intelligence Research (ISIR)
- 2023 **External Seminar**  
Purdue University (Online)
- 2022 **Statistics-Econometrics-Machine Learning Colloquium**  
CREST (Online)
- 2021 **Sociology Colloquium**  
CREST, Online
- 2020 **Research Colloquium**  
German Humanist Academy

### Teaching

- 2023 **Sociogenomics Workshop**  
Two-Day-long workshop (together with Felix Tropf), Finnish Institute for Health and Welfare
- 2022 **Introduction to Social Science Genetics**  
Week-long workshop (together with Felix Tropf), Oslo University

2018-2022	<b>Survey-Statistics &amp; Non-Probability Sampling</b> Various workshops, Civey GmbH
2018	<b>Introductory Econometrics</b> Lecture (one semester), Berlin School of Economics and Law
2017	<b>Quantitative Methods for Social Scientists</b> Lecture (one semester), Free University Berlin
2015-2016	<b>Rationality and Ethics - Combining Philosophy, Statistics and Behavioral Sciences</b> Seminar (two semesters), Humboldt University Berlin
2014-2015	<b>An Interdisciplinary Analysis of Economic Crises</b> Seminar (two semesters), Humboldt University Berlin

## Publications

### Published

- Wolfram, T., & Morris, D. (2023). Conventional twin studies overestimate the environmental differences between families relevant to educational attainment. *npj Science of Learning*, 8(1), 24.
- Wolfram, T. (2023). (Not just) Intelligence stratifies the occupational hierarchy: Ranking 360 professions by IQ and non-cognitive traits. *Intelligence*, 98, 101755.
- Williams, C. M., Labouret, G., Wolfram, T., Peyre, H., & Ramus, F. (2022). A General Cognitive Ability Factor for the UK Biobank. *Behavior Genetics*, 1-16.
- Wolfram, T. (2022). Genetic Enhancement - Eine Bestandsaufnahme und Einordnung. In Schöppner & Hackl (Eds.), *Automat und Autonomie - Zum Verhältnis von Mensch, Technologie und Gesellschaft* (1st ed., pp. 119–142). Alibri.
- Richter, G., Wolfram, T., & Weber, C. (2019). Die Statistische Methodik von Civey. *Whitepaper*.
- Hamjediers, M., Schmelzer, P., & Wolfram, T. (2018). Do-files for working with SOEP spell data (No. 492). *SOEP Survey Papers*.
- Giesselmann, M., Schmelzer, P., Staneva, M., & Wolfram, T. (2017). The measurement of labor market entries with SOEP data. Introduction to the variable EINSTIEG\_ARTK (No. 429). *SOEP Survey Papers*.

### Preprint

- Wolfram, T., Ruks, M., & Spinath, F. M. (2023). Disentangling Genetic and Social Pathways of the Intergenerational Transmission of Cognitive Ability – A Nuclear Twin Family Study. *SocArXiv*.
- Wolfram, T., Tropf, F. C., & Rahal, C. (2023). Short Essays Written During Childhood Predict Cognition and Educational Attainment Close to or Better than Expert Assessment. *SocArXiv*.
- Akimova, E. T., Wolfram, T., Ding, X., Tropf, F. C., & Mills, M. C. (2023). Polygenic predictions of occupational status GWAS elucidate genetic and environmental interplay for intergenerational status transmission, careers, and health. *bioRxiv*,
- Silva, L., Wolfram, T., & Tropf, F. C. (2023). Neighborhood context, genes and education. *SocArXiv*.
- Williams, C. M., Peyre, H., Wolfram, T., Lee, Y. H., Ge, T., Smoller, J. W., Mallard, T. & Ramus, F. (2023). Characterizing the phenotypic and genetic structure of psychopathology in UK Biobank. *medRxiv*, 2023-09.
- Teney, C., Pietrantuono, G., & Wolfram, T. (2023). What polarizes citizens? An explorative analysis of 817 attitudinal items from a non-random online panel in Germany.

### In Preparation

- Giannelis, A., Willoughby, E. A., Saunders, Wolfram, T., G., McGue, M. & Lee, J. J. A genome-wide association study of specific mathematical ability.
- Hamjediers, M., Wolfram, T. & Tropf, F. C. Transgressing Gendered Occupational Boundaries: Genes, Stereotypes and their Interplay.
- Plinke, P., Wolfram, T., Dürlinger, F., Schmidt-Salomon, M., & Baudson, T. G. Religiosity and science-related beliefs in highly intelligent individuals.
- Ghirardi, G., Wolfram, T. & Tropf, F. C. Gene-Environment Interactions of Externalizing and Socioeconomic Status.
- Wolfram, T. From Galton to Goldthorpe - A Scientometric Network Analysis of Social Stratification Research, Differential Psychology and Behavioral Genetics
- Wolfram, T., Ruks, M. The Heritability of Educational Achievement is largely Explained by Non-Cognitive Traits in the Context of Early Tracking

### Non-Academic (Selection)

- Wolfram, T., Urban, F., Tezak, M. & Kurzbuch, J. (2020). *Produktives Streiten. Auswege aus einer defizitären Debatte*. Alibri.
- Wolfram, T. (2020). *Wertehaltungen Geflüchteter im Vergleich*. Forschungsgruppe Weltanschauungen in Deutschland.
- Leschke, J. & Wolfram, T. (2017). *Welche Faktoren erklären den Verschwörungsglauben?*. POLITIKUM, 62.
- Wolfram, T. (2017). *Religiosität und Intelligenz*. Forschungsgruppe Weltanschauungen in Deutschland.