

# Tobias Wolfram

Curriculum Vitae  
Jan 2025

## Education

|           |  |                                     |
|-----------|--|-------------------------------------|
| 2021-2024 | <b>Ph.D. Sociogenomics</b><br>Bielefeld, Germany/Paris, France <ul style="list-style-type: none"><li>➤ Thesis: Social Stratification - Genetic Influences and Psychological Mediators (Summa Cum Laude)</li><li>➤ Funded by German Academic Scholarship Foundation</li></ul> | Bielefeld University/ENSAE-CREST    |
| 2015-2018 | <b>M.Sc. Statistics</b><br>Berlin, Germany <ul style="list-style-type: none"><li>➤ Focus on Econometrics, Survey Statistics and Machine Learning (1.4)</li><li>➤ Thesis: Multivariate Fay-Herriot Models in Small-Area-Estimation (1.1)</li></ul>                            | Humboldt University/Free University |
| 2012-2015 | <b>B.A. Social Science</b><br>Berlin, Germany <ul style="list-style-type: none"><li>➤ Focus on Methodology and Statistics (1.2)</li><li>➤ Thesis: Bayesian Statistics - Philosophical, Methodological and Empirical Perspectives for the Social Sciences (1.1)</li></ul>     | Humboldt University                 |

## Affiliations

|             |  |  |
|-------------|--|--|
| Since 2023  | <b>Associate Member</b><br>Helsinki, Finland     | Finnish Institute for Health and Welfare |
| 2021 - 2024 | <b>Affiliated PhD Candidate</b><br>Paris, France | ENSAE-CREST                              |

## Employment

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

## Additional Training

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

## Presentations

### Conference Presentations

|      |   |
|------|---|
| 2024 | <b>International Society for Intelligence Research (ISIR) Conference</b><br>Disentangling genetic and social pathways of the intergenerational transmission of cognitive ability: A nuclear twin family study |
|------|---|

- 2024 **European Social Science Genomics Network (ESSGN) Conference**  
What drives teacher's recommendations? Testing the relevance of genetic predispositions, abilities and social contexts
- 2024 **Using genetics to understand social structures: Genetic influences across time, groups, and societies**  
What drives teacher's recommendations? Testing the relevance of genetic predispositions, abilities and social contexts
- 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 Student 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 Student 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

- 2024 **General Colloquium**  
Institute of Psychology, Universität Chemnitz
- 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 **Survey-Statistics & Non-Probability Sampling**  
Various workshops, Civey GmbH

2018 **Introductory Econometrics**  
Lecture (one semester), Berlin School of Economics and Law

2017 **Quantitative Methods for Social Scientists**  
Lecture (one semester), Free University Berlin

2015-2016 **Rationality and Ethics - Combining Philosophy, Statistics and Behavioral Sciences**  
Seminar (two semesters), Humboldt University Berlin

2014-2015 **An Interdisciplinary Analysis of Economic Crises**  
Seminar (two semesters), Humboldt University Berlin

## Reviews

- Intelligence
- Journal of Controversial Ideas
- European Societies
- Social Classes in the Digital Age
- British Journal of Developmental Psychology
- Nature Communications

## Publications

### Published

- Wolfram, T., Akimova, E. T., Ding, X., Tropf, F. C., & Mills, M. C. (2024). Polygenic predictions of occupational status GWAS elucidate genetic and environmental interplay for intergenerational status transmission, careers, and health. *Nature Human Behavior*, 1-18.
- Wolfram, T., Ruks, M., & Spinath, F. M. (2024). Disentangling genetic and social pathways of the intergenerational transmission of cognitive ability—A nuclear twin family study. *Research in Social Stratification and Mobility*, 100980.
- Teney, C., Pietrantuono, G., & Wolfram, T. (2024). What polarizes citizens? An explorative analysis of 817 attitudinal items from a non-random online panel in Germany. *Plos one*, 19(5), e0302446.
- Williams, C. M., Peyre, H., Wolfram, T., Lee, Y. H., Seidlitz, J., Ge, T., & Ramus, F. (2024). Characterizing the phenotypic and genetic structure of psychopathology in UK Biobank. *Nature Mental Health*, 1-15.
- 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/Under Review

- 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*.
- Silva, L., Wolfram, T., & Tropf, F. C. (2023). Neighborhood context, genes and education. *SocArXiv*.
- Bezzo, F. B., Hughes, A., Wolfram, T., Morris, T., & Andersen, G. E. (2024). How the genetics of cognitive and non-cognitive skills influence intergenerational social mobility.

**In Preparation**

- Giannelis, A., Willoughby, E. A., Saunders, G., Wolfram, T., McGue, M. & Lee, J. J. A genome-wide association study of specific mathematical ability.
- Hamjediers, M., Wolfram, T. & Akimova, E. 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
- Wolfram, T., Mönkediek, B., Kottwitz A. & Weigel L. What drives teacher's recommendations? Testing the relevance of genetic predispositions, abilities and social contexts

**Non-Academic (Selection)**

- Wolfram, T., Urban, F., Tezak, M. & Kurzbuch, J. (2020). Produktives Streiten. Auswege aus einer defizitären Debatte. Alibri.
- Wolfram, T. (2020). Werthaltungen 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.