

Amrei Luise Stammann

University of Bayreuth
Faculty of Law, Business & Economics
Universitätsstraße 30
95447 Bayreuth, Germany
amrei.stammann@uni-bayreuth.de
Tel: +49 (0)921 55 6244
<https://amrei-stammann.github.io>

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Research Interests

Panel and Network Data Econometrics, Applied Econometrics, Causal Machine Learning, Computational Econometrics, Scientific Software Development

Education

2014 – 2019	PhD in Economics, Heinrich-Heine University Düsseldorf Thesis: <i>"Nonlinear Panel Data Models with High-Dimensional Fixed Effects"</i> (summa cum laude) First supervisor: Florian Heiss, second supervisor: Joel Stiebale Date of Defense: December 10, 2019
2012 – 2014	Master of Science in Economics, Heinrich-Heine University Düsseldorf
2009 – 2012	Bachelor of Science in Economics, University of Cologne
2008 – 2009	Studies in B.Sc. Business Mathematics, University of Cologne

Positions

Since 2024	Postdoctoral researcher ("Akademische Rätin auf Zeit"), Chair of Empirical Economics, University of Bayreuth
2020 – 2024	Postdoctoral researcher (third-party funded position), Chair of Empirical Economics, Ruhr-University Bochum
2019 – 2020	Postdoctoral researcher, Chair of Statistics and Econometrics, Heinrich-Heine University Düsseldorf
2014 – 2019	Research assistant (third-party funded since 2017), Chair of Statistics and Econometrics, Heinrich-Heine University Düsseldorf
2014	Student assistant, Chair of Statistics and Econometrics, Heinrich-Heine University Düsseldorf
2013 – 2014	Student assistant, Düsseldorf Institute for Competition Economics, Heinrich-Heine University Düsseldorf
2012 – 2013	Student assistant, Chair of Applied Analysis, Heinrich-Heine University Düsseldorf

Research Visits

May 2022	Nuffield College (University of Oxford), 3 weeks, Host: Martin Weidner
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Publications (Peer Reviewed)

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| 2022 | “Latent Unbalancedness in Three-Way Gravity Models” (with Daniel Czarnowske), in Economics Letters , 220, 110861. |
| 2021 | “Worth the Pain? Firms’ Exporting Behaviour to Countries under Sanctions” (with Matthieu Crozet, Julian Hinz, and Joschka Wanner), in European Economic Review , 134, 103683. |

Working Paper

[“Debiased Fixed Effects Estimation of Binary Logit Models with Three-Dimensional Panel Data”](#), arXiv preprint arXiv:2311.04073.

[“State Dependence and Unobserved Heterogeneity in the Extensive Margin of Trade”](#) (with Julian Hinz and Joschka Wanner), arXiv preprint arXiv:2004.12655. (previously called “Persistent Zeros: The Extensive Margin of Trade”)

[Inference in Unbalanced Panel Data Models with Interactive Fixed Effects](#) (with Daniel Czarnowske), preprint arXiv:2004.03414.

[“Fixed Effects Binary Choice Models: Estimation and Inference with Long Panels”](#) (with Daniel Czarnowske), arXiv preprint arXiv:1904.04217.

[“Fast and Feasible Estimation of Generalized Linear Models with High-Dimensional \$k\$ -way Fixed Effects”](#), arXiv preprint arXiv:1707.01815.

[“Estimating Fixed Effects Logit Models with Large Panel Data”](#) (with Florian Heiss and Daniel McFadden), In VfS Annual Conference 2016 (Augsburg): Demographic Change (No. 145837). Verein für Socialpolitik/German Economic Association.

Work in Progress

[“Learning Outcomes and Perceptions: A Double Robust Approach to Assess the Effects of Flipping an Introductory Statistics Course”](#) (with Daniel Czarnowske, Florian Heiss and Theresa Schmitz)

[“\(Debiased\) Inference for Fixed Effects Estimators with Three-Dimensional Panel Data”](#) (with Daniel Czarnowske)

[“Distribution Regression with Weakly Exogenous Regressors”](#) (with Philipp Berger and Daniel Czarnowske)

[“Latent Structures in Directed Network Models: With an Application to Cross-Section Gravity Models”](#) (with Daniel Czarnowske)

[“Estimation of Two-Way Fixed Effects Logit Models via GMM”](#) (with Cavit Pakel)

[“On the Incidental Parameter Problem in Fractional Response Models with Fixed Effects”](#)

Policy Columns

[“Firms’ exporting behaviour to countries under sanctions”](#) (with Matthieu Crozet, Julian Hinz, and Joschka Wanner), VoxEU.

Software Packages

Maintainer and author of the R-package [“alpaca: Fit GLM’s with High-Dimensional k-Way Fixed Effects”](#) (with Daniel Czarnowske)

Maintainer and author of the R-package [“bife: Binary Choice Models with Fixed Effects”](#) (with Daniel Czarnowske, Florian Heiss, Daniel McFadden)

Conference & Seminar Presentations

2025	Graduate Seminar in Economics (University of Bayreuth)
2024	Goethe-University Frankfurt, University of Innsbruck, Workshop “Encounters in Econometric Theory” (University of Oxford), FU Berlin, Maastricht University, International Panel Data Conference, BI Norwegian Business School, Bayreuth Young Economists Research Seminar (University of Bayreuth)
2023	Università Politecnica delle Marche, Statistische Woche (Annual Meeting of the German Statistical Society)
2022	RuhrMetrics Seminar, Econometrics Lunch Seminar (University of Oxford), International Panel Data Conference, Gravity at Sixty Workshop (Wifo, Vienna), International Conference on Computational and Financial Econometrics
2021	CASS Business School, International Panel Data Conference
2020	European Economic Association
2019	Brown Bag Seminar (Düsseldorf Institute for Competition Economics), European Trade Study Group, International Panel Data Conference
2018	Empirical Research Group (Düsseldorf Institute for Competition Economics)
2017	Statistische Woche (Annual Meeting of the German Statistical Society)
2016	Annual meeting of the Verein für Socialpolitik (German Economic Association), Statistische Woche (Annual Meeting of the German Statistical Society)
2015	International Conference on Computational and Methodological Statistics, PhD Workshop (Düsseldorf Institute for Competition Economics)

Acquired Funding and Scholarships

2025	Seed money for preparation of a third-party funded project “Causal Machine Learning for Panel Data”, funded by University of Bayreuth (≈ 5.000 €)
2024	Seed money for preparation of a third-party funded project “Causal Machine Learning for Panel Data” with J. Kück and D. Czarnowske, funded by Heinrich-Heine University (50% position for 2 years, worth ≈ 82.000 €)
2022	3-week research stay at Nuffield College (University of Oxford), funded by Nuffield College (provision of board and lodging)
2015	Scholarship for participation at “International Conference on Computational and Methodological Statistics”, funded by “Gesellschaft von Freunden und Förderern der HHU” (1, 000 €)

Participation in Third-Party Funded Projects

Since 2024	Collaborator in the project <i>“International Environmental Cooperation: Determinants, Interlinkages, and Impacts”</i> , Principal investigators M. Larch and J. Wanner, funded by DFG (330.000 €)
2020 – 2024	Coordinator of the project <i>“Digitale Daten in den Wirtschafts- und Sozialwissenschaften”</i> (Engl. “Digital data in economics and social sciences”), Principal investigators T. Bauer, C. Jentsch, and C. Hanck, funded by Mercator Research Center Ruhr (900.000 €)
2017 – 2019	Research assistant in the project <i>“Förderung statistischer Lehr- und Lernprozesse in Großveranstaltungen mittels eines Flipped-Classroom-Designs”</i> (Engl. “Fostering statistical teaching and learning processes in large-scale courses using a flipped classroom design”), Principal investigators M. Förster, T. Schank, F. Heiss, and S. Klinken, funded by BMBF (470.000 €)

Teaching Experience

Since 2024	Lecture and Tutorial in “Empirical Economics II: Panel Data Analysis” (Bachelor), University of Bayreuth
2021 – 2024	Tutorial in “Microeconometrics” and “Introduction to Microeconometrics” (Master), Ruhr-University Bochum
2021 - 2022	Assistance for “Seminar in Empirical Economics” (Bachelor), Ruhr-University Bochum
2016	Lecture and Tutorial in “Introduction to Latex” (Bachelor / Master), Heinrich-Heine University Düsseldorf
2015 - 2020	Tutorial in “Advanced Econometrics II” (Master / PhD), Heinrich-Heine University Düsseldorf
2014 - 2020	Tutorial in “Econometrics” (Master), Heinrich-Heine University Düsseldorf
2014	Tutorial in “Statistical Methods II” (Bachelor), Heinrich-Heine University Düsseldorf

Voluntary Service in University Self-Administration

2021 - 2023	Membership in the Early Career Researchers Board, Ruhr-University Bochum
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Refereeing

Econometric Reviews, Information Economics and Policy, International Statistical Review, Journal of Business Venturing, Journal of Econometric Methods, Quantitative Economics, Review of World Economics, The Journal of International Trade & Economic Development

Languages

German (native), English (fluent)

Technical Skills

Statistical Software: R (proficient), Matlab (basic), Stata (basic); **Typewriting:** Latex