



Edgar J. Treischl

SENIOR RESEARCH FELLOW

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About me

I work as senior research fellow at the University Erlangen-Nuremberg in Germany. Most of my prior research was about evaluation, but I am interested in data science, causal inference, and quantitative methods. Besides research, I am accountable for IT and the webmaster at the chair. In my spare time I go jogging, swimming or do a bike tour.

Work Experience

Since 2019 **Postdoctoral Researcher** at the chair “Empirical Economic Sociology” (T. Wolbring)

University of Nuremberg

- Conducted factorial survey experiments to examine the acceptance of AI-based applications
- Developed R Packages: **CopyCat**, **PracticeR**
- Webmaster and accountable for the IT

2017–2019 **Research Assistant** at the chair “Empirical Economic Sociology” (T. Wolbring)

University of Nuremberg

- Coordination of the master programme “Social Economics”
- Programmed several R Shiny apps for teaching purposes (**Logistic regression**, **Power analysis**, etc.)
- Webmaster of the chairs’ Wordpress website

2016–2017 **Research Assistant** at the chair “Statistics and Methodology” (F. Kreuter)

University of Mannheim

- Teaching, supervision of BA/MA theses, and part of the organization of a hackathon
- Member of graduate school with courses in NLP, R for programming, Panel Data Analysis
- Project assistant at the Mannheim Centre for European Social Research (T. Wolbring)

2013–2016 **Research Assistant** at the chair “Quantitative Social Research” (J. Brüderl & S. Pointner)

LMU Munich

2009–2013 **Student Assistant** at the University of Munich (Norman Braun Ph.D)

2007–2009 **Freelancer** TNS Infratest Munich (Quantitative research, automotive)

Education

2015–2019 PhD in Quantitative Social Sciences (Dr. rer. soc.)

Mannheim

2007–2013 Diploma in Sociology

Munich

2005–2007 Pre-degree in Social Education (Higher Education Entrance Qualification)

Coburg

2004–2005 Voluntary social year

Augsburg

2002–2004 College Entrance Qualification (Fachhochschulreife)

Augsburg

2000–2002 Secondary Education Certificate (Mittlere Reife)

Augsburg

Teaching Portfolio (Excerpt)

##	Course	Type	Level
##	1 Empirical Methods and Statistics	Seminar	Bachelor
##	2 Introduction to Educational Research*	Lecture	Master
##	3 Applied Data Analysis (R/STATA/SPSS)	Seminar	Bachelor
##	4 Experiments in Social Sciences	Seminar	Bachelor
##	5 Classic Research Research Studies	Seminar	Master
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* Online Lecture, all materials are available on the lecture website.

BA/MA Supervision (Excerpt)

##	Candidate	Topic	Degree
## 1	Beuter, L.	The motherhood wage penalty in the context of the acquir~	BA
## 2	Gühl, P.	Empirical review of the institutionalized anomie theory	BA
## 3	Küfner, B.	Impact on Further Educational Decisions	MA
## 4	Schwickart, J.	Student evaluation of teaching. Who stays away?	BA
## 5	Ziegler, S.	Climate change scepticism	BA
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Publications

MONOGRAPHS

Treischl, E. (2019): *Selection Effects in Students' Evaluation of Teaching. Methodological Pitfalls for the Measurement of Teaching Quality*. Mannheim: University of Mannheim (Inaugural dissertation).

Treischl, E. & Wolbring, T. (2020): *Wirkungsevaluation. Grundlagen, Standards, Beispiele*. Weinheim Basel: Beltz Juventa (Standards standardisierter und nichtstandardisierter Sozialforschung). 168 Seiten. *A preview is online available*.

Treischl, E. (2022): *Practice R: An Interactive Textbook for the Social Sciences*. Berlin/Boston: De Gruyter Oldenbourg. Expected for 10/2022, approx. 350 Pages, De Gruyter Oldenbourg.

ARTICLES IN REFEREED JOURNALS

Wolbring, T. & Treischl, E. (2016): *Selection Bias in Students' Evaluation of Teaching. Causes of Student Absenteeism and Its Consequences for Course Ratings and Rankings*. *Research in Higher Education*, 57 (1), p. 51–71.

Treischl, E. & Wolbring, T. (2017): *The Causal Effect of Survey Mode on Students' Evaluations of Teaching. Empirical Evidence from Three Field Experiments*. *Research in Higher Education*, 58 (8), p. 904–921.

Treischl, E. & Wolbring, T. (2021): *Past, Present and Future of Factorial Survey Experiments: A Review for the Social and Behavioural Sciences*. *Methods, Data, Analysis*.

HANDBOOK ARTICLES

Treischl, E. & Wolbring, T. (2017): *Studentische Lehrveranstaltungsevaluation. Grundlagen, Befunde, methodische Fallstricke*. *Handbuch Qualität in Studium und Lehre*. E7.20.

Treischl, E., Laumer, S., Schömer, D., Weigert, J., Wilbers, K., & Wolbring, T. (2020): *Give a little, take a little? A Factorial Survey Experiment on Students' Willingness to Use an AI-based Advisory System and to Share Data*. In: Wolbring, T.; Leitgöb, H.; Faulbaum, F.: *Sozialwissenschaftliche Datenerhebung im digitalen Zeitalter*. Springer VS, Wiesbaden.

Schömer, D., Laumer, S., Treischl, E., Weigert, J., Wilbers, K., & Wolbring, T. (2021): *Data-driven Student Advisory and Discrimination: A Literature Review on Machine Learning for Predicting Students' Academic Success*. *Americas Conference on Information Systems*.

Presentations

INTERNATIONAL CONFERENCES

What determines students' willingness to share data? Evidence from a Factorial Survey Experiment. *The International Conference on Social Science Methodology (RC33)*, Nicosia, Cyprus, September 2020 (with Tobias Wolbring).

Can a Factorial Survey be Used to Improve our Understanding of Teaching Quality? 8. *Conference of the European Survey Research Association*, Zagreb, July 2019 (with Anna-Lena Höning).

How To Find a Needle in the (Teaching) Hay Stack? *International Studies Association Annual Conference 2019*, Toronto, March 2019 (with Anna-Lena Höning).

Past, Present and Future of Factorial Surveys Experiments. *European Sociological Association Midterm Conference of RN 21 - Quantitative Methods*, Cracow, October 2018.

What's the Teaching Impact? The Causal Effect of Single Teaching Dimensions on Students' Evaluation of Teaching, *International Studies Association Annual Conference 2018*, San Francisco, April 2018 (with Anna-Lena Höning).

Skills

– **DATA, STATISTICS, AND PROGRAMMING:** R, PYTHON, SPSS, STATA, SQL

– **PROCESSING:** MARKDOWN, L^AT_EX, MS OFFICE

– **VISUALIZATION:** R (GGPLOT2, ETC.), ADOBE, PLOTLY, D3

– **WEB:** HTML, CSS, JAVASCRIPT

– **LANGUAGES:** GERMAN (NATIVE SPEAKER), ENGLISH, DUTCH, SPANISH