Marcel **Neunhoeffer**

Contact

University of Mannheim
A5 6
D-68131 Mannheim

mneunhoe@mail.uni-mannheim.de
marcel-neunhoeffer.com

Career Path

Academic Employments

University of Mannheim
Research Associate, Quantitative Methods in the Social Sciences
2016–Present

University of California, Berkeley
Lecturer - Information and Cybersecurity, School of Information
2020

Education

University of Mannheim
Ph.D. Candidate, Graduate School of Economic and Social Sciences
Thesis: Generative Adversarial Networks for Social Scientists
Expected 2020

University of California, Berkeley
Visiting Ph.D. Student, Simons Institute for the Theory of Computing
2019

University of Mannheim
M.A. Political Science
2016

University of Passau
B.A. Governance and Public Policy
2013

Research

Journal Articles

4. **Marcel Neunhoeffer**, Thomas Gschwend, Simon Munzert & Lukas F. Stoetzer, 2020. An Approach to Predicting the District Vote Shares in German Federal Elections. *Politische Vierteljahresschrift* 61 (1): 111-130.

3. Lukas F. Stoetzer, **Marcel Neunhoeffer**, Thomas Gschwend, Simon Munzert & Sebastian Sternberg, 2019. Forecasting Elections in Multi-Party Systems: A Bayesian Approach Combining Polls and Fundamentals. *Political Analysis* 27 (2): 255-262.

2. **Marcel Neunhoeffer** & Sebastian Sternberg, 2019. How Cross-Validation Can Go Wrong and What to Do About it. *Political Analysis* 27 (1): 101-106.

1. Lukas F. Stoetzer, Simon Munzert, Thomas Gschwend, **Marcel Neunhoeffer** & Sebastian Sternberg, 2017. Ein strukturell-dynamisches Vorhersagemodell für Bundestagswahlen. *Politische Vierteljahresschrift* 58 (3): 418-442.

Other Publications

1. **Marcel Neunhoeffer**, 2018. Book Review: In-Your-Face Politics: The Consequences of Uncivil Media by Diana C Mutz. *Political Studies Review* 16 (1): NP76.

Articles Under Review

Marcel Neunhoeffer, Zihwei Steven Wu & Cynthia Dwork, 2020. Private Post-GAN Boosting.

Christian Arnold & **Marcel Neunhoeffer**, 2020. Really Useful Synthetic Data – A Framework to Evaluate the Quality of Differentially Private Synthetic Data.

Work in Progress

Marcel Neunhoeffer, 2020. A New Algorithm for Flexible Multiple Imputation: Generative Adversarial Imputation Nets to Impute Missing Values.

Thomas Gschwend, **Marcel Neunhoeffer** & Oliver Rittmann, 2020. Improving Substantive Interpretation of Regression Results when the Dependent Variable is logged.

Marcel Neunhoeffer & Richard Traunmüller, 2020. Generative Adversarial Imputation Nets for Small Area Estimation.

Invited Talks

Social Science Data Lab, Generative Adversarial Nets for Social Scientists, 2020.

Workshop on Economics of Privacy and Data Labor at ICML 2020, Really Useful Synthetic Data – A Framework to Evaluate the Quality of Differentially Private Synthetic Data with Christian Arnold, 2020.

International Methods Colloquium, Flexible Multiple Imputation for Social Science using Generative Adversarial Nets, 2019.

Conference & Workshop Presentations

European Political Science Association General Conference (2017, 2019)
DAGStat Conference (2019)
Annual PSA Methodology Conference (2019)
APSA Annual Meeting and Exhibition (2018)
Annual Meeting of the Society for Political Methodology (2018)
European Consortium for Political Research General Conference (2017)

Outreach and Honors

Public Outreach

Thomas Gschwend & **Marcel Neunhoeffer** (23 January 2020):"CSUler in die Container? Oder wie man doch noch zu einem Bundestag mit 598 Abgeordneten kommen kann." [Put the CSU MPs in temporary offices? Or how a Bundestag with 598 members of parliament can be achieved.] Verfassungsblog.

Thomas Gschwend, **Marcel Neunhoeffer** & Marie-Lou Sohnius (09 August 2019): "Grünes Umfragehoch - Warum der Hype diesmal bis zur nächsten Wahl dauern könnte" [Green Polling High - Why the hype could carry over to the next election this time.] Tagesspiegel.

Thomas Gschwend, Thomas König & **Marcel Neunhoeffer** (14 October 2018): "Wie das bayerische Wahlrecht die CSU begünstigt." [How the electoral rules in Bavaria favor the CSU.] Zeit Online.

Thomas Gschwend, Simon Munzert, **Marcel Neunhoeffer**, Sebastian Sternberg & Lukas F. Stoetzer (23 September 2017): "New German election forecast: Merkel's party will win but lose seats." The Washington Post, Monkey Cage.

Sebastian Sternberg & **Marcel Neunhoeffer** (01 September 2017): "Das Rennen um Platz drei bleibt spannend." [The race for the third place is a tight one.] Tagesspiegel, Causa.

Co-founder and contributor zweitstimme.org, German Federal Election Forecast, 2017–Present.

Honors and Awards

IPID4all Travel Grant, University of Mannheim, Funding for the Research Stay at University of California, Berkeley (3,739 EUR), 2018.

Publication of the Year Award by the CDSS and GESS at the University of Mannheim for "How Cross-Validation Can Go Wrong and What to Do About it" (1,000 EUR) with Sebastian Sternberg, 2018.

Teaching, Service and Skills

Teaching

University of Mannheim, School of Social Sciences

Multivariate Analyses
Graduate (Fall 2016, 2017, 2018, 2019, 2020)

Advanced Quantitative Methods
Graduate (Spring 2017, 2018, 2019, 2020)

University of California, Berkeley, School of Information

Privacy Engineering
Graduate (Summer 2020)

University of Applied Sciences Ludwigshafen

Applied Marketing Research
Graduate (Spring 2017)

Professional Teaching Experience

Big Data and Social Science
GRADE – Goethe Research Academy for Early Career Researchers
Frankfurt am Main (June 2019)

Supervised and unsupervised Machine Learning and Deep Learning
Bundesbank, Frankfurt am Main (March 2019)

Introduction to R
Geschäftstelle für Qualitätssicherung Hessen, Eschborn
(February 2018)

Professional Service	Referee Service: *American Political Science Review, British Journal of Political Science, Journal of Politics, Party Politics, Political Analysis, Political Science Research and Methods, Politische Vierteljahresschrift, International Journal of Forecasting*
	Member of the Organising Committee for PolMeth Europe
Skills	Software: R, Python, PyTorch, Tensorflow, Keras, Stan; html
	Code Repository: github.com/mneunhoe
	Languages: German (native), English (fluent), French (basic)

References

Available upon request.