CHRISTOPH ROTHE

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EMPLOYMENT

Professor, Department of Economics, University of Mannheim	since 2017
Assistant Professor, Department of Economics, Columbia University	2012–2017
Assistant Professor (JJLF Junior Chair), Toulouse School of Economics	2009–2012

AFFILIATIONS

Visiting Professorial Fellow, University of New South Wales	Jan–Jul 2024
Visiting Fellow, Department of Economics, Princeton University	Sep–Dec 2015
Research Fellow, Institute of Labor Economics (IZA), Bonn	since 2011

EDUCATION

Ph.D. in Economics, University of Mannheim	2005–2009
Diplom in Statistics, University of Dortmund	2000–2005

RESEARCH FIELDS

Econometrics; Non- and Semiparametric Methods; Causal Inference.

RESEARCH GRANTS

ERC Consolidator Grant: "RD-ADVANCE: Advancing Econometric Methods for Analyzing Data from Regression Discontinuity Designs" (EUR 880,000)	2018–2023
German Scholars Organization/Carl-Zeiss-Stiftung Grant (EUR 100,000)	2017–2021
National Science Foundation Grant: "Non-Standard Issues in Regression Discontinuity Designs," with Francois Gerard and Miikka Rokkanen (USD 236,000)	2016–2018

HONORS AND AWARDS

Fellow, *Journal of Econometrics*,	2022
Excellence in Graduate Teaching Award, Columbia University Association of Graduate Economics Students	2014, 2016–2018
Gumbel Lecture, Annual Meeting of the German Statistical Society	2015
German Research Foundation (DFG) Doctoral Scholarship	2005–2008
Award for best *Diplom* thesis in Statistics, University of Dortmund	2005
German Academic Exchange Service (DAAD) Scholarship	2003

PROFESSIONAL SERVICES

Co-Editor, *Econometrics Journal*	since 2024
Associate Editor, *Econometrica*	since 2024

Editorial Board Member, *Review of Economic Studies* since 2019

Associate Editor, *Journal of Econometrics* since 2019

Associate Editor, *Econometrics Journal* 2022–2024

Associate Editor, *Journal of Business and Economic Statistics* 2017–2021

Associate Editor, *Econometric Reviews* 2016–2019

Program committee member: (EC)2 Meeting (2023), Econometric Society European Winter Meeting (2022, 2018), Econometric Society World Congress (2020), Econometric Society European Summer Meeting (2018–2019), International Association for Applied Econometrics Annual Conference (2016–2018).

Refereeing: American Economic Review, AER: Insights, Annals of Statistics, Computational Statistics and Data Analysis, Econometric Reviews, Econometric Theory, Econometrica, Econometrics Journal, Economica, Empirical Economics, Journal of Applied Econometrics, Journal of Business and Economic Statistics, Journal of Development Economics, Journal of Econometric Methods, Journal of Econometrics, Journal of Economic Inequality, Journal of Multivariate Analysis, Journal of Political Economy, Journal of Statistical Planning and Inference, Journal of the American Statistical Association, Labour, Labour Economics, Oxford Bulletin of Economics and Statistics, Quantitative Economics, Review of Economic Studies, Review of Economics and Statistics, Statistics, Statistics and Probability Letters.

Grant review: Economic and Social Research Council (UK), European Research Council (EU), National Science Foundation (USA).

REFEREED PUBLICATIONS

Claudia Noack and Christoph Rothe (2024): "Bias-Aware Inference in Fuzzy Regression Discontinuity Designs," *Econometrica*, 92, 687–711.

Alexander Kreiß and Christoph Rothe (2023): "Inference in Regression Discontinuity Designs with High-Dimensional Covariates," *Econometrics Journal*, 26, 105–123.

Francois Gerard, Miikka Rokkanen, and Christoph Rothe (2020): "Bounds on Treatment Effects in Regression Discontinuity Designs under Manipulation of the Running Variable," *Quantitative Economics*, 11, 839–870.

Christoph Rothe and Dominik Wied (2020): "Estimating Derivatives of Function-Valued Parameters in a Class of Moment Condition Models," *Journal of Econometrics*, 217, 1–19.

Sergio Firpo and Christoph Rothe (2019): "Properties of Doubly Robust Estimators when Nuisance Functions are Estimated Nonparametrically," *Econometric Theory*, 35, 1048–1087.

Christoph Rothe and Michal Kolesár (2018): "Inference in Regression Discontinuity Designs with a Discrete Running Variable," *American Economic Review*, 108, 2277–2304.

Christoph Rothe (2017): "Robust Confidence Intervals for Average Treatment Effects under Limited Overlap," *Econometrica*, 85, 645–660.

Enno Mammen, Melanie Schienle, and Christoph Rothe (2016): "Semiparametric Estimation with Generated Covariates," *Econometric Theory*, 32, 1140–1177.

Carolina Caetano, Nese Yıldız, and Christoph Rothe (2016): "A Discontinuity Test for Identification in Triangular Nonseparable Models," *Journal of Econometrics*, 193, 113–122.

Christoph Rothe (2015): “Decomposing the Composition Effect: The Role of Covariates in Determining Between-Group differences in Economic Outcomes,” *Journal of Business and Economic Statistics*, 33, 323–337.

Christoph Rothe and Dominik Wied (2013): “Misspecification Testing in a Class of Conditional Distributional Models,” *Journal of the American Statistical Association*, 108, 314–324.

Christoph Rothe (2012): “Partial Distributional Policy Effects,” *Econometrica*, 80, 2269–2301.

Enno Mammen, Melanie Schienle, and Christoph Rothe (2012): “Nonparametric Regression with Nonparametrically Generated Covariates,” *Annals of Statistics*, 40, 1132–1170.

Christoph Rothe (2010): “Identification of Unconditional Partial Effects in Nonseparable Models,” *Economics Letters*, 109, 171–174.

Christoph Rothe (2010): “Nonparametric Estimation of Distributional Policy Effects,” *Journal of Econometrics*, 155, 56–70.

Christoph Rothe (2009): “Semiparametric Estimation of Binary Response Models with Endogenous Regressors,” *Journal of Econometrics*, 153, 51–64.

Christoph Rothe and Philipp Sibbertsen (2006): “Phillips-Perron-type Unit Root Tests in the Nonlinear ESTAR framework,” *Allgemeines Statistisches Archiv*, 90, 439–456.

NON-REFEREED PUBLICATIONS

Christoph Rothe (2021): “Multiple testing and the Effect of NPIs on the spread of COVID-19,” *The Lancet Infectious Diseases*, 21, 458.

Enno Mammen, Melanie Schienle and Christoph Rothe (2013): “Generated Regressors in Nonparametric Estimation: A Short Review,” in *Recent Developments in Modeling and Applications in Statistics*, ed. by P.E. Oliveira et al., Springer Verlag.

INVITED TALKS AND CONFERENCE PRESENTATIONS (LAST 10 YEARS)

2024 (includes scheduled talks: University of New South Wales, University of Groningen, International Symposium for Econometric Theory and Applications (Taipei)

2023: Tilburg University, University of Surrey, Universitat Pompeu Fabra, Frankfurt Econometrics Workshop, Econometric Society European Summer Meeting (Barcelona).

2022: University of Bristol, Econometric Society North American Summer Meeting (Miami).

2021: UC Irvine, Hong Kong UST, University of Helsinki, Montreal.

2020: Heidelberg, Chamberlain Seminar; Econometric Society World Congress.

2019: CREST, Warwick, London School of Economics, Toulouse School of Economics, LMU Munich, University of Amsterdam, Lund.

2018: University of Luxembourg, University College London, University of Cambridge, University of Vienna, University of Bonn; Econometric Society North American Winter Meeting (Philadelphia), IMS Asian Pacific Rim Meeting (Singapore). Econometric Society European Summer Meeting (Cologne).

2017: Econometric Society North American Winter Meeting (Chicago).

2016: University of Oklahoma, University of Iowa, Toronto, University of British Columbia; Econometric Society North American Winter Meeting (San Francisco), International Association for Applied Econometrics Annual Conference (Milan), IMS Asian Pacific Rim Meeting (Hong Kong).

2015: Syracuse, University of Maryland, Princeton, Yale, Boston University; Workshop on “Structured Nonparametric Modeling” in Honor of Enno Mammen’s 60th Birthday (Berlin), Annual Meeting of the German Statistical Society (Hamburg), Interactions: Bringing Together Econometrics and Applied Microeconomics (Chicago).

2014: University of Wisconsin Milwaukee, Georgetown, Northwestern, Duke; Econometric Society North American Winter Meeting (Philadelphia), Cowles Summer Conference (Yale), CEME Conference on Inference in Non-Standard Problems (Princeton), Econometric Society European Meeting (Toulouse), Greater NY Metropolitan Area Colloquium (Princeton).

PHD STUDENT SUPERVISION AND EXAMINATION

Main Advisor: Majed Dodin (Mannheim, 2021), Claudia Noack (Mannheim, 2021), Tomasz Olma (Mannheim, 2021)

Committee member/external examiner: Jérémy L’Hour (ENSAE Paris, 2019), Phillip Heiler (Konstanz, 2019), Jasmin Fliegner (TSE, 2019), Kerem Tuzcuoglu (Columbia, 2017), Lina Liu (Columbia, 2017), Ju Hyun Kim (Columbia, 2014).

Vita Date: June 5, 2024.