

# CHRISTOPH ROTHE

Curriculum Vitae, February 2020

Department of Economics  
University of Mannheim  
68131 Mannheim, Germany

rothe@vwl.uni-mannheim.de ✉  
www.christophrothe.net 🌐  
+49 621 181 1921 ☎

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## ACADEMIC POSITIONS

Professor (W3), Department of Economics, University of Mannheim	2017–present
Assistant Professor, Department of Economics, Columbia University	2012–2017
Visiting Fellow, Department of Economics, Princeton University	Fall 2015
Research Fellow, Institute for the Study of Labor (IZA)	2011–present
Assistant Professor (Junior Chair), Toulouse School of Economics	2009–2012

## EDUCATION

Ph.D. in Economics, University of Mannheim	2005–2009
Visiting Research Student, University College London	Fall 2008
Diplom in Statistics, University of Dortmund	2000–2005
Visiting Student, University of Auckland	2003

## REFEREED PUBLICATIONS

“Bounds on Treatment Effects in Regression Discontinuity Designs under Manipulation of the Running Variable,” with Francois Gerard and Miikka Rokkanen, *Quantitative Economics* (to appear).

“Estimating Derivatives of Function-Valued Parameters in a Class of Moment Condition Models,” with Dominik Wied, *Journal of Econometrics* (to appear).

“Properties of Doubly Robust Estimators when Nuisance Functions are Estimated Nonparametrically,” with Sergio Firpo, *Econometric Theory*, (2019), 35, 1048–1087.

“Inference in Regression Discontinuity Designs with a Discrete Running Variable,” with Michal Kolesár, *American Economic Review*, (2018), 108, 2277–2304.

“Robust Confidence Intervals for Average Treatment Effects under Limited Overlap,” *Econometrica* (2017), 85, 645–660.

“Semiparametric Estimation with Generated Covariates,” with Enno Mammen and Melanie Schienle, *Econometric Theory* (2016), 32, 1140–1177.

“A Discontinuity Test for Identification in Triangular Nonseparable Models,” with Carolina Cattaneo and Nese Yildız, *Journal of Econometrics* (2016), 193, 113–122.

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

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

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

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

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

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

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

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

#### NON-REFEREED PUBLICATIONS

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

#### WORKING PAPERS

“Bias-Aware Inference in Fuzzy Regression Discontinuity Designs,” with Claudia Noack.

“Flexible Covariate Adjustments in Randomized Experiments.”

#### GRANTS

ERC Consolidator Grant: “RD-ADVANCE: Advancing Econometric Methods for Analyzing Data from Regression Discontinuity Designs” (EUR 880,000), 2018–2022.

German Scholars Organization and Carl-Zeiss-Stiftung Grant (EUR 100,000), 2017–2020.

National Science Foundation Grant: “Non-Standard Issues in Regression Discontinuity Designs,” with Francois Gerard and Miikka Rokkanen (USD 236,000), 2016–2018.

#### EDITORIAL ACTIVITIES

Editorial Board Member, *Review of Economic Studies* 2019–present

Associate Editor, *Journal of Econometrics* 2019–present

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

Associate Editor, *Econometric Reviews* 2016–present

Program Committee Member: Econometric Society World Congress (2020), Econometric Society European Winter Meeting (2018), Econometric Society European Summer Meeting (2018–2019), International Association for Applied Econometrics Annual Conference (2016–2018).

Refereeing for academic journals: *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 Statis-*

tics, 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.

Refereeing for research agencies: Economic and Social Research Council (UK), European Research Council (EU), National Science Foundation (USA).

#### **HONORS AND AWARDS**

Excellence in Graduate Teaching Award, Columbia University Association of Graduate Economics Students, 2014, 2016, 2017 & 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.

#### **INVITED SEMINARS AND CONFERENCE TALKS (LAST 10 YEARS)**

2020: Heidelberg

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)

2013: New York University, University of Pennsylvania, Princeton, Brown, University of Texas Austin, Ohio State University, Indiana University, Harvard/MIT, Pennsylvania State University,

University of Wisconsin Madison, Dortmund; CEME Conference on Inference in Non-Standard Problems (Cornell), European Economic Association & Econometric Society European Meeting (Gothenburg), LATAM Workshop in Econometrics (Sao Paulo)

*2012:* University College London, CREST, Universidad Carlos III de Madrid, Rutgers, Rochester; Econometric Society North American Winter Meeting (Chicago), Greater New York Area Econometrics Colloquium (New York University)

*2011:* Oxford, Mannheim; Econometric Society European Meeting (Oslo)

#### **TEACHING EXPERIENCE**

Advanced Econometrics 1 (Mannheim, Graduate, Fall 2017– Fall 2018)

Introduction to Econometrics 2 (Columbia, Graduate, Spring 2013–Spring 2017)

Introduction to Econometrics (Columbia, Undergraduate, Spring 2015)

Advanced Microeconometrics (TSE, Graduate, Spring 2010–Spring 2012)

#### **PHD STUDENT SUPERVISION**

Claudia Noack, main advisor (Mannheim, graduation expected 2021)

Tomasz Olma, main advisor (Mannheim, graduation expected 2021)

Majed Dodin, main advisor (Mannheim, graduation expected 2020)

Phillip Heiler, external thesis committee member (Konstanz, 2019, initial placement: Aarhus)

Jasmin Fliegner, external thesis committee member (TSE, 2019, initial placement: JPAL postdoc)

Kerem Tuzcuoglu, thesis committee member (Columbia, 2017, initial placement: Bank of Canada)

Lina Liu, thesis committee member (Columbia, 2017, initial placement: Boston Fed)

Ju Hyun Kim, thesis committee member (Columbia, 2014, initial placement: UNC Chapel Hill)