

# CHRISTOPH ROTHE

Curriculum Vitae, July 2018

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## OFFICE CONTACT

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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
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

## RESEARCH GRANTS

European Research Council Consolidator Grant “RD-ADVANCE: Advancing Econometric Methods for Analyzing Data from Regression Discontinuity Designs”, 2018–2022.

German Scholars Organization and Carl-Zeiss-Stiftung Grant GSO/CZS 17, 2017–2020.

National Science Foundation Grant SES 1559058: “Non-Standard Issues in Regression Discontinuity Designs,” with Francois Gerard and Miikka Rokkanen, 2016–2018.

## REFEREED PUBLICATIONS

“Properties of Doubly Robust Estimators when Nuisance Functions are Estimated Nonparametrically,” with Sergio Firpo, *Econometric Theory*, to appear.

“Inference in Regression Discontinuity Designs with a Discrete Running Variable,” with Michal Kolesár, *American Economic Review*, to appear.

“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 Caetano and Nese Yıldız, *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)

#### **COMPLETED WORKING PAPERS**

“Bounds on Treatment Effects in Regression Discontinuity Designs under Manipulation of the Running Variable,” with Francois Gerard and Miikka Rokkanen.

“Estimating Derivatives of Function-Valued Parameters in a Class of Moment Condition Models,” with Dominik Wied, reject and resubmit, *Journal of Econometrics*.

“Flexible Covariate Adjustments in Randomized Experiments.”

#### **PROFESSIONAL ACTIVITIES**

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

Associate Editor, *Econometric Reviews*, 2016–present.

Program Committee Member, Econometric Society European Winter Meeting, 2018.

Program Committee Member, Econometric Society European Summer Meeting, 2018.

Program Committee Member, International Association for Applied Econometrics Annual Conference, 2016–2018.

Research Fellow, Institute for the Study of Labor (IZA), 2011–present

Referee for *Annals of Statistics*, *Computational Statistics and Data Analysis*, *Econometric Reviews*, *Econometric Theory*, *Econometrica*, *Econometrics Journal*, *Economic and Social Research Council (UK)*, *Economica*, *Empirical Economics*, *European Research Council (EU)*, *Journal of Applied Econometrics*, *Journal of Business and Economic Statistics*, *Journal of Development Economics*, *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*, *National Science Foundation (USA)*, *Oxford Bulletin of Economics and Statistics*, *Quantitative Economics*, *Review of Economic Studies*, *Review of Economics and Statistics*, *Statistics*, *Statistics and Probability Letters*.

#### **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**

2019 Scheduled: CREST, Toulouse School of Economics

2018 University of Luxembourg, University College London, University of Cambridge, University of Vienna. Scheduled: University of Bonn

2016 University of Oklahoma, University of Iowa, Toronto, University of British Columbia

2015 Syracuse, University of Maryland, Princeton, Yale, Boston University

2014 University of Wisconsin Milwaukee, Georgetown, Northwestern, Duke

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

2012 University College London, CREST, Universidad Carlos III de Madrid, Rutgers, Rochester

2011 Oxford, Mannheim

2010 Humboldt-Universität Berlin, Einaudi Institute Rome, St. Gallen, Columbia, Georgetown

2009 Toulouse School of Economics, University of British Columbia, University of New South Wales, UC Louvain, Warwick

#### CONFERENCE PRESENTATIONS

- 2018 Econometric Society North American Winter Meeting (Philadelphia), IMS Asian Pacific Rim Meeting (Singapore). Scheduled: Econometric Society European Summer Meeting (Cologne)
- 2017 Econometric Society North American Winter Meeting (Chicago)
- 2016 Econometric Society North American Winter Meeting (San Francisco), International Association for Applied Econometrics Annual Conference (Milan), IMS Asian Pacific Rim Meeting (Hong Kong).
- 2015 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 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 CEME Conference on Inference in Non-Standard Problems (Cornell), European Economic Association & Econometric Society European Meeting (Gothenburg), LATAM Workshop in Econometrics (Sao Paulo)
- 2012 Econometric Society North American Winter Meeting (Chicago), Greater New York Area Econometrics Colloquium (New York University)
- 2011 Econometric Society European Meeting (Oslo)
- 2010 21st EC2 Conference (Toulouse), 2nd Annual French Econometrics Conference (Paris), Annual Meeting of the German Statistical Society (Nuremberg), Advancing Applied Microeconometrics (Beijing), SOLE/EALE International Conference (London)
- 2009 Econometric Society European Meeting (Barcelona), Econometric Society North American Summer Meeting (Boston), Workshop on Non- and Semiparametric Methods in Econometrics (BIRS Banff)
- 2008 Econometric Society European Winter Meeting (Cambridge), Econometric Society European Meeting (Milan), Symposium on Econometric Theory and Applications (Seoul), Annual Meeting of the German Statistical Society (Berlin), 8th German Open Conference on Probability and Statistics (Aachen), ENTER Jamboree (Madrid).
- 2007 Econometric Society European Meeting (Budapest), Annual Meeting of the German Statistical Society (Bielefeld), Workshop on Non- and Semiparametric Methods in Econometrics (MFO Oberwolfach).

**TEACHING EXPERIENCE**

Advanced Econometrics 1 (Mannheim, Graduate, Fall 2017)

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**

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

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

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