ADAM M. ROSEN

Department of Economics

E-mail: adam.rosen@duke.edu

Duke University

Website: https://sites.google.com/site/amr331/

213 Social Sciences, Box 90097

Durham, NC 27708

United States

EDUCATION:

Ph.D.: Economics, Northwestern University, 2006.

     Dissertation: *Partial Identification via Moment Inequality Restrictions with Applications in Industrial Organization*.

     Committee Chairperson: Charles F. Manski.

B.A.: Economics and Mathematics with concentration in Computer Science, Cornell University, 1999.

EMPLOYMENT:

Professor, Department of Economics, Duke University, 2019 – present.

Associate Professor, Department of Economics, Duke University, 2016 – 2019.

Associate Professor (Reader), Department of Economics, University College London, 2013 – 2016.

Assistant Professor (Lecturer), Department of Economics, University College London, 2006 – 2013.

OTHER ACADEMIC APPOINTMENTS:

International Research Economist, Centre for Microdata Methods and Practice, 2016 – present.

International Research Fellow, Institute for Fiscal Studies, 2016 – present.

Research Economist, Centre for Microdata Methods and Practice, 2006 – 2016.

Research Fellow, Institute for Fiscal Studies, 2008 – 2016.

Research Associate, Institute for Fiscal Studies, 2006 – 2008.

PUBLISHED AND FORTHCOMING PAPERS:

"IV Methods for Tobit Models," with A. Chesher and D. Kim, forthcoming at *Journal of Econometrics*.

"A Discrete Choice Model for Partially Ordered Alternatives," with E. Aristodemou, *Quantitative Economics*, Vol. 13, Issue 3, 2022, pp. 863-906.s

"Inference in Ordered Response Games with Complete Information," with A. Aradillas-Lopez. *Journal of Econometrics*, Vol. 226, Issue 2, 2022, pp. 451-476.

"Counterfactual Worlds," with A. Chesher, *Annals of Economics and Statistics*, Number 142, 2021, pp. 311-335.

"Generalized Instrumental Variable Models, Methods, and Applications," with A. Chesher, in S.N. Durlauf, L.P. Hansen, J.J. Heckman, and R.L. Matzkin (editors), *Handbook of Econometrics, Volume 7a,* Amsterdam: North-Holland, 2020, pp. 1-110.

"Partial Identification in Applied Research: Benefits and Challenges," with K. Ho, in B. Honore, A. Pakes, M. Piazzesi and L. Samuelson (editors), *Advances in Economics and Econometrics: Eleventh World Congress (Econometric Society Monographs), Volume II*, Cambridge, UK: Cambridge University Press, 2017, pp. 307-359.

"Generalized Instrumental Variable Models," with A. Chesher, *Econometrica*, Vol. 85, Issue 3, 2017, pp. 959-989.

"Implementing Intersection Bounds in STATA," with V. Chernozhukov, W. Kim, and S. Lee, *Stata Journal*, Vol. 15, Issue 1, 2015, pp. 21-44. Code for the accompanying Stata module is available At http://econpapers.repec.org/software/bocbocode/s457674.htm.

"An Instrumental Variable Random Coefficients Model for Binary Outcomes," with A. Chesher, *Econometrics Journal*, Vol. 17, Issue 2, 2014, pp. S1-S19.

"An Instrumental Variable Model of Multiple Discrete Choice," with A. Chesher and K. Smolinski, *Quantitative Economics*, Vol. 4, No. 2, 2013, pp. 157-196.

"What do Instrumental Variable Models Deliver with Discrete Dependent Variables?" with A. Chesher, *American Economic Review: Papers & Proceedings*, Vol. 103, No. 3, 2013, pp. 557-562.

"Intersection Bounds: Estimation and Inference," with V. Chernozhukov and S. Lee, *Econometrica*, Vol. 81, No. 2, 2013, pp. 667-737.

"Identification with Imperfect Instruments," with A. Nevo, *Review of Economics and Statistics*, Vol. 94, No. 3, 2012, pp. 659-671.

"Set Identification via Quantile Restrictions in Short Panels," *Journal of Econometrics*, Vol. 166, No. 1, 2012, pp. 127-137.

"Confidence Sets for Partially Identified Parameters that Satisfy a Finite Number of Moment Inequalities," *Journal of Econometrics*, 2008, Vol. 146, No. 1, pp. 107-117.

"The Identification Power of Equilibrium in Games: The Supermodular Case," with F. Molinari, *Journal of Business and Economic Statistics*, 2008, vol. 26, number 3, pp. 297-302. Invited comment on Aradillas-Lopez and Tamer (2008), prepared for the 2007 Joint Statistical Meetings.

WORKING PAPERS:

"Finite Sample Inference for the Maximum Score Estimand," with T. Ura, May 2020. CeMMAP working paper CWP22/20. Revised October 2020.

"Estimating Endogenous Effects on Ordinal Outcomes," with A. Chesher and Z. Siddique, CeMMAP working paper CWP66/19. Revised June 2020.

"Econometric Modeling of Interdependent Discrete Choice with Applications to Market Structure," with A. Chesher, May 2020 CeMMAP working paper CWP25/20. Supersedes the earlier CeMMAP working paper CWP21/12 "Simultaneous Equations Models for Discrete Outcomes: Coherence, Completeness, and Identification."

"Incomplete English Auction Models with Heterogeneity," with A. Chesher, May 2017. CeMMAP working paper CWP27/17.

"Identification and Estimation of Firms' Marginal Cost Functions with Incomplete Knowledge of Strategic Behavior," December 2006. CeMMAP working paper CWP03/07.

GRANTS, FELLOWSHIPS, AND AWARDS:
British Academy Mid-Career Fellowship, 2015/16.
ESRC National Centre for Resarch Methods node "Programme Evaluation for Policy Analysis,"
      2011– 2015, Team Member. Principal Investigator: Mike Brewer.
European Research Council Grant ERC-2009-StG 240910-ROMETA: "Research on Microeconometrics:
      Theory and Applications," 2009 – 2015, Co-Investigator. Principal Investigator: Sokbae Lee.
ESRC Grant RES 000-22-2761: "Research on Nonparametric Methods in Microeconometrics,"
      2008 –2010, Co- Investigator. Principal Investigator: Sokbae Lee.
Fellowship, Center for the Study of Industrial Organization, Northwestern University, 2005 – 2006.
Robert Eisner Memorial Fellowship, Department of Economics, Northwestern University, 2004 – 2005.
Dean's List, Cornell University, 1995 – 1998.

TEACHING EXPERIENCE:
Undergraduate Microeconometrics (UCL, 2006/07 – 2008/09)
Undergraduate Industrial Organization (UCL, 2009/10 – 2010/11)
MSc Microeconometrics (UCL, 2006/07 – 2014/15)
MPhil/1st year PhD Econometrics (UCL, 2006/07 – 2014/15)
Undergraduate Statistical Methods in Economics (UCL, 2013/14 – 2014/15)
CeMMAP Training Course: Partial Identification in Practice (June 2016, 2017, 2018, 2019, 2021)
MA Microeconometrics (Duke, 2016/17 – 2019/20)
PhD 2nd year module on Point and Partial Identification (Duke, 2017/18)
PhD 2nd year module on Partial Identification in Practice (Duke, 2017/18)
PhD 2nd year course on Partial Identification: Theory and Application in Industrial Organization
      (co-taught with Allan Collar-Wexler, Duke, 2018/19 – 2022/23)
PhD 2nd year module: Econometrics III, part II (Duke 2019/20 – 2022/23)
PhD 1st year core: Econometrics II, part I (Duke 2020/21 – 2022/23)

CONFERENCE AND SEMINAR PRESENTATIONS:
2005:   Northwestern, Econometric Society World Congress (UCL), Conference on Incomplete Models
       (Northwestern).

2006:   University College London, University of British Columbia, University of Michigan, University
       of Pennsylvania, Boston University, MIT's Sloan School of Business, UC Irvine, UC San Diego,
       University of Maryland, Cornell, North American Summer Meetings of the Econometric Society
       (Minneapolis, MN), London School of Economics, University of Mannheim, 76th Annual
       Conference of the Southern Economic Association (Charleston, SC), 3rd Meeting of the Research
       and Training Network for Microdata Methods and Practice, (CEMFI, Madrid).

2007:   London School of Economics, Queen Mary University, Helsinki School of Economics, New
       York University, Princeton, Duke, Stanford, Université des Sciences Sociales de Toulouse,
       Centre for Applied Microeconometrics summer workshop at the University of Copenhagen,
       Econometric Society European Meetings (Budapest), Tinbergen Institute, Oxford, Carlos III
       University of Madrid, University of Maryland, Georgetown, University of Virginia,
       Harvard/MIT, Network of Industrial Economics Conference (Oxford).

2008:   Warwick, Cambridge, Conference on Inference in Partially Identified Models with Applications
       (Northwestern/CEMMAP), University of Paris I, CIREQ Conference on Inference in Incomplete
       Models (Montreal).

2009:   University of Naples, Federico II, CEMMAP/Northwestern Conference on Identification and Decisions, CEMMAP conference on Quantile Regression, UC Berkeley, UC Los Angeles, New York University.

2010:   Bristol, UK Competition Commission, Cornell, 2010 Econometric Society World Congress (Shanghai), Annual Meeting of the German Statistical Association (Nuremberg), CEMMAP/CIREQ joint conference on Partial Identification and Revealed Preferences. (Montreal), Seoul National University, University of Manchester.

2011:   CeMMAP/UCL, CeMMAP/Northwestern conference in honour of Joel Horowitz's 70th Birthday, CREST, Institute for Advanced Studies, Vienna, IFS Conference on Consumer Behavior and Welfare Measurement.

2012:   North American Winter Meeting of the Econometric Society (Chicago), Conference on Recent Development in Micro-econometrics (Vanderbilt), Georgetown, Conference on New Developments in the Use of Random Sets in Economics (UCL and CeMMAP), North American Summer Meeting of the Econometric Society (Evanston), European Meeting of Econometric Society (Malaga), Tilburg, Second CIREQ-CeMMAP Conference on Incomplete Models (Montreal), London School of Economics, Stanford, UC Berkeley.

2013:   North American Winter Meeting of the Econometric Society (San Diego), Hebrew University of Jerusalem, Mathematical Statistics of Partially Identified Objects (Oberwolfach, Germany), Cowles Conference on Partial Identification, Weak Identification, and Related Econometric Problems (New Haven), CeMMAP and Breen Family Fund Conference on Recent Contributions to Inference in Game Theoretic Models (London), Asian Meeting of the Econometric Society (Singapore), University of Virginia, Yale, Toulouse School of Economics, Oxford, Duke, University of Illinois at Urbana-Champaign.

2014:   Tinbergen Institute, Surrey, Humboldt University of Berlin, Collegio Carlo Alberto, CeMMAP/University of Tokyo/HKUST Institute for Advanced Studies Conference on Advances in Microeconometrics (Hong Kong University of Science and Technology), University College London.

2015:   North American Winter Meeting of the Econometric Society (Boston), University of Reading, University of Manchester, Cornell, Seoul National University/CeMMAP Workshop on Advances in Microeconometrics (Seoul), 2015 Econometric Society World Congress (Montreal), Duke.

2016:   North American Summer Meeting of the Econometric Society (Philadelphia).

2017:   University of Virginia, University of Michigan, Columbia, Conference on Econometrics and Models of Strategic Interactions (Vanderbilt), Johns Hopkins, 2017 Asian Meeting of the Econometric Society (Chinese University of Hong Kong), CeMMAP and Shanghai Jiao Tong University Conference on Advances in Econometrics, Becker-Friedman Institute Handbook of Econometrics Conference, University of Southern California, University of Chicago, University of Wisconsin, University of Toronto, Conference of the Southern Economic Association (Tampa, FL).

2018:   McMaster, Conference of Former Northwestern Econometrics Students (Northwestern), University of Maryland, Georgetown, Rutgers, University of Bristol.

2019:   Duke, Princeton, Columbia, Conference on Advances in Econometrics (Vanderbilt), Simon Fraser, Yale, University of Leicester.

2020:   Johns Hopkins, Summer Workshop on Applications of Revealed Preference (Virtual), 2020 Econometric Society World Congress (Virtual), Chamberlain Seminar Discussant (Virtual).

2022:   University of Washington, Ohio State University, Toulouse School of Economics Conference on Estimation and Inference in Econometric Models.

2023:   (Scheduled): National University of Singapore, Singapore Management University, University of Western Ontario, Vanderbilt University Conference on Models of Strategic Interactions.

PROFESSIONAL SERVICE:

Editorial Experience:
Associate Editor, *Review of Economics and Statistics*, 2014 – 2019.
Associate Editor, *Econometrics Journal*, 2015 – present.
Associate Editor, *Quantitative Economics*, 2015 – present.
Associate Editor, *Journal of Econometric Methods*, 2018 – present.
Associate Editor, *Journal of Econometrics*, 2022 – present.

Referee Experience:
American Economic Review, American Economic Journal: Microeconomics, B.E. Journal of Economic Analysis & Policy, Econometric Theory, Econometrica, Econometrics, Econometrics Journal, Econometrics Reviews, Economic Journal, Economic and Social Research Council, Economics Letters, European Economic Review, European Research Council, Review Information Economics and Policy, International Journal of Industrial Organization, Journal of Applied Econometrics, Journal of Business and Economic Statistics, Journal of Econometric Methods, Journal of Econometrics, Journal of Industrial Economics, Journal of Political Economy, Journal of Statistical Science, National Science Foundation, Quantitative Economics, Rand Journal of Economics, Review of Economics and Statistics, Review of Economic Studies, Statistics and Probability Letters.

Seminar and Conference Organization:
Co-organizer, CeMMAP Seminar, Fall 2006 – Spring 2009.
Co-organizer, Conference on Inference in Partially Identified Models with Applications, March 2008, sponsored by Northwestern and CeMMAP.
Co-organizer, UCL Applied Economics Seminar, Fall 2008 – Spring 2010.
Co-organizer, Conference on Recent Developments in Nonparametric Instrumental Variables, June 2010, sponsored by CEMMAP.
Member of the Scientific Committee for the 21st EC^2 Conference on Identification in Econometrics, Theory and Applications, held in Toulouse in December 2010.
Organizer, Conference on New Developments in the Use of Random Sets in Economics, April 2012, sponsored by CeMMAP and UCL Economics.
Co-organizer, Second CIREQ-CeMMAP Conference on Incomplete Models, September 2012.
Organizer, Conference on Programme Evaluation: Theory and Practice, March 2013, sponsored by the Programme Evaluation for Policy Analysis (PEPA) ESRC node of the U.K. National Centre for Research Methods.
Co-organizer, Microdata Methods and Practice: A CeMMAP Celebration.
Program Committee Member, 2013 – 2015 Annual Conference of the Royal Economic Society.
Program Committee Member, 2014 European Economic Association annual meeting.

Program Committee Member, 2015 – 2018 International Association for Applied Econometrics Conference.
Program Committee Member, 2015 Econometric Society World Congress.
Program Committee Member, 2016 – 2017 European Meeting of the Econometric Society.
Co-organizer, 2017 – 2019, 2022/23 Triangle Econometrics Conference.

Departmental Service:

Personal Tutor for the Economics and Statistics Joint Program, UCL Economics, 2007 – 2010.
Economics Affiliate and Study Abroad Program Tutor, UCL Economics, 2010 – 2013.
Chair/Co-Chair of Junior Recruiting Committee, Duke Economics, 2017/18, 2018/19 & 2019/20.
Director of Graduate Studies, PhD Program, Duke Economics, 2021/22 – present.

PhD SUPERVISION: (followed by year completed & initial post after PhD)

Muyang Ren (Duke PhD student, committee member, in progress),
Xinyue Bei (Duke PhD student, primary advisor, in progress),
Scott Abrahams (Duke PhD student, committee member, Louisiana State University),
Ilia Kozis (Duke PhD student, committee member, Uber),
Jackson Bunting (Duke PhD student, committee member, 2021, Texas A&M),
Marleen Marra (UCL PhD student, committee member, 2019, Sciences Po),
Cristina Gualdani (UCL PhD, 1st advisor, 2017, Toulouse School of Economics),
Eleni Aristodemou (UCL PhD, 1st advisor, 2016, University of Amsterdam),
Cathy Balfe (UCL PhD, 2nd advisor, 2015, Bank of England).

AFFILIATIONS:

American Economic Association, Econometric Society.