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FRANCESCA MOLINARI

fm72@cornell.edu

https://molinari.economics.cornell.edu/

Department of Economics, Cornell University
458 Uris Hall, Ithaca, N.Y. 14853-7601

Phone: (607) 255-6367
Fax: (607) 255-2818

Family Status: Married, two children (born 2006, 2009)

Education:

1998-2003	Northwestern University, Ph.D. in Economics Dissertation: *Contaminated, Corrupted, and Missing Data* Committee Chairperson: Charles F. Manski
1997-1998	CORIPE Piemonte, Italy, MA in Economics
1993-1997	Università degli Studi di Torino, Italy, *Laurea in Economia*, Summa cum Laude

Academic Position:

H.T. Warshow and Robert Irving Warshow Professor of Economics and Professor of Statistics, Cornell University, 2017 – present.

Professor of Economics and Professor of Statistics, Cornell University, 2014 – 2016.

Associate Professor of Statistics, Cornell University, 2013.

Associate Professor of Economics (with tenure), Cornell University, 2009 –2013.

Assistant Professor of Economics, Cornell University, 2003 –2009.

Books

Random Sets in Econometrics, with Ilya Molchanov, forthcoming, **Econometric Society Monograph Series**, Cambridge University Press.

Published and Accepted Papers:

"Estimating Risk Preferences in the Field," with L. Barseghyan, T. O'Donoghue and Josh Teitelbaum, August 2016. Accepted at the *Journal of Economic Literature*.

"Inference under Stability of Risk Preferences," with L. Barseghyan and J. C. Teitelbaum, *Quantitative Economics*, vol. 7, pp. 367-409, July 2016.

"Applications of Random Set Theory in Econometrics," with I. Molchanov, *Annual Reviews of Economics*, vol. 6, pp. 229-251, August 2014.

"The Nature of Risk Preferences: Evidence from Insurance Choice," with L. Barseghyan, T. O'Donoghue and J. C. Teitelbaum, *American Economic Review*, vol. 103, n. 6, pp. 2499-2529, October 2013.

"Distinguishing Probability Weighting from Risk Misperceptions in Field Data," with Levon Barseghyan, Ted O'Donoghue and Joshua C. Teitelbaum, *American Economic Review Papers and Proceedings*, 2013, vol. 103, number 3, 580-585.

"Partial Identification Using Random Set Theory," with Arie Beresteanu and Ilya Molchanov, *Journal of Econometrics*, 2012, vol. 166, issue 1, pages 17-32. ERRATA

"Sharp Identification Regions in Models with Convex Moment Predictions," with Arie Beresteanu and Ilya Molchanov, *Econometrica*, 2011, vol. 79, issue 6, pages 1785-1821.

"Rounding Probabilistic Expectations in Surveys," with Charles F. Manski, *Journal of Business and Economic Statistics*, 2010, vol. 28, number 2, pages 219-231.

"Missing Treatments," *Journal of Business and Economic Statistics*, 2010, vol. 28, number 1, pages 82-95.

"Econometric Issues in the Presence of Multiple Equilibria," 2010, in the *New Palgrave Dictionary of Economics*.

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

"Asymptotic Properties for a Class of Partially Identified Models," with Arie Beresteanu, *Econometrica*, 2008, vol. 76, issue 4, pages 763-814.

"Partial Identification of Probability Distributions with Misclassified Data," *Journal of Econometrics*, 2008, vol. 144, issue 1, pages 81-117.

"Skip Sequencing: A Decision Problem in Questionnaire Design," with Charles F. Manski, *Annals of Applied Statistics*, 2008, vol. 2, number 1, pages 264-285.

"Spatial Correlation Robust Inference with Errors in Location or Distance," with Timothy G. Conley, *Journal of Econometrics*, 2007, vol. 104, issue 1, pages 76-96.

"Generalization of a Result on 'Regressions: Short and Long'," with Marcin Peski, *Econometric Theory*, 2006, vol. 22, issue 1, pages 159-163.

"Statistical Analysis of Choice Experiments and Surveys," with D. McFadden, A. Bemmaor, F. Caro, J. Dominitz, B. Jun, A. Lewbel, R. Matzkin, N. Schwarz, R. Willis and J. Winter, *Marketing Letters*, 2005, vol. 16, number 3/ 4, pages 183-196.

Working Papers:

"Confidence Intervals for Projections of Partially Identified Parameters," with Hiroaki Kaido and Joerg Stoye, October 2017, revised and resubmitted to ***Econometrica***.

"Calibrated Projection in MATLAB: Users' Manual," with Hiroaki Kaido, Joerg Stoye, and Matt Thirkettle. October 2017.

"Unlucky or risky: Unobserved Heterogeneity and Experience Rating in Insurance Markets," with L. Barseghyan, D. Steeg Morris and J. Teitelbaum, December 2016, revise and resubmit at the ***Journal of Risk and Insurance***.

“Estimation of best linear approximations to set identified functions,” with Arun G. Chandrasekhar, Victor Chernozhukov, and Paul Schrimpf, December 2012, CeMMAP Working Paper CWP 43/12.

Work in Progress:

“Econometrics with Partial Identification,” in preparation for the **Handbook of Econometrics**.

“Limited Consideration and Risk Preferences,” with L. Barseghyan, M. Coughlin and J. C. Teitelbaum.

“Tail and Center Rounding of Probabilistic Expectations in the Health and Retirement Study,” with Pamela Giustinelli and Charles F. Manski.

“Local Regression Smoothers with Set-Valued Outcome Data,” with Qiyu Li, Ilya Molchanov and Sida Peng.

“Identification and Inference in Discrete Choice Models with Limited Attention,” with Levon Barseghyan and Matthew Thirkettle.

“Estimating Risk Preferences under Moral Hazard,” with L. Barseghyan and J. C. Teitelbaum.

“Computational Methods for Partially Identified Models via Data Augmentation and Support Vector Machines,” with Haim Bar.

“Bracketing and Risk Preferences: Identification and Estimation in Field Data," with Levon Barseghyan, Ted O'Donoghue and Josh Teitelbaum.

Software:

Calibrated Projection in MATLAB, with Hiroaki Kaido, Joerg Stoye and Matt Thirkettle (available online).

Fortran code obtaining sharp identification regions in models with convex moment predictions, with Arie Beresteanu and Ilya Molchanov (available online).

Stata Software for Best Linear Prediction with Interval Outcome Data, with Arie Beresteanu and Darcy Steeg Morris (available online).

Grants:

ISS Small Grant: “Partial Identification and Statistical Decisions: A Conference” (in collaboration with Joerg Stoye), Spring 2011.

NSF SES-1031136: “An Empirical Investigation into the Nature of Risk Preferences” (PI: Levon Barseghyan, co-PIs: Francesca Molinari, Ted O'Donoghue, Joshua Teitelbaum), 09/01/2010-08/31/2013. Total amount awarded to Cornell: $322,550.

NSF SES-0922330: “Collaborative Research: Identification in Incomplete Econometric Models Using Random Set Theory” (in collaboration with Arie Beresteanu), 07/15/2009-06/30/2012. Total amount awarded to Cornell: $229,081.

NSF SES-0617482: "Collaborative Research: Asymptotic Properties for Partially Identified Models" (in collaboration with Arie Beresteanu), 07/01/2006-06/30/2009. Total amount awarded to Cornell: $174,548.

NIA R21 AG028465-01: "Respondents Tendencies for Nonresponse and Response Error" (PI: Charles F. Manski, co-PI: Francesca Molinari), 07/01/2006-06/30/2008. Total amount awarded to Cornell: $198,266.

Fellowships, Awards and Honors:

H.T. Warshow and Robert Irving Warshow Professor of Economics and Professor of Statistics, Cornell University, 2017.

CeMMAP International Fellow, 2014-present.

2009 Robert and Helen Appel Fellowship for Humanists and Social Scientists.

Merrill Scholars Program Outstanding Educator Citation, 2005, 2006.

2004 Zellner Thesis Award for Best Thesis in Business and Economic Statistics, American Statistical Association.

Northwestern University Graduate School Dissertation Year Fellowship, 2002-03.

Northwestern University Alumnae Foundation Dissertation Recognition Award, 2002.

Northwestern University Graduate Research Grant, 2002.

Graduate Fellow, Northwestern University, 1999-2002.

Graduate Fellow, Northwestern University Institute for Policy Research, 2000-2002.

The "Fondazione Luigi Einaudi" (Torino, Italy) Fellowship, 1999-2000.

Invited Lectures:

Penn Fund to Encourage Women (FEW) Undergraduate Lecture, November 2017, presenting "Identification in Econometrics".

Keynote speaker at the Annual Conferences of the International Association for Applied Econometrics, June 2016.

"Computation and Inference in Partially Identified Models," European Meetings of the Econometrics Society, Toulouse, 2014.

"Partial Identification Using Random Set Theory," Measurement Errors in Administrative Data Workshop at the Centre for European Economic Research (ZEW), Mannheim, 2010.

"Sharp Identification Regions in Games," Italian Congress of Econometrics and Applied Economics, Ancona, 2009.

Professional Service:

Foreign Editor: *Review of Economic Studies*, 2017—Present.

Board of Editors Member: *Journal of Economic Literature,* December 2015 – Present.

Associate Editor: *Quantitative Economics,* July 2013 – Present.

Associate Editor: *Econometrica*, July 2012 – Present.

Associate Editor: *Journal of Econometric Methods*, September 2010 - Present.

Associate Editor: *Journal of Econometrics*, May 2010 - Present.

Associate Editor: *Journal of Business and Economics Statistics*, September 2009 – Present.

Guest Editor (with Elie Tamer): *Annals of Econometrics* Issue on "Identification and Decisions."

Conference Organization:

> Program Committee Member, Econometric Society Winter Meetings 2018.
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> Program Committee Chair, International Association for Applied Econometrics Annual Conference, 2017.
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> Program Committee Member, International Association for Applied Econometrics Annual Conference, 2016, 2015.
>
> Program Committee Member, Econometric Society World Congress 2015.
>
> Program Committee Member, Econometric Society Summer Meetings 2012.
>
> Program Committee Member, Econometric Society Winter Meetings 2012.
>
> "Identification and Decisions" in honor of Charles F. Manski's 60th birthday, 2009, with Elie Tamer, co-sponsored by the Econometrics Center at Northwestern University and CeMMAP (London, UK).
>
> "Partial Identification and Statistical Decisions: A Conference," 2012, with Joerg Stoye, co-sponsored by Cornell Institute for Social Sciences, Cornell Center for Analytic Economics, the Institute for Advancement of Economics at Cornell, and Cornell's Economics Department.
>
> "Inference in Non-standard Problems," 2012, 2013, 2014, 2015, with Ulrich Mueller, co-sponsored by CEME/NSF and NBER.

Referee for:

> *Annals of Applied Statistics, Econometrica*, *Econometric Reviews*, *Econometric Theory*, *Econometrics Journal*, *Economic Journal*, *Economics Bulletin*, *International Journal of Approximate Reasoning*, *Journal of Applied Econometrics*, *Journal of Business and Economic Statistics*, *Journal of Econometrics, Journal of Econometric Methods, Journal of Human Resources, Journal of Labor Economics, Journal of Monetary Economics*, *Journal of Money, Credit and Banking, Journal of Political Economy*, *Journal of Statistical Planning and Inference*, *Journal of the American Statistical Association*, *Metron*, *Quantitative Economics, Review of Economics and Statistics*, *Review of Economic Studies, Statistical Methodology*, National Science Foundation, Economic and Social Research Council.

Courses Taught:

Graduate:

- Semi/Nonparametric Econometrics
- Third Year Research Seminar

Undergraduate:

- Introduction to Statistics and Probability
- Econometrics
- Applied Econometrics
- Cross Section and Panel Econometrics

University Service (selected)

University Committees:

- Co-Chair: Revenue Enhancement Task Force, 2013-2014.
- Committee for Reorganization of Economics at Cornell, 2010-2011.
- IAEC Ad Hoc Committee, 2010-2011

Departmental Committees at Cornell:

- Recruiting committee chair, 2017-18, 2012-13.
- Recruiting Committee Member, 2016, 2010, 2008.
- Department of Economics: Associate Chair
- Department of Economics: Placement Committee Chair, 2010-11.
- Placement Committee Member, 2003-2006, 2009.