

Jörg Stoye

Cornell University, Department of Economics

E-mail: stoye@cornell.edu

Web: <https://stoye.economics.cornell.edu/>

This CV: June 2021

Current Employment

Professor, Cornell University.

(January 2017-present. On leave, 2016-7 academic year.)

Member, Graduate Field of Economics and Graduate Minor Field of Data Science.

Previous Employment and Affiliations

Professor, Universität Bonn.

(August 2016-July 2018. Temporary 50% appointment, 2017-18 academic year.)

Affiliate, Hausdorff Center for Mathematics (August 2016-July 2018.)

Associate Professor, Cornell University (July 2010-December 2016).

Assistant Professor, New York University (September 2005-August 2010).

Visiting Research Fellow, Cowles Foundation, Yale University (January-May 2009).

Education

Ph.D.: Economics, Northwestern University, Evanston, IL, 2005.

M.A.: Economics, Northwestern University, Evanston, IL, 2001.

M.Sc.: Economics and Philosophy (with Distinction), LSE, London, UK, 2000.

Diplom-Volkswirt: Universität zu Köln, Cologne, Germany, 1999.

Research

Refereed Publications

J. Stoye: "Bounding Disease Prevalence by Bounding Selectivity and Accuracy of Tests: The Case of COVID-19," [arXiv:2008.06178](https://arxiv.org/abs/2008.06178), accepted for publication in the *Econometrics Journal*.

H. Kaido, F. Molinari, and J. Stoye: "Constraint Qualifications in Partial Identification," [arXiv:1908.09103](https://arxiv.org/abs/1908.09103), accepted for publication in *Econometric Theory*.

G. Orlov, D. McKee, J. Berry, A. Boyle, T. DiCiccio, T. Ransom, A. Rees-Jones, and J. Stoye: "Learning During the COVID-19 Pandemic: It is Not Who You Teach, But How You Teach,"

Economics Letters, 202, 109812, 2021. **Media coverage:** [Inside Higher Ed](#), [VoxEU](#), [IZA World of Labor](#), [Cornell Chronicle](#), [Education Next](#).

H. Kaido, F. Molinari, and J. Stoye: "Confidence Intervals for Projections of Partially Identified Parameters," *Econometrica* 87, 1397-1432, 2019.

J. Stoye: "Revealed Stochastic Preference: A One-Paragraph Proof and Generalization," *Economics Letters* 177, 66-68, 2019.

Y. Kitamura and J. Stoye: "Nonparametric Analysis of Random Utility Models," *Econometrica* 86, 1883-1909, 2018 (lead article).

S. Hoderlein and J. Stoye: "Testing Rationality and Predicting Demand: The Case of Two Goods," *Economic Theory Bulletin* 3, 313-328, 2015.

J. Stoye: "Choice Theory when Agents Can Randomize," *Journal of Economic Theory* 155, 131-151, 2015.

S. Hoderlein and J. Stoye: "Revealed Preferences in a Heterogeneous Population," *Review of Economics and Statistics* 96, 197-213, 2014 (lead article).

J. Stoye: "Minimax Regret Treatment Choice with Limited Validity of Experiments or with Covariates," *Journal of Econometrics* 166, 138-156, 2012.

J. Stoye: "Dominance and Admissibility without Priors," *Economics Letters* 116, 118-120, 2012.

J. Stoye: "Axioms for Minimax Regret Choice Correspondences," *Journal of Economic Theory* 146, 2226-2251, 2011.

J. Stoye: "Statistical Decisions under Ambiguity," *Theory and Decision* 70, 129-148, 2011 (lead article).

J. Stoye: "Partial Identification of Spread Parameters," *Quantitative Economics* 1, 323-357, 2010.

J. Stoye: "More on Confidence Intervals for Partially Identified Parameters," *Econometrica* 77, 1299-1315, 2009.

J. Stoye: "Minimax Regret Treatment Choice with Finite Samples," *Journal of Econometrics* 151, 70-81, 2009.

J. Stoye: "Partial Identification and Robust Treatment Choice: An Application to Young Offenders," *Journal of Statistical Theory and Practice* 3, 239-254, 2009. Reprinted in P. Coolen-Schrijner, F. Coolen, M. Troffaes, T. Augustin, S. Gupta (eds.), *Imprecision in Statistical Theory and Practice*. Grace Scientific, 2009.

J. Stoye: "Statistical Inference for Interval Identified Parameters," in T. Augustin, F. Coolen, S. Moral, and M. Troffaes (eds.), *Proceedings of the Sixth International Symposium on Imprecise Probability: Theories and Applications*, 2009. (Paper selected for special session in memory of Henry Kyburg.)

J. Stoye: "Minimax Regret Treatment Choice with Incomplete Data and Many Treatments," *Econometric Theory* 23, 190-199, 2007.

J. Stoye: "Bounds on Generalized Linear Predictors with Partially Identified Outcomes," *Reliable Computing* 13, 293-302, 2007.

J. Stoye: "Minimax Regret Treatment Choice with Finite Samples and Missing Outcome Data," in G. de Cooman, J. Veinárová, and M. Zaffalon (eds.), *Proceedings of the Fifth International Symposium on Imprecise Probability: Theories and Applications*, 2007.

J. Horowitz, C.F. Manski, M. Ponomareva, and J. Stoye: "Computation of Bounds on Population Parameters When the Data Are Incomplete," *Reliable Computing* 9, 419-440, 2003.

Non-Refereed Publications

J. Stoye: "A Critical Assessment of Some Recent Work on COVID-19," [arXiv:2005.10237](https://arxiv.org/abs/2005.10237), 2020. Permanent working paper. **This work was mentioned in >200 news items with total reach of >700 million, including an [interview with Spiegel Online](#) (in German).**

J. Stoye: "Partial Identification and Empirical Methods for the Law: Remarks Inspired by Helland and Yoon," *Journal of Institutional and Theoretical Economics* 174, 137-142, 2018.

J. Stoye: "New Perspectives on Statistical Decisions under Ambiguity," *Annual Review of Economics* 4, 257-282, 2012.

J. Stoye: "Charles F. Manski, Identification for Prediction and Decision" (an extended book review), *Journal of Applied Econometrics* 24, 857-862, 2009.

J. Stoye: "Minimax," in S.N. Durlauf and L.E. Blume (eds.), *The New Palgrave Dictionary of Economics*, 2009.

J. Stoye: "Minimax Regret," in S.N. Durlauf and L.E. Blume (eds.), *The New Palgrave Dictionary of Economics*, 2009.

Completed Papers

R. Deb, Y. Kitamura, J. Quah, and J. Stoye: "Revealed Price Preference: Theory and Stochastic Testing," CeMMAP working paper 57/18, [arXiv:1801.02702](https://arxiv.org/abs/1801.02702), 2018, 2nd revision requested by the *Review of Economic Studies*.

J. Stoye: "A Simple, Short, but Never-Empty Confidence Interval for Partially Identified Parameters," CeMMAP working paper 23/21, [arXiv:2010.10484](https://arxiv.org/abs/2010.10484), 2020, revision requested by the *Review of Economics and Statistics*.

Y. Kitamura and J. Stoye: "Nonparametric Counterfactuals in Random Utility Models," [arXiv:1902.08350](https://arxiv.org/abs/1902.08350), 2019.

H. Kaido, F. Molinari, J. Stoye, and M.K. Thirkettle: "Calibrated Projection in MATLAB: User's Manual," [arXiv:1710.09707](https://arxiv.org/abs/1710.09707), 2017.

Work in Progress

H. Kaido, F. Molinari, and J. Stoye: "Confidence Intervals for Optimal Values When Objective and Constraints Are Estimated."

H. Kaido, F. Molinari, and J. Stoye: "Simple Inference for Constrained Optima."

M. Dean, D. Ravindran and J. Stoye: "A Better Test of Choice Overload."

J. Stoye: "Partial Identification and Empirical Economics," solicited proposal submitted to the *Journal of Economic Literature*.

Teaching

Computational Statistics (=high dimensional models; Bonn, MSc elective), Summer 2018.

Topics in Econometrics and Statistics (Bonn, PhD elective), Winter 2017/18.

Econometrics 2 (Bonn, PhD core), Summer 2017.

Econometrics 1 (Bonn, PhD core), Winter, 2016/17, 2017/18.

Econometrics II (Cornell, Ph.D. core), Spring Semesters, 2011-2016, 2019-20.

Introduction to Econometrics (Cornell, B.A.), Spring Semesters, 2011-2014, 2019-20.

Introduction to Econometrics (NYU, Ph.D. core), Fall Semesters, 2005-2009.

Advanced Econometrics (NYU, Ph.D. elective), Spring Semesters, 2007-2008, 2010.

Intermediate Microeconomics (NYU, B.A.), Spring Semesters, 2006-2008, 2010.

Research Funding

NSF Grant SES-1824375 "Robust Inference and Computational Methods for Optimal Values of Nonlinear Programs," (\$176,956; co-PI with Francesca Molinari, in collaboration with Hiroaki Kaido), 2018-2021.

ERC Consolidator Grant "Partial-Ident," (€1,105,588), 2018-2023; declined.

NSF Grant SES-1260980 "Revealed Preference and Econometrics" (\$278,038), 2013-2016.

ISS Small Grant (\$6,000; with F. Molinari), Cornell University, 2011-2012.

University Research Challenge Grant (\$11,729), New York University, 2008-2009.

Fellowships, Honors, and Awards

Fellow, International Association for Applied Econometrics, 2020.

Fellow ("kooptiert"), Verein für Socialpolitik: Ausschuss für Ökonometrie, 2017.

Young Researcher Travel Grant, Econometric Society, 2005.

Dissertation Year Fellow, The Graduate School, Northwestern, 2004-2005.

Graduate Research Travel Grant, The Graduate School, Northwestern, 2004.

Robert Eisner Memorial Fellow, Department of Economics, Northwestern, 2003-2004.

Distinguished Teaching Assistant, Department of Economics, Northwestern, 2003.

Russell Sage Foundation Summer Institute in Behavioral Economics, Berkeley, 2002.

Studienstiftung des Deutschen Volkes (National Fellowship Foundation), 1993-1995.

Editorship

Associate Editor, *Review of Economics and Statistics*, 2014-2019.

Conferences Co-organized

- 2019: Cornell-Penn State Conference on Econometrics and IO.
- 2015: Cowles Foundation Summer Conference, Econometrics.
- 2012: Cornell Conference on Partial Identification and Statistical Decisions.

Program Committee Memberships

- 2021: ISIPTA '21 (Granada, Spain).
- 2019: ISIPTA '19 (Ghent, Belgium).
- 2017: ISIPTA '17 (Lugano, Switzerland).
- 2015: ISIPTA '15 (Pescara, Italy).
- 2013: ISIPTA '13 (Compiègne, France).
- 2012: Econometric Society North American Summer Meeting (Evanston).
- 2011: ISIPTA '11 (Innsbruck, Austria).
- 2009: ISIPTA '09 (Durham, UK).

Other Service to Profession

- 2018-: Moderator, arXiv econ.EM domain (2018-2020); member (2018-) and chair (2020-), arXiv economics Advisory Committee.

Conference Presentations

- 2021: IAAE (Rotterdam, virtual), Cowles Foundation Econometrics Summer Conference (New Haven, virtual; discussant), EEA/ESEM European Summer Meeting (Copenhagen, virtual), Southern Economic Association (Houston).
- 2020: Econometric Society World Congress (Milan, virtual), Workshop in Experiments, Revealed Preferences, and Decisions (Virginia Tech/Western, virtual), Econometric Society North American Winter Meeting (San Diego), SARP 2020 (St. Andrews; postponed), Southern Economic Association (New Orleans, virtual; invited discussant).
- 2019: Econometric Society North American Summer Meeting (Seattle), "Counterfactuals with Economic Restrictions" (Western), Cornell/Penn State Econometrics & IO Conference, EC² European Econometrics Conference "Identification in Macroeconomics" (Oxford).
- 2018: Greater NY Metropolitan Area Econometrics Colloquium (Princeton), Incomplete Models 2018 (Northwestern), Bristol Econometric Study Group, Verein für Socialpolitik Ausschuss für Ökonometrie (Schloss Rauischholzhausen), Cornell/Penn State Econometrics & IO Conference.
- 2017: Verein für Socialpolitik Ausschuss für Ökonometrie (Schloss Rauischholzhausen), JITE Conference on Empirical Law and Economics (Syracuse, Italy), European Economic Association Summer Meeting (Lisbon), Econometric Society European Summer Meeting (Lisbon).
- 2016: Econometric Society European Summer Meeting (Geneva), Boston College/IFS Conference on Heterogeneity in Supply and Demand (at Boston College).

- 2015: Econometric Society 11th World Congress (Montréal), Conference “Frontiers of Theoretical Econometrics” in Honor of Don Andrews’ 60th Birthday (Konstanz).
- 2014: CEME Conference on “Inference in Nonstandard Models” (Princeton), Econometric Society North American Summer Meeting (Minneapolis), Cornell/Penn State Econometrics & IO Conference.
- 2013: Cowles Foundation Econometrics Summer Conference (New Haven), Boston College/CeMMAP/IFS Conference on “Demand Estimation and Modelling” (Boston College), Econometric Society European Summer Meeting (Gothenburg), Verein für Socialpolitik (German Economic Association, Düsseldorf), Statistische Woche (German Statistical Society, Berlin).
- 2012: Econometric Society North American Winter Meeting (Chicago, invited presentation; also discussant), CEME Conference on “Inference in Nonstandard Models” (Princeton), Cornell Conference on Partial Identification and Statistical Decisions (discussant), German Economists Abroad Annual Meeting (Cologne), EC² European Econometrics Conference “Hypothesis Testing” (Maastricht), Greater New York Metropolitan Area Econometrics Colloquium (NYU).
- 2011: Econometric Society North American Summer Meeting (St. Louis), Econometric Society North American Winter Meeting (Denver; also discussant), CEAR Workshop: “Econometrics of Choice under Risk and over Time” (Denver; discussant), Verein für Socialpolitik (German Economic Association, Frankfurt), 4th Annual Conference on Extreme Events (Stavanger, 2 presentations), IFS Workshop: “Consumer Behavior and Welfare Analysis” (London).
- 2010: CIREQ Conference on Revealed Preference and Partial Identification (Montréal), CEAR Workshop: “Attitudes towards Risk, Uncertainty and Ambiguity: Theory, Experimental Design and Econometrics” (Atlanta; invited presentation), European Meeting of Statisticians (Piraeus; invited presentation), Statistische Woche (German Statistical Society, Nuremberg), German Economists Abroad Annual Meeting (Bad Homburg).
- 2009: Econometric Society European Summer Meeting (Barcelona), ISIPTA 09 (Durham, UK), CeMMAP Conference on Identification and Decisions (Evanston), Brown/CeMMAP Workshop on the Econometrics of Demand (Providence).
- 2008: CIREQ Conference on Inference with Incomplete Models (Montréal), German Economists Abroad Annual Meeting (Bonn), Southern Economic Association (Washington DC; discussant), Econometric Society European Summer Meeting (Milan), Cowles Foundation Econometrics Summer Conference (New Haven), CeMMAP Conference on Inference in Partially Identified Models (London).
- 2007: Econometric Society European Summer Meeting (Budapest), European Economic Association Summer Meeting (Budapest), Verein für Socialpolitik (German Economic Association, Munich), ISIPTA 07 (Prague), Public Economic Theory (Nashville), Econometric Society North American Summer Meeting (Durham, NC), Greater New York Metropolitan Area Econometrics Colloquium (at Penn).

- 2006: Econometric Society European Summer Meeting (Vienna), Econometric Society North American Summer Meeting (Minneapolis), Canadian Economics Association Annual Meeting (Montréal; also discussant).
- 2005: Econometric Society 9th World Congress (London), Verein für Socialpolitik (German Economic Association, Bonn), Greater New York Metropolitan Area Econometrics Colloquium (Columbia).
- 2004: Econometric Society European Summer Meeting (Madrid).

Seminar Presentations

- 2021: Chamberlain Seminar (Stanford, virtual; discussant), Johns Hopkins (virtual), Penn State.
- 2020: Bristol-Warwick (virtual).
- 2019: Columbia, Duke, Microsoft Research Group (Seattle), Virginia, Waterloo.
- 2018: Chicago, Cologne, Cornell, ECARES (Brussels), Kiel, Luxembourg, Rochester, Tinbergen Seminar (Amsterdam), Toulouse, Western U.
- 2017: Bonn, Cambridge, CREST (Paris), Mannheim, Royal Holloway, Tilburg, UCL, U Vienna.
- 2016: Duke, Toronto.
- 2015: Berkeley, Syracuse.
- 2014: Bonn, Cornell, Michigan, UPenn, Yale.
- 2013: Ohio State, Wisconsin-Madison.
- 2012: Mannheim, NYU, Tilburg, UCLA.
- 2011: Cornell Statistics, Northwestern.
- 2010: IZA, NYU Decision Theory Lunch, Texas-Austin.
- 2009: Arizona, Collegio Carlo Alberto, Duke, NYU, UCLA, UCSD, Virginia, Yale Statistics, Yale Econometrics Lunch.
- 2008: Cornell, NYU, Penn State.
- 2007: Bonn (Max Planck Institute), Brown, Cologne, European University Institute, Munich Statistics, Nuffield College, UPenn, Queen's, UCL, Vanderbilt, Yale.
- 2006: Cornell, Harvard/MIT, NYU, Pittsburgh, Princeton.
- 2005: Caltech, Chicago, Columbia, Mannheim (2), NYU, Wisconsin-Madison.
- 2004: Northwestern.

Refereeing

Papers and Books

American Economic Journal: Microeconomics, American Economic Review, American Economic Review: Insights, Annals of Statistics, Computational Statistics and Data Analysis, Econometrica, Econometric Theory, Economic Journal, Economic Theory, Economics Letters, Empirical Economics, EURO Journal on Decision Processes, International Economic Review, International Journal of Approximate Reasoning, Journal of the American Statistical Association, Journal of Applied Econometrics, Journal of Business and Economic Statistics, Journal of Econometrics, Journal of Economic Literature, Journal of Economic Theory, Journal of Environmental Economics and Management, Journal of Human Resources, Journal of Political

Economy, Journal of Statistical Planning and Inference, MIT Press, Mathematical Programming, Oxford Bulletin of Economics and Statistics, Quantitative Economics, Reliable Computing, Review of Economic Studies, Review of Economics and Statistics, Springer Lecture Notes in Statistics, Theoretical Economics.

Grants

European Research Council, National Institute of Health, National Science Foundation (ad hoc reviewer and panelist), Dutch Science Foundation, Fonds de la Recherche Scientifique (Belgium), FWF – Austrian Science Fund, Social Sciences and Humanities Research Council of Canada, Swiss National Science Foundation.

Advising

Ph.D. Thesis Committee Chair

Jau-er Chen (NYU 2011, initial placement: National Taiwan U.).

Ph.D. Thesis Committee Member

Qinshu Xue (Cornell),

Abhishek Ananth (Cornell 2021, initial placement : Postdoc at U Geneva, then Emory U.),

Dilip Ravindran (Columbia 2021, initial placement: Postdoc at Humboldt U.; external examiner)

Matthew Thirkettle (Cornell 2020, initial placement: Rice U.),

Xingtong Zhang (Cornell 2020, initial placement: Renmin U. School of Finance),

Jun Sung Kim (Cornell 2014, initial placement: Monash U.),

Zhuo Zhong (Cornell 2014, initial placement: U. of Melbourne Dept. of Finance),

Kemal Ozbek (Cornell 2013, initial placement: U. of St. Andrews),

Paolo Morganti (NYU 2010, initial placement: ITAM School of Business),

Peng Wang (NYU 2009, initial placement: Hong Kong U. of Science and Technology),

Wei Liao (NYU 2009, initial placement: Hong Kong Monetary Authority),

Pritha Dev (NYU 2008, initial placement: ITAM School of Business),

Bei Zhang (NYU 2008, initial placements: Blackrock, Shanghai U. of Economics and Finance),

Luis Hall (NYU 2007, initial placement: U. Alicante).

B.A. Honors Theses Advised

Michael Shen (Cornell 2014),

Michael Eichenberger (NYU 2009, initial placement: New York Fed),

Wei Lao Yin (NYU 2007),

Gaoyan (Jenny) Tang (NYU 2006, initial placement: Boston Fed, then Ph.D. Harvard).

Other Departmental Service

At Cornell:

2020-21: Advisory Council: Center for Data Science for Enterprise and Society, Economics Department Committee on Diversity and Inclusion.

2019-20: Junior recruitment (chair), Advisory Council: Center for Data Science for Enterprise and Society.

2018-19: Junior recruitment (chair), Econometrics workshop.

- 2014-16: Director of Graduate Studies, Econometrics workshop.
- 2013-14: Junior recruitment (chair).
- 2012-13: Recruitment, Econometrics Q exam (chair).
- 2011-12: Advisory committee: Institute for the Advancement of Economics at Cornell.
- 2010-11: Joint appointments (for merged department).

At Bonn:

- 2016-17: Master's admissions.

At NYU:

- 2009-10: Econometrics workshop, Ad hoc committee regarding undergraduate econometric training, Ad hoc subcommittee regarding a new undergraduate econometrics course (chair).
- 2008-09: Econometrics workshop.
- 2007-08: Junior recruitment, Econometrics workshop.
- 2006-07: Graduate admissions, Ad hoc committee regarding AUP.
- 2005-06: Graduate admissions.

Affiliations

American Economic Association, Econometric Society, European Economic Association, SIPTA, Verein für Socialpolitik.