

Fredrik Sävje

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Current Position & Affiliations

Assistant Professor, Department of Political Science, Yale University.

Assistant Professor by courtesy, Department of Statistics and Data Science, Yale University.

Resident Fellow, Institution for Social and Policy Studies, Yale University.

Affiliated Researcher, Uppsala Center for Labor Studies, Uppsala University.

Past Positions

2015–2017 Post-doctoral Fellow, Departments of Political Science & Statistics, UC Berkeley.

Education

- 2015 Ph.D., Economics, Uppsala University.
- 2013–2014 Visiting Student Researcher, UC Berkeley.
- 2013 Ph.Lic., Economics, Uppsala University.
- 2010 B.Sc., Political Science, Uppsala University.

Publications

Improving massive experiments with threshold blocking,
with Michael Higgins and Jasjeet Sekhon.
Proceedings of the National Academy of Sciences, 2016, 113(27):7369–7376.

Working Papers

Average treatment effects in the presence of unknown interference,
with Peter Aronow and Michael Hudgens.

Generalized Full Matching,
with Michael Higgins and Jasjeet Sekhon.

The performance and efficiency of threshold blocking.

Defining and Identifying Incumbency Effects.

Fetal Iodine Deficiency and Schooling,
with Niklas Bengtsson and Stefan Swartling Peterson.

Software

distances: R package with tools for distance metrics.

`quickmatch`: Quick Generalized Full Matching in R.

`quickblock`: Quick Threshold Blocking in R.

`scclust`: C library for size-constrained clustering.

Works in Progress

Improving convenience samples through shared questions,
with Jonathon Baron, Molly Offer-Westort, Jun Won Park and Peter Aronow.

On the power of regression discontinuity designs,
with Peter Aronow, William Hunt and Drew Stommes.

Are most experiments under-powered?,
with Gareth Nellis.

Purposeful case selection without bias,
with Consuelo Amat Matus and Peter Aronow.

On the use of principal stratification to identify incumbency effects,
with Dylan O'Connell.

The get out of jail card: The effect of political office holding on court rulings,
with Sebastian Axibard.

Blocking estimators and inference under the Neyman-Rubin model,
with Michael Higgins and Jasjeet Sekhon.

A two-factor approximation algorithm for paired threshold blocking.

Semi-blocking: Cross block dependence to improve inference.

Assumption-free permutation tests for the existence of unit fixed-effect.

Intuitive construction of distance matrices and metrics.

Hypothesis testing with the Synthetic Control Method,
with Michihito Ando.

Awards

2018 The Gosnell Prize for Excellence in Political Methodology,
with Peter Aronow and Michael Hudgens.

Grants & Fellowships

Swedish International Development Cooperation Agency, 2013–2015, SEK 2,595,000,
with Niklas Bengtsson, Eva Mörk (PI) and Jonas Poulsen.

The Jan Wallander and Tom Hedelius foundation, 2013–2014, SEK 321,000.

NSF Conference Grant, PolMeth Summer Meeting, 2015.

UK Causal Inference Meeting, 2015, conference grant.

The Siamon foundation, 2013, conference grant.

Presentations

Invited presentations

- 2018 Joint Statistical Meetings, Vancouver.
 12th Yamakawa Kenjiro Lecture, University of Tokyo.
 European Causal Inference Meeting, University of Florence.
 Department of Political Science, NYU.
 Department of Political Science, MIT.
- 2016 Columbia Business School, Columbia University.
- 2015 Department of Political Science, Yale University.
 Department of Statistics, Uppsala University.
 Institute for International Economic Studies, Stockholm University.
- 2013 Department of Statistics, Umeå School of Business and Economics.

Contributed presentations

- 2018 APSA Annual Meeting, Boston, scheduled.
- 2017 Society for Political Methodology, University of Wisconsin-Madison.
 Atlantic Causal Inference Conference, University of North Carolina.
 Midwest Political Science Association, Chicago.
- 2016 Midwest Political Science Association, Chicago.
- 2015 Society for Political Methodology, University of Rochester.
 UK Causal Inference Meeting, University of Bristol.
- 2013 7th Nordic Econometric Meeting, Norwegian School of Economics.

Teaching

Yale University

- 2018–2019 Data Science for Politics and Policy, Undergraduate level.
- 2019 Foundations of Statistical Inference, Graduate level.
- 2017–2018 Advanced Quantitative Methods, Graduate level.
- 2018 The Application of Quantitative Methods, Graduate level.

Uppsala University

- 2011–2012 Teaching Assistant, Micro Theory I, Graduate level.
- 2011–2012 Teaching Assistant, Introductory Micro- and Macroeconomics, Undergraduate level.
- 2011 Teaching Assistant, Micro Theory with Applications, Undergraduate level.

Students

Committee Member

Current Molly Offer-Westort, Political Science, Yale.

Service

Yale University

Organizer, MacMillan-CSAP Workshop on Quantitative Research Methods, 2018–2019.

Member, Social Science–Data Science Search Committee, 2018.

Disciplinary Service

Reviewer, American Statistical Association Biometrics Section Travel Awards, 2018.

Reviewer

The American Statistician; Annals of Applied Statistics; Journal of the American Statistical Association (2); Journal of Causal Inference; Journal of Economic Behavior & Organization; Political Analysis (2); Statistics & Probability Letters.

Last updated August 24, 2018.