

# Fredrik Sävje

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## Current Position & Affiliations

Assistant Professor, Department of Political 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

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

- Average treatment effects under unknown interference,  
with Peter Aronow and Michael Hudgens.
- The get out of jail card: The effect of political office holding on court rulings,  
with Sebastian Axbar.
- 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 (software).
- Hypothesis testing with the Synthetic Control Method,  
with Michihito Ando.

## Grants, Fellowships & Awards

- 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

- 2017 Society for Political Methodology, University of Wisconsin-Madison, scheduled.  
Atlantic Causal Inference Conference, University of North Carolina.  
Midwest Political Science Association, Chicago.
- 2016 Columbia Business School, Columbia University.  
Sekhon Research Group, UC Berkeley.  
Midwest Political Science Association, Chicago.
- 2015 Department of Political Science, Yale University.  
Society for Political Methodology, University of Rochester.  
Department of Statistics, Uppsala University.  
Institute for International Economic Studies, Stockholm University.  
UK Causal Inference Meeting, University of Bristol.
- 2014 Department of Economics, Uppsala University.  
Quantitative Methodology in the Social Sciences Seminar, UC Berkeley.
- 2013 7th Nordic Econometric Meeting, Norwegian School of Economics.

Department of Statistics, Umeå School of Business and Economics.

Uppsala Center for Labor Studies, Uppsala University.

2012 Department of Economics, Uppsala University.

## **Teaching Experience**

### **Uppsala University**

2011–2012 Teaching Assistant, Micro Theory I, PhD level.

2011–2012 Teaching Assistant, Introductory Micro- and Macroeconomics, Basic level.

2011 Teaching Assistant, Micro Theory with Applications, Intermediate level.

## **Professional & University Service**

Reviewer for Journal of Causal Inference; Journal of Economic Behavior & Organization; Journal of the American Statistical Association.

Member of the board, PhD Council for Social Sciences, 2011–2012.

Co-founder and treasurer, Pareto: Uppsala Economic Association, 2010–2011.

President, Uppsala Political Science Students, 2010.

Last updated July 3, 2017.