

# Thomas Parker

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## Education

Ph.D., Economics, University of Illinois at Urbana-Champaign, 2011  
M.A., Economics, University of British Columbia, 2004  
B.S., Economics, University of Illinois at Urbana-Champaign, 2003  
B.A., Music, University of Illinois at Urbana-Champaign, 2003

## Academic Positions

Assistant Professor, University of Waterloo (tenure-track), 2014 — present  
Assistant Professor, University of Waterloo (definite-term), 2012 — 2014  
Visiting Assistant Professor, University of Iowa, 2011 — 2012

## Publications

Asymptotic Inference for the Constrained Quantile Regression Process, forthcoming in *Journal of Econometrics*.

Finite Sample Distributions of the Wald, Likelihood Ratio and Lagrange Multiplier Test Statistics in the Classical Linear Model, *Communications in Statistics — Theory and Methods* 46 (2017), 5195-5202.

Semiparametric Efficiency for Partially Linear Single-Index Regression Models (with Tao Chen), *Journal of Multivariate Analysis* 130 (2014), 376-386.

A Comparison of Alternative Approaches to Supremum-Norm Goodness of Fit Tests with Estimated Parameters, *Econometric Theory* 29 (2013), 969-1008.

## Working Papers

Uniform Bounds for the Distribution and Quantile Functions of Treatment Effects in Randomized Experiments, with Antonio Galvao

Welfare-Based Ordering of Treatments, with Sergio Firpo, Antonio Galvao, Martyna Kobus and Pedro Rosa-Dias

Asymptotic Uniform Inference for Stochastic Dominance

Endogeneity in Panel Fixed Effects Quantile Regression Models: A Control Function Approach, with Antonio Galvao, Alexandre Poirier and Suyong Song

## Research Awards

Social Sciences and Humanities Research Council of Canada (SSHRC). “Uniform Inference Using Simple Gaussian Field Asymptotics,” Insight Development Grant, June 2016 — May 2018

## Recent Conference/Seminar Presentations

Canadian Economics Association annual conference, May/June 2019, Banff  
New York Camp Econometrics XIV, April 2019, Clayton  
Midwest Econometrics Group, October 2018, Madison  
Canadian Econometrics Study Group, October 2018, Ottawa  
BIRS workshop “Shape-Constrained Methods: Inference, Applications, and Practice”, February 2018, Banff  
Canadian Economics Association annual conference, May/June 2017, Antigonish  
CFE-CMStatistics, December 2016, Seville  
Midwest Econometrics Group, October 2016, Champaign

## **Refereeing**

*The American Statistician; Communications in Statistics — Theory and Methods; Econometrics; Journal of Applied Statistics; Journal of the American Statistical Association; Journal of Business and Economic Statistics; Journal of Econometrics; Journal of Inequalities and their Applications; Risks; Statistics Papers*

## **Teaching**

### **University of Waterloo**

Econometrics II (graduate), Winter 2019  
Applied Macroeconometrics (graduate), Winter 2018, Winter 2019  
Statistics for Economists (undergraduate), Fall 2012, Winter 2013, Fall 2013, Winter 2014, Winter 2017, Winter 2018, Fall 2018  
Econometrics I (graduate), Fall 2015, Fall 2016  
Mathematics for Graduate Students in Economics, Fall 2014, Fall 2015, Fall 2016  
Topics in Econometrics (undergraduate), Winter 2015  
Applied Microeconometrics (graduate), Fall 2012, Fall 2013, Fall 2014  
Introduction to Mathematical Economics (undergraduate), Winter 2014

### **University of Iowa**

Applied Econometrics (graduate), Spring 2012  
Econometrics (graduate), Fall 2011  
Statistics for Strategy Problems (undergraduate), Spring 2012, Fall 2011

### **University of Illinois**

Economic Statistics II (undergraduate), Summer 2007

## **PhD Student Supervision**

Andrés Arcila-Vasquez (ongoing), committee member  
Renfang Tian, (ongoing), committee member  
Mohamad Ghaziaskar, PhD 2017, co-chair

## **Service**

Department performance review committee (2016-18)  
Graduate committee (2014-19)  
Co-organizer, Annual Meeting of the Canadian Econometrics Study Group, October 2013