

## Academic Experience

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|--|----------------|
| The University of Chicago<br>Booth School of Business, Econometrics and Statistics<br>Postdoctoral Scholar<br>Interests: <i>causal inference, randomizations, networks, machine learning, applications of statistics</i> | 2018 - present |
| The University of Texas at Austin<br>McCombs School of Business, Statistics Group<br>Graduate Research Assistant   | 2013 - 2018    |
| Wesleyan University<br>Mathematics and Physics Departments<br>Teaching Assistant   | 2009 - 2011    |
| The University of California, Los Angeles<br>Institute for Pure and Applied Math<br>Researcher   | Summer 2010    |
| Max Planck Institute, Göttingen, Germany<br>Dynamics and Self-organization<br>Researcher   | Summer 2009    |

## Education

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|---|------|
| <b>The University of Texas at Austin</b><br>McCombs School of Business, Statistics Group<br>Ph.D., Statistics<br>Topics: <i>causal inference, Bayesian modeling, applications of statistics</i> | 2018 |
| <b>The University of Texas at Austin</b><br>McCombs School of Business, Statistics Group<br>M.S., Statistics  | 2015 |
| <b>Wesleyan University</b><br>Honors in Mathematics, Phi Beta Kappa<br>B.A., Mathematics and Physics  | 2011 |

## Publications

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|---|
| <i>Fisher meets BART: Integrating Causal Machine Learning and Randomization Tests</i><br>David Puelz and Panos Toulis<br>In preparation (2020)  |
| <i>Estimating Displacement Effects of a Hot Spot Policing Intervention in Medellín, Colombia</i><br>Guillaume Basse, Avi Feller, Donald Green, David Puelz, and Panos Toulis<br>In preparation (2020) |

*A Symmetric Prior for Multinomial Probit Models*  
Lane Burgette, David Puelz, and P. Richard Hahn  
Submitted (2020)  
[\[arXiv:1912.10334\]](#)

*Monotonic Effects of Characteristics on Returns*  
Jared Fisher, David Puelz, and Carlos Carvalho  
Revision (2020)  
[\[SSRN:3212934\]](#)

*A Graph-Theoretic Approach to Randomization Tests of Causal Effects Under General Interference*  
David Puelz, Panos Toulis, Guillaume Basse, and Avi Feller  
Submitted (2019)  
[\[arXiv:1910.10862\]](#)

*Financial Literacy and Economic Outcomes*  
David Puelz and Robert Puelz  
Submitted (2019)  
[\[SSRN:3302978\]](#)

*Portfolio Selection for Individual Passive Investing*  
David Puelz, P. Richard Hahn, and Carlos Carvalho  
Applied Stochastic Models in Business and Industry (2019)  
[\[SSRN:2995484\]](#)

*Regularization and Confounding in Linear Regression for Treatment Effect Estimation*  
P. Richard Hahn, Carlos Carvalho, David Puelz, and Jingyu He  
Bayesian Analysis 13 (2018). No 1  
[\[link to journal\]](#)

*Variable Selection in Seemingly Unrelated Regressions with Random Predictors*  
David Puelz, P. Richard Hahn, and Carlos M. Carvalho  
Bayesian Analysis 12 (2017). No 4  
[\[link to journal\]](#)

*Optimal ETF Selection for Passive Investing*  
David Puelz, P. Richard Hahn, and Carlos Carvalho  
Working paper  
[\[arXiv:1510.03385\]](#)

## Presentations

A Graph-Theoretic Approach to Randomization Tests of Causal Effects Under General Interference  
Design and Analysis of Experiments — University of Tennessee, Knoxville  
Knoxville, TN — October 2019

A Graph-Theoretic Approach to Randomization Tests of Causal Effects Under General Interference  
Advances with Field Experiments — University of Chicago  
Chicago, IL — September 2019

A Graph-Theoretic Approach to Randomization Tests of Causal Effects Under General Interference (Poster)  
\*Best Poster prize winner  
Society for Political Methodology Annual Meeting — MIT  
Cambridge, MA — July 2019

Monotonic Effects of Characteristics on Returns  
Eastern Asia ISBA Conference — Kobe University  
Kobe, JP — July 2019

A Graph-Theoretic Approach to Randomization Tests of Causal Effects Under General Interference  
Economics Workshop — Keio University  
Tokyo, JP — July 2019

Monotonic Effects of Characteristics on Returns  
Seminar on Bayesian Inference in Econometrics and Statistics — Brown University  
Providence, RI — May 2019

Randomization Tests of Causal Effects Under General Interference  
Atlantic Causal Inference Conference — McGill University  
Montreal, CA — May 2019

Randomization Tests of Causal Effects Under General Interference  
international conference on design of experiments — University of Memphis  
Memphis, TN — May 2019

Randomization Tests of Causal Effects Under General Interference  
Chicago Booth Econometrics and Statistics Seminar  
Chicago, IL — February 2019

Monotonic Effects of Characteristics on Returns  
Chicago Booth Research Workshop  
Chicago, IL — December 2018

Utility-based Feature Selection for Econometrics  
International Society for Bayesian Analysis World Meeting  
Edinburgh, UK — June 2018

Posterior Summarization  
University of Notre Dame Mendoza School of Business  
South Bend, IN — November 2017

Utility-based Feature Selection for Finance and Econometrics  
IROM PhD Seminar. University of Texas.  
Austin, TX — November 2017

Regret-based Selection  
Informs Annual Meeting  
Houston, TX — October 2017

Sparse Dynamic Portfolio Selection  
Joint Statistical Meetings  
Baltimore, MD — August 2017

Sparse Dynamic Portfolio Selection  
Informs Advances in Decision Analysis  
Austin, TX — June 2017

Regret-based Selection  
Seminar on Bayesian Inference in Econometrics and Statistics — Washington University  
St. Louis, MO — May 2017

Penalized Utility Estimators in Finance  
IROM Department Symposium. University of Texas  
Austin, TX — February 2017

Posterior Summarization in Finance  
IROM PhD Seminar. University of Texas  
Austin, TX — November 2016

Sparse Mean-Variance Portfolios  
Joint Statistical Meetings  
Chicago, IL — August 2016

Penalized Utility Estimators in Finance  
International Society for Bayesian Analysis World Meeting  
Sardinia, Italy — June 2016

Penalized Utility Estimators in Finance  
Seminar on Bayesian Inference in Econometrics and Statistics — University of Pennsylvania  
Philadelphia, PA — April 2016

Sparse ETF Investing  
IROM PhD Seminar. University of Texas  
Austin, TX — March 2016

Penalized Utility Estimators in Finance  
Goldman Sachs & Co  
New York City, NY — February 2016

The ETF Tangency Portfolio  
Seminar on Bayesian Inference in Econometrics and Statistics — Washington University  
St. Louis, MO — May 2015

## Honors

Graduate Continuing Fellowship  
University of Texas Graduate School — 2017 - 2018

Professional Development Award  
University of Texas McCombs School of Business — 2015 - 2016

Dean's Fellowship  
University of Texas McCombs School of Business — 2013 - 2018

Bonham Fellowship  
University of Texas McCombs School of Business — 2014

Jastrow Fellowship  
University of Texas McCombs School of Business — 2013

Rae Shortt Prize (excellence in mathematics)  
Wesleyan University — 2010

Robertson Prize (outstanding sophomore in mathematics)  
Wesleyan University — 2009

## Service

Referee For: Annals of Applied Statistics, Journal of Business and Economic Statistics, Neural Computing and Applications.

## Employment

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|----------------------------------|----------------|
| i-360, LLC                       | 2018 - present |
| Data Science Team                |                |
| Part-time Econometric Consulting |                |
| Goldman Sachs & Co.              | 2011 - 2012    |
| Investment Management Division   |                |
| Analyst                          |                |

(updated March 4, 2020)