

Experience

The University of Texas at Austin McCombs School of Business and Salem Center for Policy Assistant Professor (clinical) and Director of Policy Analytics	2021 - present
The University of Chicago Booth School of Business, Econometrics and Statistics Principal Researcher Interests: <i>causal inference, randomizations, networks, machine learning, applications of statistics</i>	2018 - 2021
The University of Texas at Austin McCombs School of Business Graduate Research Assistant	2013 - 2018

Education

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

Publications

- A Graph-Theoretic Approach to Randomization Tests of Causal Effects Under General Interference*
David Puelz, Panos Toulis, Guillaume Basse, and Avi Feller
Journal of the Royal Statistical Society, Series B (2022)
[\[link to journal\]](#)
- Financial Literacy and Perceived Economic Outcomes*
David Puelz and Robert Puelz
Statistics and Public Policy (2022)
[\[link to journal\]](#)
- Financial Literacy and Financial Well-being*
Myeongrok Doh, Robert Puelz, and David Puelz
In preparation (2022)
- A Symmetric Prior for Multinomial Probit Models*
Lane Burgette, David Puelz, and P. Richard Hahn
Bayesian Analysis (2021)
[\[link to journal\]](#)

Fisher meets BART: Integrating Causal Machine Learning and Randomization Tests

David Puelz, Junggho Lee, and Panos Toulis

In preparation (2021)

BicliqueRT: A Software Package for Causal Testing and Experimental Design Under Interference

Shunzhuang Huang, Panos Toulis, and David Puelz

In preparation, [\[link to github\]](#) (2021)

Monotonic Effects of Characteristics on Returns

Jared Fisher, David Puelz, and Carlos Carvalho

Annals of Applied Statistics (2020)

[\[link to journal\]](#)

Portfolio Selection for Individual Passive Investing

David Puelz, P. Richard Hahn, and Carlos Carvalho

Applied Stochastic Models in Business and Industry (2019)

[\[link to journal\]](#)

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

[\[arXiv:1510.03385\]](#)

Teaching

Data Science for Economics and Policy 2023

UT undergraduate

Introduction to Machine Learning 2023

UT McCombs Masters of Science in Business Analytics, Working Professionals

Introduction to Machine Learning 2021, 2022

UT McCombs Masters of Science in Business Analytics

Machine Learning in Finance 2022

UT McCombs PhD

[\[link to course website\]](#)

Policy Research Laboratory 2021, 2022

UT undergraduate

[\[link to course website\]](#)

Presentations

Causal Effect Testing under Interference

University of Texas at Austin — Salem Center for Policy Causal Inference Seminar
Austin, TX — May 2022

A Graph-Theoretic Approach to Randomization Tests of Causal Effects Under General Interference
Society for Political Methodology Annual Meeting — NYU

Virtual — July 2021

Is Machine Learning Useful for Modeling the Cross-Section of Returns?

Statistical Methods in Finance Conference

Virtual — June 2021

Randomization Tests of Causal Effects Under General Interference

International Indian Statistical Association Annual Meeting

Virtual — May 2021

Randomization Tests of Causal Effects Under General Interference

Arizona State University

Virtual — November 2020

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

PolMeth Faculty Poster Award
Society for Political Methodology Annual Conference — 2019

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: Journal of the American Statistical Association, Annals of Applied Statistics, Journal of Business and Economic Statistics, Neural Computing and Applications, Canadian Journal of Statistics, Econometrics and Statistics, Journal of Statistical Theory and Practice.

Chicago Booth Research Staff Advisory Group, 2020 - 2021.

Employment

i-360, LLC 2018 - present
Data Science Team
Part-time Econometric Consulting

Goldman Sachs & Co. 2011 - 2012
Investment Management Division
Analyst

(updated October 2022)