

JOHN P. RYAN

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EDUCATION

University of Wisconsin

PhD, Economics

Public Finance, Macroeconomics, Econometrics

Fall 2022 - Present

Passed prelims 2023

University of South Carolina

BS in Economics, Mathematics, and Statistics

South Carolina Honors College, Summa Cum Laude, ΦBK

Fall 2018 - Spring 2022

GPA: 4.0

PUBLICATIONS

“**Debias Random Forest Regression Predictors**”, with Lihua Chen and Prabhashi Withana Gamage. *Journal of Statistical Research*, 2022, Vol. 56, No. 2, pp. 115-131.

PROJECTS

Inferring Preferences of Candidates from Tax Policy Proposals

Senior Thesis project with advisor Professor Jason DeBacker at UofSC

Creating software for analyzing social welfare weights with tax data

Summer 2021 - present

Bias Mitigation for Machine Learning Estimators

Funded by National Science Foundation with Research Experiences for Undergraduates

James Madison University with mentors Professors Lihua Chen and Prabhashi Gamage

Presenting author at Math Fest Conference 2021

Summer 2021

Mathematical Foundations of Data Science, Optimal Transport

Funded by National Science Foundation with Research Experiences for Undergraduates at University of South Carolina

Summer 2022

ACTIVITIES

Institute for Research on Poverty Graduate Research Fellow

Participate in substantive policy and research discussions, methodological and professional training for research in poverty

2023-2024

UW Economics Computation Camp

Training and practice in economic computational methods in Julia

Summer 2023

President, Gamecock Economic Society

Organized meetings with various speakers including professors and U.S. congressman

Led weekly discussions for 20 members as President of organization

Fall 2019 - Spring 2022

City of Charleston Mayoral Fellows

Studied FEMA buyout program in the Stormwater Management Department

Explored solutions to social issues and local governance under Mayor John Tecklenburg

Summer 2019

Undergraduate Research Assistant, UofSC
Awarded South Carolina Honors College Explore Grant

Spring 2020 - Spring 2021

TEACHING

ECON 301 *Fall 2023*
Teaching Assistant - Dr. Fran Flanagan

ECON 101 *Fall 2022*
Teaching Assistant - Dr. Greg Pac

SKILLS

Analysis

Machine Learning, Statistics, Econometrics, Monte Carlo Simulation, Numerical Analysis, Dynamic Programming

Programming

Python (advanced), Julia (advanced), R (advanced), Stata (proficient), Matlab (proficient), Git/GitHub (proficient), Excel (proficient)

AWARDS AND SCHOLARSHIPS

Department of Economics Fellowship, University of Wisconsin *Spring 2023*

Outstanding Undergraduate Student in Mathematics, UofSC *2022*

Presidents Award, UofSC *2022*

Outstanding Senior, UofSC *2022*

Pi Mu Epsilon *Fall 2020 - Present*

Phi Beta Kappa *Spring 2021 - Present*

James Bruce Coleman Mathematics Scholarship, UofSC *2021*