

JOHN P. RYAN

Email: john.p.ryan@wisc.edu · **Phone:** (+1) 843-302-6000

Website: john-p-ryan.github.io · **GitHub:** john-p-ryan

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 Prabhathi Withana Gamage. Journal of Statistical Research, 2022, Vol. 56, No. 2, pp. 115-131.

PROJECTS

Inferring the Preferences of Presidential Candidates from Their Tax Policy Proposals

Summer 2021 - present

Senior Thesis project with advisor Professor Jason DeBacker at UofSC

Creating software for analyzing social welfare weights with tax data

Bias Mitigation for Machine Learning Estimators

Summer 2021

Funded by National Science Foundation with Research Experiences for Undergraduates

James Madison University with mentors Professors Lihua Chen and Prabhathi Gamage

Presenting author at Math Fest Conference 2021

Mathematical Foundations of Data Science, Optimal Transport

Summer 2022

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

ACTIVITIES

Teaching Assistant, ECON 101

Fall 2022

Taught discussions for 96 students, graded papers and wrote exam questions for Dr. Gregory Pac

President, Gamecock Economic Society

Fall 2019 - Spring 2022

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

Led weekly discussions for 20 members as President of organization

City of Charleston Mayoral Fellows

Summer 2019

Studied FEMA buyout program in the Stormwater Management Department

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

Undergraduate Research Assistant, UofSC

Spring 2020 - Spring 2021

Awarded South Carolina Honors College Explore Grant

SKILLS

Analysis

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

Programming

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

AWARDS AND SCHOLARSHIPS

Department of Economics Fellowship , University of Wisconsin	<i>Spring 2023</i>
Outstanding Undergraduate Student in Mathematics , UofSC	<i>2022</i>
Presidents Award , UofSC	<i>2022</i>
Outstanding Senior , UofSC	<i>2022</i>
Pi Mu Epsilon	<i>Fall 2020 - Present</i>
Phi Beta Kappa	<i>Spring 2021 - Present</i>
James Bruce Coleman Mathematics Scholarship , UofSC	<i>2021</i>