

Brian P. John

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EDUCATION

Doctor of Philosophy in Economics

Purdue University, West Lafayette, Indiana

August 2025 - Current

Presidential Doctoral Fellowship Recipient

Master of Science in Economics

Purdue University, West Lafayette, Indiana

August 2022 – May 2025

- Concentration: Advanced Theory
- Relevant Coursework: PhD-level courses in Real Analysis, Experimental Economics, Urban and Labor Economics I, and Urban and Labor Economics II
- Graduated with Krannert Scholar Honors

Bachelor of Science in Economics and Numerical Analysis

The University of Alabama in Huntsville, Huntsville, Alabama

August 2014 – December 2019

- Minor in Industrial Systems Engineering
- Honors: UAH Scholar Student: December 2019, May 2019, December 2018, May 2018

TEACHING EXPERIENCE

Teaching Assistant for ECON 251 Microeconomics

Purdue University, West Lafayette, Indiana

Spring 2026

- Attended lectures and held office hours to help students with homework and exam preparation.
- Hosted review sessions for the midterm and final exams.
- Proctored midterm and final exams.

Teaching Assistant for ECON 585 Experimental Economics

Purdue University, West Lafayette, Indiana

Spring 2025, Spring 2026

- Graded weekly lab reports and exams.
- Held weekly office hours to assist students with questions and writing lab reports.

Teaching Assistant for ECON 210 Principles of Economics

Purdue University, West Lafayette, Indiana

Fall 2025

- Led a weekly recitation section introducing non-business majors to core microeconomic and macroeconomic concepts.
- Proctored exams.

Teaching Assistant for ECON 385 Labor Economics

Purdue University, West Lafayette, Indiana

Fall 2025

- Graded discussions, homework, and exams.

RESEARCH AND WORK EXPERIENCE

Economic Litigation Analyst

EconOne Research, Los Angeles, California

July 2022 – July 2025

- Worked on high-stakes litigation involving contract disputes, antitrust, loss of earnings, lifecare costs, and intellectual property infringements.
- Developed rigorous economic analyses across sectors including; manufacturing, pharmaceuticals, food and beverage, and securities.
- Crafted economic models to inform case strategies and supported expert witnesses in data-driven testimony.
- Performed data analysis using simple and complex statistical and econometric methods.
- Conducted valuations of business values, lost profits, lost earnings, medical care costs, and economic impacts.
- Aided in writing, editing, and polishing academic-style expert reports that explained the experts' opinions to the court before testimony.
- Helped PhD-level experts translate complex models and findings into accessible insights and helped them prepare to communicate technical economic arguments to diverse audiences.
- Assisted in developing and teaching an R training program for the company to assist in training new hires and interested analysts in the R programming language and RStudio universe.
- Programmed customized data cleaning scripts to process large, non-standardized, complex data with up to hundreds of millions of observations, using R, SQL, STATA, and SAS, ensuring data accuracy and consistency for robust statistical analyses.
- Produced graphics in R and Excel for use as trial demonstratives to aid senior economists testifying at trial.

Pricing and Revenue Management Economist

Spirit Airlines, Miramar, Florida

February 2020 – December 2021

- Applied economic and data analysis to optimize pricing and load factors for a rolling schedule of over 600 daily flights.
- Analyzed and helped the airline respond strategically to the economic impacts of Covid-19.

RESEARCH

- “Roll the Boeings: Corporate Risk Aversion, an Expected Payoff Model”, Work in Progress, Presented at the American Economic Association Annual Meeting, January 2025.
 - This study analyzes Boeing’s business decisions, particularly around developing the 737 Max 8, to assess corporate risk behavior through an expected payoff model. Using public data and cash flow models, it examines whether Boeing’s choices were rational and payoff-maximizing. Findings will reveal whether Boeing’s approach was risk-averse or risk-seeking in pursuit of high payoffs despite potential downsides.
- “Non-Price Impacts on Procurement Auctions: An Experimental Study”, Purdue Experimental Economics Work in Progress, December 2024
 - Designed an experiment to examine how non-price factors, such as the probability of completing a job, impact bidding and selection behavior in procurement auctions.
 - Wrote an academic research paper outlining the background, theory, experiment, and experimental instructions and procedures to study these effects.
- “Oh Shoot: A Monte Carlo Simulation Model-Based Analysis of How Biathlon Emphasizes the Importance of Skiing Over Shooting”, UAH Working Paper, May 2019
 - Investigated the impact of skiing speed and shooting accuracy on performance in world-class biathlon competitions using real-world data and data produced by a Monte Carlo simulation of the sport of biathlon that I programmed.
 - Produced a final senior research paper and presented it to the Agent-Based Computational Analysis class.
- “How the Influx of Oil Money into Norway’s Economy Has Affected Health Outcomes Compared to Sweden”, UAH Working Paper, April 2019, with David Bond
 - Investigated the impact of Norway’s oil money and its economic effects on health outcomes compared to its neighbor Sweden using public data and differences-in-differences analysis.
 - Presented findings at UAH to the Econometrics class

PRESENTATIONS

- “Roll the Boeings: Corporate Risk Aversion, an Expected Payoff Model”, Presented at the American Economic Association Annual Meeting, January 2025.

SKILLS

- Technical skills: STATA, R, MATLAB, SAS
- Research methods: experimental design, econometric analysis, data visualization, Monte Carlo simulations

PROFESSIONAL AFFILIATIONS

- American Economic Association (AEA), 2018 - Current