Austin R. Craig

craiga1@uw.edu | Seattle, WA | (+1) 425-281-7574
austinrobertcraig.github.io | linkedin.com/in/austinrobertcraig

Education

PhD: Economics **Sep 2021 - Present**
University of Washington Seattle, WA

- Fields of Specialization: Applied Microeconomics/Development, Advanced Microeconomics.
- Expected Graduation: June 2026.

MA: Economics **Sep 2021 - Dec 2023**
University of Washington Seattle, WA

- Relevant Coursework: Econometrics I, II, and III. Applied Microeconometrics.

BS: Economics, Computer Science **Aug 2017 - May 2021**
Davidson College Davidson, NC

- Relevant Coursework: Machine Learning, Recommender Systems Research.

Experience

Lead Teaching Assistant **University of Washington** **Sep 2024 - Present**

- Supervise a team of 10-20 teaching assistants per quarter, facilitating weekly team meetings to maintain consistent and high-quality instruction for all students.
- Develop and lead four exam review sessions each quarter for hundreds of students in introductory microeconomics and macroeconomics classes.
- Manage team grading and return scores to the instructor on schedule.

Research Assistant **University of Washington** **Sep 2022 - Jul 2024**
Department of Economics

- Designed and implemented a randomized controlled trial (RCT) to assess the effect of new class content in introductory microeconomics.
- Prepared for potential spillover effects by randomly saturating 25%, 50%, and 75% of each quiz section.
- Analyzed the effect of the intervention on student outcomes, focusing on class engagement, exam scores, and future enrollment in economics classes.
- Automated the production of tables and graphs for use in research presentations and papers.

Center for Health Innovation and Policy Science

- Combined Medicaid claims and enrollment data to identify tobacco users, the utilization of cessation services, and associated comorbidities.
- Prepared for data analysis by establishing clear inclusion criteria and creating a comprehensive tobacco use measure through the integration of diagnosis, procedure, and drug codes.
- Found that claims data and self-reported tobacco use data both undercount tobacco users when used alone, but used together provide a robust monitoring tool.
- Developed data outputs to effectively communicate key findings to stakeholders in support of an ASTHO report and a forthcoming publication.

Data Science Intern **Mather Economics** **Jun 2020 - Aug 2020**

- Developed data visualizations in Tableau to provide client news organizations with regular feedback on key digital performance indicators.
- Improved data management by writing a Python script to deliver email notifications of critical pipeline metrics to the engineering team at regular intervals.
- Performed industry research to identify potential future clients.

Skills

Programming Languages: R, Python, STATA
Tools and Frameworks: Git, scikit-learn, tidyverse, LaTeX, Excel

Research

Adaptation or Compensation? The Effect of Noise Insulation Projects on Student Outcomes

- Studying the effect of noise insulation projects on students affected by airport noise pollution.
- Use the staggered rollout of noise insulation to identify causal treatment effects.
- Apply recent developments in the difference-in-differences literature (Callaway & Sant'Anna 2021).