










# Austin R. Craig

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## Skills

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

## Experience

**Research Assistant**

**University of Washington**

**Sep 2022 - Present**

*School of Public Health*

- Joined the team mid-project to fill an unexpected data science need, delivering results on a short timeline.
- Matched school records across two data sets using a string-based fuzzy matching algorithm.
- Evaluated data completeness and authored documentation of the matching process for internal reference.

### *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.

**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.

**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.

## Education

**PhD: Economics**

University of Washington

**Sep 2021 - Present**  
Seattle, WA

- Specialization: Applied microeconomics and causal inference.

**MA: Economics**

University of Washington

**Sep 2021 - Dec 2023**  
Seattle, WA

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

**BS: Economics, Computer Science**

Davidson College

**Aug 2017 - May 2021**  
Davidson, NC

- Relevant Coursework: Machine Learning, Recommender Systems Research.

## Publications

P1 **Enhanced Identification of Tobacco Use Among Adult Medicaid Members**  
Sabbatini AK, Craig A, Kern E, et al.  
*Morbidity and Mortality Weekly Report (MMWR)*, 2025