

Cody Melcher

Contact

cmelcher@math.arizona.edu
520.429.3762

Address

4025 E. Palomar Dr.
Tucson, AZ, 85711

EDUCATION

University of Arizona May 2025 (expected)
PhD Statistics & Data Science

University of Arizona December 2019
M.S. in Economics

Reed College May 2014
B.A. in Economics

TEACHING EXPERIENCE

Graduate Teaching Assistant, University of Arizona August 2022 - Present
Tucson, AZ

- Worked as a graduate teaching assistant for MATH 112 (College Algebra). Assisted with two sections of MATH 112 (College Algebra) which included creating and grading homework, leading class solo on occasion, holding office hours, and working on curriculum with the instructor.

RESEARCH AND WORK EXPERIENCE

University of Arizona, Graduate Student Keith Meyers August 2017 - June 2018
Research Assistant Tucson, AZ

- Read through historical documents related to 20th century U.S. agricultural programs and payments to farmers. Created large panel datasets of relevant data at the state/regional level on a year-to-year basis for U.S. states.

University of Arizona, Dr. Cihan Artunc September 2016 - April 2017
Research Assistant Tucson, AZ

- Examined business creation and dissolution data in Egypt in the early 20th century. Created a new dataset that detailed several thousand businesses and their related partners and managers.

University of Arizona, Dr. Price V. Fishback August 2015 - August 2016
Research Assistant Tucson, AZ

- Assisted Professor Fishback in creating new datasets related to U.S. state-level expenditures and revenue from the late 1920s to the early 1940s.

Puppet Labs May 2015 - August 2015
Service Operations Analyst Intern Portland, OR

- Worked primarily with the Customer Success team on a variety of data-centric projects related to improving Puppet Labs' understanding of their customers. Identified new customers and collected information via phone calls on their initial experience with Puppet Labs enterprise software. Collaborated with the Business Operations team to collect, analyze, and summarize traits of lost sales opportunities.

LANGUAGES AND SKILLS

Programming: R, STATA, SAS, and LaTeX.

COURSEWORK

Statistics: Theory of Probability, Theory of Statistics, Advanced Statistical Regression Analysis, Design of Experiments, Statistical Consulting, Statistical Machine Learning, and Theoretical Statistics I.

Mathematics: Real Analysis (Single and Multivariable), Linear Algebra (computational and proof-based), Applied Stochastic Processes, Ordinary Differential Equations and Stability Theory, Introduction to Abstract Algebra.

Economics: Graduate Microeconomics (I and II), Graduate Game Theory, Graduate Econometrics, Market Design, and Experimental Economics.