

Elizabeth Molly Maloney

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EDUCATION

PhD, Economics - **University of California, Irvine** | Expected, June 2022

MA, Economics - **University of California, Irvine** | Dec 2017

BA, Economics and Computer Science - **Pacific Lutheran University** | May 2016

BS, Mathematics with a Minor in Statistics - **Pacific Lutheran University** | May 2016

RESEARCH

Publications

- Maloney, Katherine N., Ryan T. Botts, Taylor S. Davis, Bethany K. Okada, Elizabeth M. Maloney, Christopher A. Leber, Oscar Alvarado et al. "Cryptic Species Account for the Seemingly Idiosyncratic Secondary Metabolism of Sarcophyton glaucum Specimens Collected in Palau." *Journal of Natural Products* 83, no. 3 (2020): 693-705.

Working Papers

- "The Gender Wage Gap: A Product of Misogyny and Gender Norms." 2020.
- "The Effect of Sales Tax Complexity on Consumer Prices." 2018.

PROGRAMMING AND DEVELOPMENT SKILLS

Python • R • Stata • Excel • LaTeX • SQL

EXPERIENCE

Economic Consulting | *Working with David Neumark*

August 2019-Present | Irvine, CA

- Performed data analysis in preparation of expert testimony on nine legal discrimination cases and communicated complex statistical results to attorneys involved.
- Cleaned and processed large and complex propriety data sets.
- Constructed visuals used to cleanly communicate results to a broad audience.
- Scraped detailed experience and education information from a popular networking site.
- Used machine learning and natural language processing algorithms to clean and categorize non-uniform job titles based on their linguistic similarity.

Course Instructor | *University of California - Irvine, Economics Department*

Summer 2020 | Irvine, CA

- Designed and taught online course in introductory probability and statistics (second in two part intro series)

Teaching Assistant | *University of California - Irvine, Economics Department*

Sep 2016-Present | Irvine, CA

- Probability and Statistics I (Summer 2017, Summer 2018)
- Applied Econometrics I (Fall 2019)
- Applied Econometrics II (Summer 2017, Fall 2018, Fall 2019, Summer 2019)
- Quantitative Economics III (Spring 2019, Spring 2020, Spring 2021)
- Research Computing (Winter 2017)
- International Political Economy (Fall 2016)
- Urban Economics (Winter 2018, Winter 2019, Winter 2020)
- Transportation Economics (Spring 2017, Spring 2018)

Summer Institute for Training in Biostatistics | *University of Pittsburgh*

June 2015-July 2015 | Pittsburgh, PA

- One of 20 participants selected from more than 200 applicants for NIH funded program
- Worked under Dr. Eleanor Feingold to model smoking behavior using linear and logistic regression on dental hygiene data taken from survey of rural Appalachia

Research Assistant | *Pierce County Economic Development Council*

June 2014-Dec 2014 | Tacoma, WA

- Worked under Dr. Martin Wurm to investigate causes of persistently high unemployment in Pierce County using census data to model unemployment status
- Constructed age-indexed unemployment rate to compare labor force strength independent of age demographics

Research and Assessment Intern | *Pacific Lutheran University, Residential Life*

Sep 2015-June 2016 | Tacoma, WA

- Analyze institutional data to assess student programs and to identify factors related to student success as well as predictors of at-risk students
- Use R and Shiny to create web applications for data visualization of quantitative and qualitative data

Research Intern | *Washington State Department of Revenue*

June 2014-Sep 2014 | Olympia, WA

- Updated tax analysis models and conducted analysis of proposed tax changes for the Washington State Tax Exemption Study
- Composed report on Research and Development tax incentives in Texas and eight other states for comparison with Washington's policies

CONFERENCES

- Australian Gender Economics Workshop, February 2021 | *Presentation*
- American Economic Association, January 2019 | *Break Out Session*
- American Chemical Society, April 2017 | *Poster Presentation*
- Pacific NW Regional Economics Conference, 2013 | *Federal Open Market Committee Symposium*

FELLOWSHIPS

Fall 2020	Associate Dean Fellowship
Summer 2020	Summer Research Fellowship
Summer 2019	Summer Research Fellowship