

LAUREN CAPPIELLO

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EDUCATION

Ph.D., Applied Statistics

University of California, Riverside

Dissertation advisors: Zhiwei Zhang and Xinping Cui

B.S., Statistics, summa cum laude

University of California, Riverside

Thesis advisor: James Flegal

TEACHING

California State University, Sacramento

Assistant Professor

August 2020 – ongoing

- Introduction to Statistics (STAT 1)
- Calculus I for the Social and Life Sciences (MATH 26A)

University of California, Riverside

Instructor on Record

September 2017 – December 2019

- Introduction to Statistics I (STAT 100A)
- Introduction to Statistics II (STAT 100B)
 - Redesigned course based on new textbook and piloted use of R in course labs.

SELECTED PROFESSIONAL DEVELOPMENT

California State University, Sacramento

Faculty Learning Community: Designing for Student Success, Building Inclusive Practices by Interrogating Power and Privilege.

August 2020 - May 2021

- Reading, writing, and discussion on power and privilege with an emphasis on inclusive classroom practices.

Teach ON!-Line Summer Camp

August 2020

- Three week course on effective online teaching and course development.
- Completed additional badges “Wellness in the Classroom” and “Library Resources”.

HONORS AND AWARDS

Outstanding Statistical Consultation Award and Recognition

University of California, Riverside Statistics Department

June 2018

FELLOWSHIPS AND GRANTS

Chancellor's Distinguished Fellowship

University of California, Riverside

September 2016

PUBLICATIONS

Cappiello L, Zhang Z, Shen C, Butala N, Cui X, & Yeh R. "Adjusting for Population Differences Using Machine Learning Methods". *In review*.

Cappiello L. (2020). "Adjusting for Population Differences Using Applied Machine Learning Methods". (Doctoral dissertation, UC Riverside)

Cappiello L. (2016) "A Novel Estimation Technique for a Five-Parameter Bivariate Beta Distribution". (Honors capstone project, UC Riverside)

CONFERENCES AND TALKS

Cappiello L, Zhang Z, & Cui X. (2020). "Applied Machine Learning Methods in Adjusting for Population Differences". Invited talk at the Orange County Biostatistics Symposium in Irvine, California.

Cappiello L & Flegal J (2016). "A Novel Estimation Technique for a Five-Parameter Bivariate Beta Distribution". Poster presented at the International Biometric Society Eastern North American Region Meeting in Austin, Texas.

ACADEMIC CONSULTING

University of California, Riverside

Lead Consultant, Graduate Quantitative Methods Center

July 2018 – June 2019

- Provided statistical and computational consultations to graduate students and postdoctoral researchers from across campus.
- Supervised and managed a team of part time consultants.
- Workshops, seminars, and instructional labs given:
 - Introduction to Statistical Inference, Introduction to ANOVA, Introduction to Programming, Introduction to Multilevel Modeling, Introduction to SAS, Introduction to R, Intermediate Topics in R, Overview of Causal Inference, Improving Research Credibility, Writing Articles in LaTeX, The UCR LaTeX Dissertation Template, Experimental Design

ONLINE PUBLICATIONS

Untitled. (Accepted September 2019) Union of Concerned Scientists blog.

"Learning to Love Statistics" (2018) University of California, Riverside Graduate Student Resource Center blog.

UNIVERSITY SERVICE

California State University, Sacramento

Committees, Department of Mathematics & Statistics

- Curriculum Committee
- Calculus Committee

Miscellaneous

- Professional Science Masters Development Group

University of California, Riverside

President, Statistics Graduate Student Association

April 2019 – July 2020

- Created a graduate student seminar.
- Set up a variety of social events to foster a stronger sense of community.
- Administered and reported on an annual graduate student climate survey.

Graduate Student Ambassador, Statistics Department

October 2019 – June 2020

- Created recruitment materials for Statistics graduate programs.

President, Mu Sigma Rho

September 2018 – June 2020

Secretary, Mu Sigma Rho

September 2018 – June 2020

COMMUNITY OUTREACH

500 Women Scientists

Resource - Request a Woman Scientist

May 2018 – ongoing

- Mentored a high school student project in biostatistics through ATHENA by Women in STEM. This student used Python to scrape Twitter data and examine public health outcomes related to attitudes toward face masks.
- I am available for outreach events, talks, and mentoring.

Union of Concerned Scientists

Science Network Program Mentee

February 2019 – September 2019

- Competitive yearly program that pairs early career scientists with more established scientist mentors.
- Worked on community science education strategies in the area of data literacy.

Inland Empire for Science

Lead Organizer

January 2017 – April 2017

- Spearheaded and managed the organization of the March for Science in Riverside, CA.
- Coordinated an approximately 2000 person public event designed to emphasize the importance of science in the community.
- Raised \$1200 for donation to the National Center for Science Education.