

# LAUREN CAPPIELLO

California State University, Sacramento  
6000 J Street, Sacramento, CA 95819

cappiello@csus.edu  
lgpcappiello.github.io

## 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 (*symposium was moved online due to COVID-19*).

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.