

LAUREN CAPPIELLO

(520)·260·8039 ◇ lauren.cappiello@email.ucr.edu

linkedin.com/in/lauren-cappiello/

EDUCATION

Ph.D., Applied Statistics

June 2020 (*expected*)

University of California, Riverside

Thesis: *Applied Machine Learning Methods in Evidence Synthesis*

M.S., Statistics

June 2018

University of California, Riverside

B.S., Statistics | *summa cum laude*

June 2016

University of California, Riverside

Honors thesis: *A Novel Estimation Technique for a Five-Parameter Bivariate Beta Distribution*

EXPERIENCE

Graduate Quantitative Methods Center at UC Riverside

Riverside, CA

Lead Consultant

July 2018 – June 2019

- Provide statistical and computational consultations to graduate students and postdoctoral researchers from across campus. Support includes research assistance and more general tutoring.
- Develop and present workshops, instructional labs, and departmental seminars on statistics and statistical computing.
- Supervise and manage a team of part time consultants (as Lead Consultant only).
- Assist with administrative tasks such as hiring, annual reports, and website management.

Consultation types offered:

- Basic Statistics
- Advanced Statistics
- Nonparametric Methods
- Mathematics
- Mathematical Statistics and Probability Theory
- Experimental Design
- Data Mining
- Machine Learning
- LaTeX
- SAS
- R

Workshops, instructional labs, and departmental seminars 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

Department of Statistics at UC Riverside*Adjunct Instructor*

Riverside, CA

July 2019 – August 2019

- Introduction to Statistics (Su19)

*Graduate Student Researcher**July 2018 – September 2018*

- Helped build fully online versions of introductory statistics courses.
- Planned and filmed video lectures using Learning Glass technology.

*Graduate Teaching Assistant**September 2017 – present*

- Introduction to Statistical Computing (F17, Su19)
- Statistical Computer Packages (Su19)
- Nonparametric Techniques (W18)
- Introduction to Quality Improvements (S18)
- Introduction to Statistics (W18, S18)

Oregon State University College of Pharmacy

Corvallis, OR

*Undergraduate Research Assistant**April 2013 – August 2013*

- Supported a PhD student in Dr. Taifo Mahmud's lab.
- Grew and synthesized bacteria.
- Tested pharmacological effects of bacteria.

FELLOWSHIPS AND GRANTS

Chancellor's Distinguished Fellowship*University of California, Riverside**September 2016*

The highest level of fellowship awarded to incoming UCR PhD students. For the Statistics Department, this is a one-year fellowship that includes tuition, fees, and stipend worth ~ \$50,000.

Undergraduate Research and Creative Activity Mini-Grant*University of California, Riverside**January 2016*

These grants provide funding for undergraduate students to participate in faculty-mentored research and to fund student travel to present their research at conferences. This \$500 mini-grant was applied to travel and conference fees for the Eastern North American Region (ENAR) International Biometric Society 2016 conference in Austin, Texas.

AWARDS

Outstanding Statistical Consultation Award and Recognition*University of California, Riverside Statistics Department**June 2018*

The "OSCAR" is awarded to select graduate students in the UCR Statistics Department who demonstrate "achievement and service to the UCR Statistical Consulting Collaboratory".

Academic Excellence Award*University of California, Riverside Statistics Department**June 2016*

Each year, one graduating student in each major is chosen by their department to receive this award based on excellence in academics and research.

Honors Program Scholarship*University of California, Riverside**2015*

These scholarships are awarded to students with "strong academic performance and engagement in University Honors", exemplifying UCR Honor's three pillars of excellence: creativity and innovation, culture of contribution, and diversity and global citizenship.

Chancellor's Transfer Scholarship

University of California, Riverside

2014

These scholarships are merit-based awards for incoming transfer students with exceptional academic records.

Andy Aitkenhead Memorial Scholarship

US Bank

2013

This scholarship is awarded to high-achieving Oregon residents pursuing undergraduate degrees in science, mathematics, or engineering.

CONFERENCES AND TALKS

Cappiello, L. and 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 Spring 2016 Meeting in Austin, Texas.

ORGANIZATIONS

Mu Sigma Rho

University of California, Riverside

April 2015 – Present

Riverside, CA

- President | September 2018 – Present
- Secretary | June 2017 – August 2018

National statistics honors society. As president of the University of California, Riverside chapter, I work closely with MSR's faculty advisor to manage club business.

Statistics Graduate Student Association

University of California, Riverside

April 2019 – Present

Riverside, CA

- President | April 2019 – Present

The Statistics GSA was reestablished in April 2019 to better serve the needs of graduate students in the UCR Statistics Department. The Statistics GSA is focused on increasing social interaction within the department, both among graduate students and between students, faculty, and staff. As president, I've overseen a graduate student climate survey and helped to establish a graduate student presence at departmental faculty meetings.

Highlander Statistics Society

University of California, Riverside

January 2015 – June 2016

Riverside, CA

UC, Riverside's student organization for those interested in statistics.

SERVICE

Science Network Program Mentee

Union of Concerned Scientists

Remote

February 2019 – Present

- Competitive yearly program that pairs early career scientists with more established scientist mentors
- Participating in a series of science advocacy trainings
- Working with Dr. Brian Shmaefsky or Lone Star College on a project to bring important scientific issues to the public in a way that is both informative and accessible

Resource - Request a Woman Scientist

500 Women Scientists

May 2018 – Present

I am passionate about encouraging young women's enthusiasm for STEM, especially in math-based fields. As a resource, I would be especially interested in opportunities to speak to children or young adults about why math is important and fun.

Founder and Lead

Inland Empire for Science

Riverside, CA

January 2017 – Present

- Spearheaded and managed the organization of the March for Science, Riverside
- 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
- Run corresponding social media sites to facilitate and monitor discussion and connect people with relevant activities and advocacy groups

Science Ambassador

University of California, Riverside

Riverside, CA

October 2014 – June 2016

- Acted as a liaison between the College of Natural and Agricultural Sciences and the greater community
- Presented to incoming students and their parents
- Worked with prospective students and their parents at university recruitment events