

# LAUREN CAPPIELLO

(520) 260-8039  
lauren.cappiello@email.ucr.edu  
lgpcappiello.github.io

900 University Ave  
1417 Olmsted Hall  
Riverside, CA 92521

## EDUCATION

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

## HONORS AND AWARDS

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

## FELLOWSHIPS AND GRANTS

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

## CONFERENCES AND TALKS

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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.

## TEACHING EXPERIENCE

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**University of California, Riverside** September 2017 – ongoing  
**Instructor on Record**

- Introduction to Statistics I (Summer 2019)
- Introduction to Statistics II (Fall 2019)

### Online Course Development

- Helped build fully online versions of introductory statistics courses.
- Revamped existing course structure to suit an online learning environment.
- Planned and filmed video lectures using Learning Glass technology.

### Teaching Assistant

- Introduction to Statistical Computing (Fall 2017, Summer 2019)

- Statistical Computer Packages (Summer 2019)
- Nonparametric Techniques (Winter 2018)
- Introduction to Quality Improvements (Spring 2018)
- Introduction to Statistics (Winter 2018, Spring 2018)

## OTHER RELEVANT EXPERIENCE

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### Lead Consultant

July 2018 – June 2019

Graduate Quantitative Methods Center at UC Riverside

Riverside, CA

- Provided statistical and computational consultations to graduate students and postdoctoral researchers from across campus.
- Developed and presented workshops and departmental seminars on statistics and statistical computing.
- Piloted the instructional labs program.
- Supervised and managed a team of part time consultants.

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 and instructional labs:

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

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*Untitled.* (Expected publication February 2020) Union of Concerned Scientists blog.

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

## UNIVERSITY SERVICE

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### Graduate Student Ambassador

October 2019 – ongoing

College of Natural and Agricultural Sciences

Riverside, CA

### President, Statistics Graduate Student Association

April 2019 – ongoing

University of California, Riverside

Riverside, CA

- Created a graduate student seminar to give graduate students the opportunity to showcase their work.
- Created a departmental newsletter.
- Connected with our undergraduates to help them better prepare for DataFest competitions.
- Set up a variety of social events to foster a stronger sense of community.
- Administered and reported on a graduate student climate survey.

**President, Mu Sigma Rho**  
University of California, Riverside

September 2018 – ongoing  
Riverside, CA

**Secretary, Mu Sigma Rho**  
University of California, Riverside

June 2017 – August 2018  
Riverside, CA

## COMMUNITY OUTREACH

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**Science Network Program Mentee**  
Union of Concerned Scientists

February 2019 – September 2019  
Remote

- 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.

**Resource - Request a Woman Scientist**  
500 Women Scientists

May 2018 – ongoing

**Lead Organizer**  
Inland Empire for Science

January 2017 – April 2017  
Riverside, CA

- 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

## REFERENCES

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### **Zhiwei Zhang**

Mathematical Statistician, National Cancer Institute  
(240) 276-6787  
zhiwei.zhang@ucr.edu

9609 Medical Center Dr.  
Biometric Research Program/DCTD/NCI  
Bethesda, MD 20892

### **James Flegal**

Associate Professor, UC Riverside Department of Statistics  
(951) 827-2247  
james.flegal@ucr.edu

900 University Ave.  
1428 Olmsted Hall  
Riverside, CA 92521

### **Yelda Serin**

Graduate Quantitative Methods Center Coordinator  
(951) 827-4291  
yelda.serin@ucr.edu

900 University Ave.  
1425 Life Sciences  
Riverside, CA 92521

### **Linda Penas**

Lecturer and TA Supervisor, UC Riverside Department of Statistics  
(951) 827-3668  
linda.penas@ucr.edu

900 University Ave.  
1345 Olmsted Hall  
Riverside, CA 92521