LAUREN CAPPIELLO

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EDUCATION

Ph.D., Applied Statistics   June 2020 (expected)

University of California, Riverside

Thesis: *Applied Machine Learning Methods in Adjusting for Population Differences*

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

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

L Cappiello, Z Zhang, C Shen, & X Cui. "Adjusting for Population Differences Using Machine Learning Methods". *In preparation.*

CONFERENCES AND TALKS

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

TEACHING

University of California, Riverside   September 2017 – December 2019

Instructor on Record

· Introduction to Statistics I

· Introduction to Statistics II

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
· Statistical Computer Packages
· Nonparametric Techniques
· Introduction to Quality Improvements
· Introduction to Statistics

CONSULTING

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

UNIVERSITY SERVICE

Graduate Student Ambassador, Department of Statistics   October 2019 – ongoing
University of California, Riverside   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.
· 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   September 2018 – ongoing
University of California, Riverside   Riverside, CA

Secretary, Mu Sigma Rho   June 2017 – August 2018
University of California, Riverside   Riverside, CA

COMMUNITY OUTREACH

Science Network Program Mentee   February 2019 – September 2019
Union of Concerned Scientists   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   May 2018 – ongoing
500 Women Scientists

Lead Organizer   January 2017 – April 2017
Inland Empire for Science   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

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.

REFERENCES

Zhiwei Zhang
Mathematical Statistician, National Cancer Institute   9609 Medical Center Dr.
(240) 276-6787   Biometric Research Program/DCTD/NCI
zhiwei.zhang@ucr.edu   Bethesda, MD 20892

James Flegal
Associate Professor, UC Riverside Department of Statistics   900 University Ave.
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