LAUREN CAPPIELLO

Assistant Professor, Department of Mathematics and Statistics   cappiello@csus.edu
California State University Sacramento   lgpcappiello.github.io

EDUCATION

Ph.D., Applied Statistics	University of California, Riverside (2020)
B.S., Statistics, *summa cum laude*	University of California, Riverside (2016)

TEACHING

California State University, Sacramento
Assistant Professor   Aug 2020 - ongoing
· Stat 115A   Introduction to Probability Theory (scheduled for F21)
· Stat 1   Introduction to Statistics
· Math 26A   Calculus I for the Social and Life Sciences

University of California, Riverside
Instructor on Record   Sep 2017 - Dec 2019
· Stat 100A   Introduction to Statistics I
· Stat 100B   Introduction to Statistics II

HONORS AND AWARDS

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

Chancellor's Distinguished Fellowship
University of California, Riverside   Sep 2016

ACADEMIC CONSULTING

California State University, Sacramento
Sue Hobbs, CSUS Assistant Professor of Child and Adolescent Development   Spring 2021
· Brief consultation on the use of propensity score matched data in structural equation modeling.

University of California, Riverside
Lead Consultant, Graduate Quantitative Methods Center   Jul 2018 - Jun 2019
· Provided statistical and computational consultations to graduate students and postdoctoral researchers from across campus.
· Supervised and managed a team of part time consultants.
· Developed and taught workshops, seminars, 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*

PRESENTATIONS AND WORKSHOPS

Panelist, *Faculty Panel* — May 13, 2021
UC Riverside Career Mentoring of Underrepresented STEM Students for the Professoriate — Remote

Panelist, *Getting Hired: CSUs and Community Colleges* — May 6, 2021
UC Riverside Teaching Careers Week — Remote due to COVID-19

Panelist, *Meeting With Alumni* — Jan 15, 2021
National Institute of Statistical Sciences Graduate Student Network — Remote due to COVID-19

RESEARCH PAPERS AND PRESENTATIONS

Cappiello, L., Zhang, Z., Shen, C., Butala, N.M., Cui, X. and Yeh, R.W. (2021), *Adjusting for population differences using machine learning methods.* J R Stat Soc Series C. doi.org/10.1111/rssc.12486

Cappiello, L. (2020). *Applied Machine Learning Methods in Adjusting for Population Differences.* Orange County Biostatistics Symposium. Remote due to COVID-19.

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.

Cappiello L. (2016). *A Novel Estimation Technique for a Five-Parameter Bivariate Beta Distribution* International Biometric Society Eastern North American Region Meeting. Austin, Texas.

PROFESSIONAL DEVELOPMENT

California State University, Sacramento

Summer 2021 Online Course Design Grant Program — Spring 2021

Designing for Student Success: Building Inclusive Practices by Interrogating Power and Privilege. Professional Learning Community — 2020 - 2021

Teach ON!-Line Summer Camp — Aug 2020

SERVICE

Reviewer
· Journal of Statistical Theory and Practice

Editorial Board
· Cummings J. *Proofs, A Long-Form Mathematics Textbook.* — 2021

California State University, Sacramento
· Northern California Data Science Alliance — 2021 - ongoing
· Professional Science Masters Development Group — 2020 - ongoing

CSUS Department of Mathematics and Statistics
· Curriculum Committee — 2020 - ongoing
   · Lower division computing course working group
· Calculus Committee — 2020 - ongoing

University of California, Riverside
· President and Cofounder, Statistics Graduate Student Association — 2019 - 2020

· Graduate Student Ambassador, Statistics Department	2019 - 2020
· President, Mu Sigma Rho	2018 - 2020
· Secretary, Mu Sigma Rho	2017 - 2018

OUTREACH

Biostastics Project Mentor for Athena by Women in STEM	2020
Request a Woman Scientist Resource for 500 Women Scientists	2018 - ongoing
Science Network Program Mentee with Union of Concerned Scientists	2019

PROFESSIONAL ORGANIZATIONS

Member, American Statistical Association	2019 - ongoing

· Section on Statistics and Data Science Education
· Section on Nonparametric Statistics
· Biopharmaceutical Section
· Sacramento Statistical Association
· Justice, Equity, Diversity, and Inclusion Outreach Group

ONLINE PUBLICATIONS

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

Learning to Love Statistics. (2018) University of California, Riverside Graduate Student Resource Center blog. Republished on my website `lgpcappiello.github.io/lovestatistics/`.

MEDIA

Interviewed for *Excited to go back: Sac State students weigh in on fall 2021 teaching modalities.* (2021) The State Hornet. `statehornet.com/2021/04/sac-state-students-fall-2021-in-person-opinions/`