

# LAUREN CAPPIELLO

Assistant Professor, Department of Mathematics and Statistics  
California State University Sacramento

cappiello@csus.edu  
lgpcappiello.github.io

## EDUCATION

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Ph.D., Applied Statistics	University of California, Riverside (2020)
B.S., Statistics, <i>summa cum laude</i>	University of California, Riverside (2016)

## TEACHING

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### 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

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### 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

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### 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

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Panelist, <i>Faculty Panel</i>	May 13, 2021
UC Riverside Career Mentoring of Underrepresented STEM Students for the Professoriate	Remote
Panelist, <i>Getting Hired: CSUs and Community Colleges</i>	May 6, 2021
UC Riverside Teaching Careers Week	Remote due to COVID-19
Panelist, <i>Meeting With Alumni</i>	Jan 15, 2021
National Institute of Statistical Sciences Graduate Student Network	Remote due to COVID-19

## RESEARCH PAPERS AND PRESENTATIONS

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- 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

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### 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

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### 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, 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

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- 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

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- 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

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- 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/](https://lgpcappiello.github.io/lovestatistics/).

## MEDIA

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- 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/](https://statehornet.com/2021/04/sac-state-students-fall-2021-in-person-opinions/)