

LAUREN CAPPIELLO

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

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EDUCATION

Ph.D., Applied Statistics
B.S., Statistics, *summa cum laude*

University of California, Riverside (2020)
University of California, Riverside (2016)

TEACHING

California State University, Sacramento

Assistant Professor

Aug 2020 - ongoing

- Stat 115A Introduction to Probability Theory
- 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

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.

ACADEMIC CONSULTING

California State University, Sacramento

Erin Green, CSUS Assistant Professor of Physical Therapy

Summer 2021

- Complete data cleaning, analysis, and write up for an American Council of Academic Physical Therapy survey.

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

Discussion leader (with Dr. Analisa Flores, UC Riverside), <i>Challenges and Successes of Emergency Online Teaching</i>	Aug 2, 2021
Birds of a Feather Discussion at the Joint Statistical Meeting	Remote
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
Panelist, <i>Meeting With Alumni</i>	Jan 15, 2021
National Institute of Statistical Sciences Graduate Student Network	Remote

PROFESSIONAL DEVELOPMENT

Mathematical Association of America

- Fellow, *Project NeXT (New Experiences in Teaching)* Aug 2021 - Aug 2022
- Co-Coordinator - Gold '21 Cohort, *Project NeXT (New Experiences in Teaching)* Aug 2021 - Aug 2022

California State University, Sacramento

- Flexible Fundamentals Workshop. Faculty Learning Community Summer 2021
- 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

- Northern California Data Science Alliance 2021 - ongoing

CSUS Department of Mathematics and Statistics

- Curriculum Committee 2020 - 2021
- Lower division computing course working group

· Calculus Committee 2020 - 2021

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

Biostatistics 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, Mathematical Association of America 2021 - ongoing
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/