

KYLE RITSCHER – CURRICULUM VITAE

CONTACT

Position: Teaching Assistant, UCLA Department of Statistics and Data Science
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EDUCATION

Ph.D in Statistics and Data Science, *University of California - Los Angeles* 2024–Present
Advisor: Professor Oscar Hernan Madrid Padilla
GPA: 3.95
B.S. in Mathematics of Computation, *University of California - Los Angeles* 2020–2024
GPA: 3.99 – Summa Cum Laude

EMPLOYMENT

Research & Development Intern, Sandia National Laboratories 2024–Present
Teaching Assistant, UCLA Department of Statistics and Data Science 2025–Present
Data Analyst, Operation Smile 2024
Data Science & Analytics Intern, TARTLE 2023

PUBLICATIONS

PUBLISHED

- 1. Change Point Localization and Inference in Dynamic Multilayer Networks**
F. Wang, K. Ritscher, Y.L. Kei, X. Ma, O.H. Madrid Padilla.
To appear in International Conference on Learning Representations (ICLR), 2026. [PDF]
- 2. Quantile Additive Trend Filtering**
Z. Zhang, K. Ritscher, O.H. Madrid Padilla.
Proceedings of The 28th International Conference on Artificial Intelligence and Statistics (AISTATS), 2025. [PDF]

PREPRINTS

- 1. Flex-Act: Why Learn when you can Pick?**
R. Kumar, K. Ritscher, J. Zhu, L. Liu, C.J. Hsieh.
Under Review, 2026. [PDF]

WORKING PAPERS

- 1. Heteroskedastic Canonical Polyadic Tensor Decomposition**
K. Ritscher, C. Llosa.
In Progress, 2026+.

2. Risk Bounds for Quantile Temporal-Spatial Analysis

Z. Zhang, K. Ritscher, O.H. Madrid Padilla, C.M. Madrid Padilla.

In Progress, 2026+.

TECHNICAL REPORTS

1. Model-form Error Correction using Universal Differential Equations for an Agent-Based Model of Infectious Disease

K. Nguyen, K. Ritscher, J. Ray, E. C. S. Acquesta.

Sandia Report, 2024 doi:10.2172/2516863

TEACHING

Teaching Assistant (UCLA):

- Introduction to Statistical Reasoning (STATS 10, Sections 3E & 3F) Fall 2025
- Introduction to Mathematical Statistics (STATS 100B, Sections 1A & 1B) Winter 2026
- Introduction to Statistical Methods for Life and Health Sciences (STATS 13, Sections 4C & 4D) Spring 2026

PROFESSIONAL SERVICE

Reviewer for:

- Journal of Computational and Graphical Statistics
- Stat