

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: 4.00

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

PREPRINTS

1. **Change Point Localization and Inference in Dynamic Multilayer Networks**

F. Wang, K. Ritscher, Y.L. Kei, X. Ma, O.H. Madrid Padilla.

Submitted (2025). [PDF]

2. **Quantile Temporal Spatial Modeling**

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

In Progress.

PUBLISHED

1. **Quantile Additive Trend Filtering**

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

Proceedings of The 28th International Conference on Artificial Intelligence and Statistics (2025). [PDF]

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