

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