Joshua North

Department of Statistics
University of Missouri Columbia
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EDUCATION

University of Missouri Columbia, Columbia, Missouri. (Anticipated Graduation May 2022)

Ph.D., STATISTICS
Advisors: Christopher K. Wikle and Erin M. Schliep

University of Colorado Boulder, Boulder, Colorado. (2017)

B.S., APPLIED MATH
B.A., ECOLOGY AND EVOLUTIONARY BIOLOGY
Minor, STATISTICS

PUBLICATIONS

North, J. S., E. M Schliep, and C. K. Wikle. On the spatial and temporal shift in the archetypal seasonal temperature cycle as driven by annual and semi-annual harmonics. *Environmetrics*, pages 1–16, dec 2020. doi: 10.1002/env.2665.

North, J., Z. Stanley, W. Kleiber, W. Deierling, E. Gilleland, and M. Steiner. A statistical approach to fast nowcasting of lightning potential fields. *Advances in Statistical Climatology, Meteorology, and Oceanography*, 2(6):79–90, 2020. doi: https://doi.org/10.5194/ascmo-6-79-2020.

TEACHING

University of Missouri Columbia, Columbia, Missouri.

Course Development

STAT 4330/7330 - Methods in Sports Analytics I

STAT 4340/7340 - Methods in Sports Analytics II

Graduate Instructor

STAT 2500 - Introduction to Probability and Statistics I (F17, S18)

STAT 3500 - Introduction to Probability and Statistics II (F18)

STAT 4340/7340 - Methods in Sports Analytics II (S20, S21)

STAT 4330/7330 - Methods in Sports Analytics I (F20)

University of Colorado Boulder, Boulder, Colorado.

Undergraduate Teaching Assistant

APPM 1235 - Pre-Calculus for Engineers (F15)

APPM 3570 - Applied Probability (S16)

TALKS/POSTERS

On the Spatial and Temporal Shift in the Archetypal Seasonal Temperature Cycle as Driven by Annual and Semi-Annual Harmonics, Joint Statistical Meeting; August 4, 2020. Invited. (Talk)

Accuracy of Radial Support Vector Classifiers; Effect of Imbalanced Training Sets on Varying Minority Class Prevalence, Boulder, Colorado; May 1, 2017. (Poster)

Creating Reproducible Research, Boulder, Colorado; March 21, 2017. (Talk)

MEMBERSHIP/SERVICE

Instructor and VIP Consultant for University of Missouri DataFest

American Statistical Association (ASA) member

University of Missouri Statistics Graduate Student Association Vice-President

University of Missouri Statistics Graduate Student Association Treasurer

COMPUTER SKILLS

Statistical/Mathematical: R, Python, C++, Shiny, MATLAB, SAS, Mathematica

Applications: LaTeX, GitHub, Git, Excel