
CONTACT INFORMATION	Wake Forest University 127 Manchester Hall Winston-Salem, NC 27109	☎: (803) 944-7265 ✉: murphye@wfu.edu 🌐: https://evamurphy100.github.io/
CITIZENSHIP	United States	
RESEARCH INTERESTS	Statistical modelling; Spatio-temporal statistics; Deep learning; Data fusion; Environmental applications.	
EDUCATION	<p>Ph.D. in Mathematical and Statistical Sciences, Clemson University, Clemson, SC August 2023</p> <ul style="list-style-type: none"> • Advisor: Dr. Whitney Huang, Assistant Professor, School of Mathematical and Statistical Sciences <p>M.S. in Mathematical Sciences, University of West Florida, Pensacola, FL April 2016</p> <ul style="list-style-type: none"> • Advisor: Dr. Josaphat Uvah, Professor, University of West Florida <p>B.S. in Mathematical Sciences, Babes-Bolyai University, Romania June 2006</p>	
MANUSCRIPT IN PREPARATION	<ol style="list-style-type: none"> 1. Murphy E., Huang W.K., Ting Fung Ma “Spatio-temporal modeling of wind speed data” (2023+). 2. Murphy E., Huang W. K., Bessac, J., Wang, J., & Kotamarthi, R. “Joint modeling of wind speed and wind direction through a conditional approach” (2022+, [arXiv Link], Winner of ASA Section on Statistics and the Environment Student Paper Competition). 	
AWARDS	<p>Student Award</p> <ul style="list-style-type: none"> • Outstanding Graduate in Research Award 2023 <i>This award is given by the School of Mathematical and Statistical Sciences, Clemson University.</i> • ASA ENVR Student Paper Award 2023 <i>The award is sponsored by the Section on Statistics and the Environment (ENVR) of the American Statistical Association (ASA). Papers were judged on environmental importance/relevance, statistical modeling/novelty, as well as writing (including organization, clarity, and accessibility).</i> • Dr. Kenyon Fairey Graduate Fellowship, Clemson University September 2022 - May 2023 <i>“The fellowship’s purpose is to provide graduate fellowships for doctoral students whose scholarship and/or applied research focuses on resource management, conservation, outdoor education, or health and wellness. Students are selected through a competitive review process managed by the Graduate School.”</i> • Call Me Doctor Dissertation Completion Fellowship, Clemson University August 2022 - August 2023 <i>“The Call Me Doctor Fellowship offers a unique opportunity for students from underrepresented and diverse backgrounds to pursue their doctoral studies with financial support, professional development, and mentoring from faculty with interdisciplinary expertise.”</i> <p>Presentation Competition</p> <ul style="list-style-type: none"> • Best Talk Award, SC-ASA Palmetto Symposium April 2022 	

Travel Awards

- Joint Statistical Meeting - Student Paper Award Presentation, ENVR August 2023
- Machine Learning for Climate and Weather Applications, Institute for Mathematical and Statistical Innovations (IMSI) November 2022
- Detection and Attribution of Climate Change, IMSI October 2022
- ENVR 2022 Workshop, Provo, UT October 2022
- Climate Model Evaluation and Uncertainty, IMSI September 2022
- Graduate Student Travel, Clemson University August 2022

PRESENTATIONS

Invited Talks

Spatio-temporal modeling of wind speed data

- ICSA Applied Statistics Symposium June, 2023

Joint modeling of wind speed and wind direction through a conditional approach

- Joint Statistical Meeting August, 2023
- 5th International Conference on Econometrics and Statistics, (virtual) June 2022
- Math For All Satellite Conference at Clemson University, SC Feb. 2022

Contributed Talks

Spatio-temporal modeling of wind speed data

- SC-ASA Palmetto Symposium, Columbia, SC April 2023

Joint modeling of wind speed and wind direction through a conditional approach

- Joint Statistical Meeting, Washington, DC August 2022
- Climate Informatics (virtual) May 2022
- SC-ASA Palmetto Symposium - Best Talk Award, Columbia, SC April 2022

Statistical framework for studying the spatio-temporal variation of wind speed and wind direction

- The Graduate Student Network Conference, NISS, (virtual) June 2021

Contributed Posters

Joint modeling of wind speed and wind direction through a conditional approach

- Climate Model Evaluation and Uncertainty, Chicago, IL September 2022
- ENVR Workshop, Provo, UT October, 2022

Modeling of Wind Speed and Wind Direction

- The Graduate Student Network Conference, NISS, (virtual) May 2022

General Audience

On the road of modeling wind speed and wind direction

- Math Club, Clemson University March 2023

Modeling wind speed and wind direction

- Clemson Calculus Challenge, Clemson University April, 2023

SERVICE

Session Chair

- The Statistical Analyzes for Environmental Monitoring, Contributed Papers Session, Section on Statistics and the Environment, Joint Statistical Meeting, August 2022

Paper Reviewer:

- *Data Science in Science* Dec. 2022
- 11th *International Conference on Climate Informatics* - extended abstract review March 2022

Mentor:

- STRIVE for MORE conference, (virtual) September 2020 and 2021

TEACHING
EXPERIENCE

Graduate Teacher of Record, School of Mathematical and Statistical Sciences, Clemson University

- Courses taught: Business Calculus I, Business Calculus II, Pre-Calculus and Introductory Differential Calculus, Calculus of Single Variable.

Teacher of Mathematics, Mid-Carolina High School, Newberry, SC

- Subjects taught: Algebra 1, Algebra 2, Geometry, Pre-Calculus, AP Calculus AB.

Adjunct Instructor of Mathematics, Piedmont Technical College, Newberry, SC and Midlands Technical College, Columbia, SC

- Courses taught: Probability and Statistics, Beginning Algebra, Intermediate Algebra, Algebra, Geometry and Trigonometry.

HARD SKILLS

R, MATLAB, Python, L^AT_EX, Unix/Linux Shell Scripting, High Performance Computing (HPC)

PROFESSIONAL
MEMBERSHIP

American Statistical Association (ASA)	Since August. 2018
ENVR Section. ASA	Since August 2018
Institute of Mathematical Statistics (IMS)	Since October 2022