Eva Murphy *Last update: 11/22/2022*

CONTACT INFORMATION
School of Mathematical and Statistical Sciences
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CITIZENSHIP
United States

RESEARCH INTERESTS
Statistical modelling; Spatio-temporal statistics; Deep learning; Data fusion; Environmental applications.

EDUCATION

Ph.D. in Mathematical and Statistical Sciences, **Clemson University**, Clemson, SC
August 2023 (expected)

- Advisor: Dr. Whitney Huang, Assistant Professor, School of Mathematical and Statistical Sciences

M.S. in Mathematical Sciences, **University of West Florida**, Pensacola, FL
April 2016

- Advisor: Dr. Josaphat Uvah, Professor, University of West Florida

B.S. in Mathematical Sciences, **Babes-Bolyai University**, Romania June 2006

MANUSCRIPT IN PREPARATION

1. Huang W. K., **Murphy E.** "Joint modeling of wind speed and wind direction through a conditional approach" (2022+).

AWARDS

Student Award

- **Dr. Kenyon Fairey Graduate Fellowship**, Clemson University
September 2022 - May 2023

  "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."

- **Call Me Doctor Dissertation Completion Fellowship**, Clemson University
August 2022 - August 2023

  "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."

Presentation Competition

- **Best Talk Award**, SC-ASA Palmetto Symposium April 2022

Travel Awards

- 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

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

- 5^{th} International Conference on Econometrics and Statistics, (virtual) June 2022
- Math For All Satellite Conference at Clemson University, SC Feb. 2022

Contributed Talks

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

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:

– 11^{th} 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.

Computer Skills

Programming Languages: R, MATLAB

Applications: LaTeX.

Professional Membership

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