

EDUCATION

Temple University, Philadelphia, PA
PhD, Statistics

Expected: May 2024
GPA: 3.79/4.0

University of Connecticut, Storrs, CT
Bachelor of Arts, Statistics
Dean's List, Fall 2017

Received: Dec. 2018

SKILLS

Computer: R, Python, C, MATLAB, Microsoft Office (Excel, Word, PowerPoint)

RELEVANT EXPERIENCE

Research and Teaching Assistant

August 2020 – Present

Fox School of Business Department of Statistics, *Temple University*

- Assist in the development of a new spatially varying model combination method for flexible spatial prediction
- Responsible for cleaning data, creating code, and testing code in R
- Literature review of articles related to the method being developed which involve advanced computation methods
- Instructor of record for an undergraduate course on using R for statistical computing and analysis
- Responsible for hosting office hour meetings, preparing lecture material, creating and grading quizzes, exams, and homework
- Taught in both virtual and in-person formats and used multiple techniques to engage student learning such as class exercises and analysis of real data

Data Analyst

January – June 2019, May - August 2022

Institute of Survey Research, *Temple University*

- Assisted in the entire survey process from questionnaire development, data cleaning, management, and visualizations, to statistical analyses and reporting results
- Performed various mathematical calculations and statistical methods to adequately analyze survey data
- Used R and SPSS to clean and analyze data as well as prepare meaningful visualizations and graphics
- Drafted specific reports for three clientele groups to make survey results comprehensible

Research Assistant

June 2019 – July 2020

College of Public Health, *Temple University*

- Assisted in research for an adolescent smoking cessation study, in which a text message based intervention was given to analyze how peer substance use and craving were impacted over time
- Cleaned and prepared data for analysis in R
- Used a newly developed time varying mediation model for analysis of the data, where the mediator and outcome variables change as continuous functions of time

STUDENT-ATHLETE EXPERIENCE

Student Athlete

August 2014 – November 2018

NCAA Division I Volleyball, *University of Connecticut*

- Balanced over 30 hours per week of team practices, weight training, home and away games, team meetings, and a rigorous academic course load
- Organized, lead, and attended optional team practices in the offseason to improve performance and team chemistry
- Lead the team in multiple strength and conditioning categories to improve on court performance
- AAC Player of the Week in 2016 and AAC All-Academic Team member in 2015, 2017, and 2018
- Worked with a diverse set of teammates from different backgrounds to achieve a common goal

PUBLICATIONS

Cabel, D., Sugawara, S., Kato, M., Takanashi, K., & McAlinn, K. (2022). Spatially-Varying Bayesian Predictive Synthesis for Flexible and Interpretable Spatial Prediction. ArXiv: 2203.05197 (Submitted for Publication March 2022)