

Summer 2023 Undergraduate Research Internship

Project Name

Dynamics of Extreme Events, People and Places

Faculty Mentor

Dr. Elizabeth Frankenberg (Sociology)

Project Description

Eastern North Carolina has weathered many storms. The rhythms of preparation and recovery are second nature to long-time residents, but the impacts of these events vary across people and places, as does the time and effort needed to get back to where life feels normal again. Our project combines survey data collected from households in eastern NC, administrative data, and data from geophysical models and satellite imagery. Our goal is to improve understanding of the short and long term impacts of storms, enhance scientists' and policy makers' ability to predict how storms with particular features affect populations in areas of impact, and enhance local government and community group knowledge about strategies for mitigation and recovery.

Scope of Work for Internship

Survey data analysis, possibly programming a Qualtrics survey

Expected Deliverables

Development of programs to clean and analyze data, with accompanying tables and visualization

Preferred Skills

Coursework in basic statistics