

**Carolina Population Center  
Summer 2021 Undergraduate Research Program**

**Project Name**

Dynamics of Extreme Events, People, and Places (DEEPP)

**Faculty Mentor**

Dr. Elizabeth Frankenberg, Department of 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**

The tasks will depend in part on the interests and skills of the intern but will involve coding survey responses to open-ended questions, monitoring survey progress and developing recommendations for maximizing completion rates, analyzing data provided by the North Carolina Emergency Management Department, developing web- or tablet-based short questionnaires, helping build a geospatial database that includes parks, natural areas, and areas of historical significance, and undertaking qualitative in-depth interviews of community activists.

**Expected Deliverables**

The first part of the internship will involve determining where the intern's skills are best deployed, which will depend on what those skills are and what the project most needs when the internship begins. The intern will then spend a concentrated period of time working on a particular element of the project, with the expectation that he or she will complete that element and prepare detailed documentation or a paper on that work. The internship may potentially be extended into the fall or spring depending on the intern's interests and the project's needs.

**Preferred Skills**

Skills in coding, data analysis, or web programming will be helpful, as will experience conducting interviews. The intern should be detail-oriented and enjoy working with teams.

**Time Commitment**

Full time (approximately 35 hours/week)