Carolina Population Center
Summer 2022 Undergraduate Research Program

Project Name
COVID-19 Vaccination and SARS-CoV-2 Infection Dynamics in North Carolina

Faculty Mentor
Dr. Paul Delamater, Geography

Project Description
This project examines the spatiotemporal variation in COVID-19 vaccination and SARS-CoV-2 infections in North Carolina. Specifically, we will be examining how the timing of vaccine uptake in places corresponded with infection dynamics and vice versa (e.g., did places with many infections early in the pandemic have lower vaccine uptake upon rollout). This project is part of a larger research program examining the COVID-19 pandemic in North Carolina (https://www.nc-covid.org)

Scope of Work for Internship
Data cleaning and analysis; creating maps and graphics; writing reports

Expected Deliverables
The expected deliverables are a completed analysis and a final report detailing the findings of the analysis.

Preferred Skills
Experience with the R programming language is highly preferred (some coding experience is required). Experience with Geographic Information Systems (GIS) is also preferred.

Time Commitment & Mode
Full time; in-person