

Project Proposal Template

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1 STOR 320: Introduction to Data Science

1.1 2024 Fall

1.2 Project Proposal Group 7

1.3 Project Roles

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1.4 Datasets

[2007 - 2023 Point-in-Time Estimates by CoC](#)

- Plan to download

[Chapel Hill Census](#) - Plan to download

[North Carolina Census](#) - Plan to download

[Eviction Data across America Per Month](#) - Plan to download

1.5 Initial Questions (At least 10 questions)

- **Question 1:** What demographics of people are more likely to be homeless today?
- **Question 2:** How have the demographics of the homeless population changed over time and are there notable changes in the number of homeless people in specific over time?
- **Question 3:** What are the primary factors correlated with homelessness in Chapel Hill/NC and how do they vary by race, gender, etc. Do these differ from nationwide trends?
- **Question 4:** Is there a relationship between eviction rates and race/gender?
- **Question 5:** How do individual CoCs compare in terms of change in homeless counts over the years?
- **Question 6:** What trends do we see in racial segregation?
- **Question 7:** How has the demographics of the homeless population changed over time and are there notable changes in the number of homeless in specific over time?
- **Question 8:** Can we predict future trends in homelessness count based on historical data? What kind of model would best suit that?
- **Question 9:** How do the demographics of homelessness compare to the general population?
- **Question 10:** How has COVID affected housing stability for different demographic groups?