

# PS5

Justin Canova

March 5, 2025

## 1 Question 3 (No API)

The data that I am using is a test for a longitudinal dataset a member of my faculty wants to build to write a paper on the evolution of organizational structure in makerspaces. Once I get the R code fine tuned, I will select all data in the from the Dallas Makerspace to run content analysis to understand how the evolution of membership and committees evolved. I used Claude to help me figure out the code for this first iteration.

## 2 Question 4 (with API)

For the API section, I was unable to find a meaningful API that would further my research or that of my faculty. As such, I decided to experiment with Claude generated code and the data.gov census API calls. I decided to use the census variables for the department of commerce to see if I could find any variables that I could use. In their present state, I find the variables to me without value. Perhaps I can keep experimenting and combine multiple API calls from different sources to produce a meaningful dataset.