Capstone Project #1 Proposal

What problem do I want to solve?

I am interested in looking at the housing affordability index for northern Colorado. Northern Colorado has several municipalities. I will look at the data for Fort Collins, Loveland, Greeley, Denver, and Boulder. Additionally, I would like to know if there is a link between the housing affordability index and the commuting distance that people are willing to travel.

Who is your client and why do they care about this information?

The cities of Fort Collins, Loveland, Greeley, Denver and Boulder should be interested in this information for several reasons. Having an affordable city will help to attract a more diverse population. Municipalities need a diverse range of residents to work a diverse cross section of jobs, professional, retail, service, etc.

What data are you going to use?

https://www.nar.realtor/Research.nsf/Pages/HousingInx

https://www.nahb.org/en/research/housing-economics/housing-indexes/housing-opportunity-index.aspx

https://www.census.gov/topics/employment/commuting/guidance/commuting.html

https://lehd.ces.census.gov/

Outline approach.

I am going to compare the housing affordability index with commuting to find out how far workers are willing to commute in order to obtain affordable housing.

Deliverables.

There will be code utilized to compare the data sets. A project paper explaining the method, the input, and the results will be submitted. A presentation will be created to explain the method, input and results of the project.