2/2/2023

Project 1

Group 5

Project Proposal

**Project Title** Minneapolis Neighborhood Property Value vs. Crime Rate

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**Project Description/Outline**

The potential correlation between average neighborhood home value and the number of crime incidents.

**Research Questions to be answered.**

* Where is the lowest crime value and the lowest home value?
* Where are the most significant seasonal trends and of what type of crime?
* What is the impact to crime in neighborhoods in university areas when school is in session?
* Understanding if there is a correlation between neighborhood home value and crime data
* What are the most frequent crimes in the highest/lowest home value neighborhoods?
* What neighborhood has the highest number of crimes? What type? What is the general home value?
* What neighborhood has the lowest number of crimes? What type? What is the general home value?
* What is the most frequent type of crime?
* What are the building classification types in the areas with the most/least crime incidents?

**Datasets to be used**

* Minneapolis Data Sets
  + Accessors Parcel Data – 2022
    - https://opendata.minneapolismn.gov/datasets/cityoflakes::assessors-parcel-data-2022/explore
  + Crime Data
    - https://opendata.minneapolismn.gov/search?groupIds=79606f50581f4a33b14a19e61c4891f7
  + \*Liquor store – if time

**Rough breakdown of tasks**

* Neighborhood grouping of the 2022 crime data set
  + What neighborhoods do we see instances of higher crime rates?
  + What are the seasonal trends for crime?
  + Are there seasonal spikes of crimes in neighborhoods?
  + Are there higher rates of crime in the university neighborhoods?
    - Semester start/end
  + What are the types of buildings in the high/low crime areas?
* Neighborhood grouping of the 2022 assessors parcel data 2022
  + Calculate the property values by neighborhoods
* Create groupings by neighborhoods to merge the groups

**Timeline:**

**Monday**

* Set up data in github
* Clean data and determine data groupings

**Wednesday**

* Layout the graphs we want for each question

**Thursday**

* Individual assignments for the weekend