BSAN 6100 ArcGIS Spatial Analysis Group Project

Team: Yannick, Matthew, Mayi, Taleen, Tina

Project Initiation

1) What is the topic/domain you would like to work on? is there an alternative?

Homicides and gun-related violent crime in Chicago

2) Where would the relevant data reside?

We will continue with our original Chicago victim dataset and add the following supplemental data for analysis:

Data Description	Source	Team Member	Visualization Plan
Population Density	https://data.cityofchicago.org/Health-Human-Services/Chicago-Population-Counts/85cm-7uqa/about_data	Mayi	Sequential area mapping
Median Income	https://data.census.gov/table/ACSST5Y2022.S1901?q=median%20income%20chicago	Mayi	Sequential area mapping
Racial Demographics	Chicago city, Illinois - Census Bureau Profile	Matthew	Sequential area mapping
Immigration Status	SVI (language spoken as proxy)	Taleen	Sequential area mapping
Age Demographics	https://data.cityofchicago.org/Health-Human-Services/Census-Data-Age-By-Sex-And-Ethnicity-/77jv-5zb8	Yannick	Need help*
Landmarks: police stations	https://data.cityofchicago.org/Public-Safety/Police-Stations/z8bn-74gv	Yannick	Point symbology, hotspot radius
Landmarks: nightclubs/bars	https://data.cityofchicago.org/Community-Economic-Development/Business-Licenses-Current-Active/uupf-x98q/data	Tina	Point symbology, hotspot radius
Landmarks: public transportation		Taleen	Point symbology, hotspot radius
Landmarks: parks	Parks - Chicago Park District Park Boundaries (current)	City of Chicago	Data Portal	Matthew	Point symbology, hotspot radius
High School Education Quality	https://www.cps.edu/about/district-data/metrics/accountability-reports/ https://catalog.data.gov/dataset/chicago-public-schools-school-progress-reports-sy2324	Tina	Sequential area mapping

3) Try to see if you can set some responsibility for individual as a group. Discuss your strong points, what you are comfortable doing, what do you want to learn, and what is your own expected level of contribution to the group. Remember to be courteous and supportive to your classmates. We are all in this together to learn from each other. Make sure that all voices are heard.

> See table above for division of tasks. Group members will assist each other as needed. After finding data sources, we will cross-check with each other and make sure we're all on the same page. We will have a group feedback and planning session before preparing our presentation and report.

4) Determine a set of working principles and norms for the group (how would you communicate, how would you make the decision, how would you solve conflict).

> We will be messaging through WhatsApp and meeting over Zoom regularly. To resolve potential conflicts, we would try to reason and compromise. If a compromise cannot be reached, we will settle with a vote.

5) With what do you need my help.

> *How to best visualize binned age groups on the map as population density by age.

6) Other things you want to share.

> N/A