

CAPP 122–Project Deliverable 2

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1. Please provide one paragraph description of the goals of your project. You can list the same description from the previous deliverable or provide new details about aspects that have changed since Week 4.

Our team is seeking to plot maps of certain public and private services to generate a “quality of life” measure in Chicago’s 77 neighborhoods. We will plot:

- public libraries
- murals
- starbucks
- pharmacies

We will use the Chicago Data Portal and other online resources to geocode locations to generate in geopandas.

We will then use Census demographic data to analyze any potential relationships between our “quality of life” measure and demographic info. Our goal is to have variations of the map based on which piece of data the user would like to look at.

2. For each source of data that you expect to use, please list the source of data, who will be responsible for collecting data from that source, and a date by which you expect the work of gathering the data from that source to be complete.
 - Chicago Data Portal (est. March 5):
 - libraries and pharmacies (Kelley Sarussi)
 - murals (Irsa Ashraf)
 - demographics (Yunjoo Park)
 - Starbucks website (est. March 5 by Yunjoo)
 - neighborhood shape files (already completed by Ian Jeong)
3. Please give a brief sketch of the work that needs to be done to complete your project (other than data collection), include a description of which team member(s) will be responsible for completing this work and the expected timeline for completion
 - Get longitudes and latitudes to put into geopandas to map & make sure that outputs from our Chicago Data Portal work with the Chicago neighborhood map (March 9th; Ian)
 - Develop a metric that assesses ‘quality of life.’

Compare to demographic data either with data visualizations or computationally (Yunjoo, Kelley, Irsa; est. March 9)

- Create interactive maps using folium, refine output, and compile different components (Ian, Kelley, Irsa, Yunjoo; est. March 9)
- Organize directory of package (Ian, Kelly, Irsa, Yunjoo est. March 9)
- Finalize shell script for installing packages from requirements.txt (March 9)

4. Include any additional information you wish to provide about your project.

5. If you need additional feedback from me then please make sure to include that in your report.

We are planning to use folium to create the interactive maps, but we are concerned it may oversimplify the process and reduce the project's overall complexity. Any feedback regarding the use of folium (or any acceptable alternatives) would be appreciated. Thank you!