Haverhill Deliverable 1

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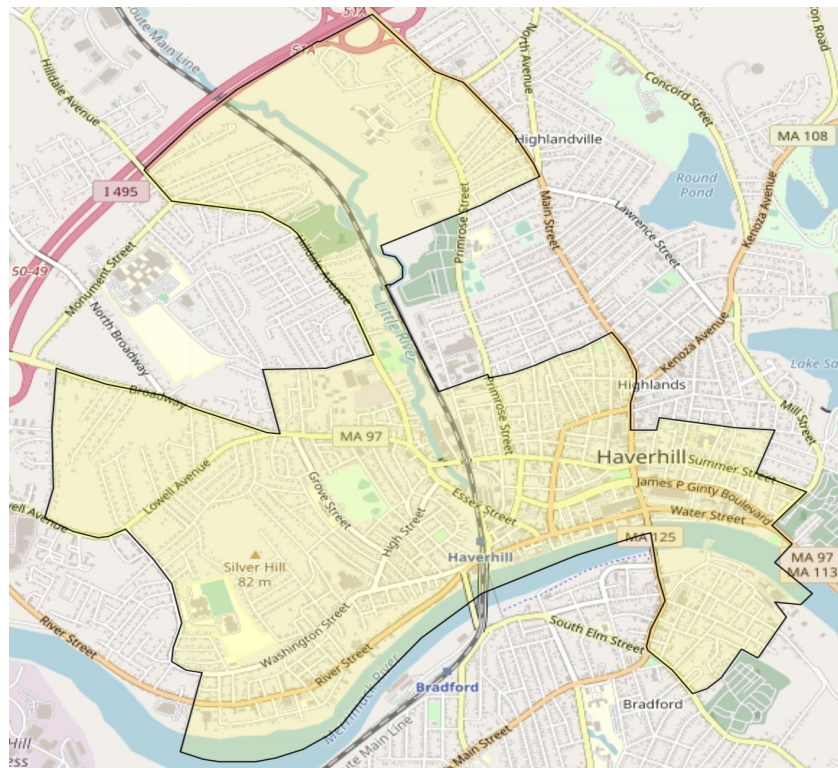
1. Current Progress

a. Used "geopandas" library to read two geojson files and transform the coordinates stored in the two files from "epsg:3857" format to "epsg:4326" format.

b. Utilized "folium" library to draw the boundaries of the CDBG area and each precinct respectively.

c. Obtained two html files showing the target boundaries.
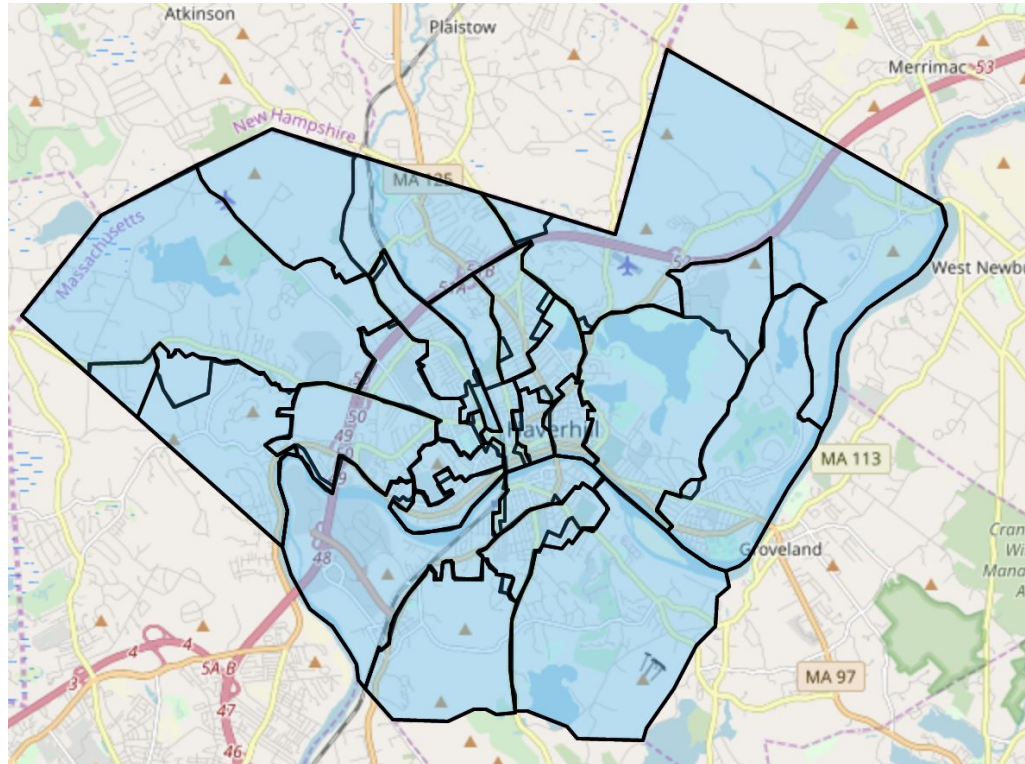
2. Current Result

CDBG Area:

Here is the part of region we plot according to the given data from the CDBG json file:

Wards/Precincts:

   Here is the part of region we plot according to the given data from the Wards and Precincts json files:

3. Future Work

   There is lots of work to do in the future.

   a. Plot different wards/precincts with different colors.
   b. Process request.csv file to extract valid data and classify them.
   c. Mark the requests on the map with different types and wards/precincts.
   d. Plot refuse routes on the map and classify them with different weekdays.

   For deliverable 2, we think we could at least finish task a. If things go well, we could even finish task b.