

The Battle of the Neighborhoods

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1 Introduction and Business Problem

I have chosen a specific hypothetical situation wherein my spouse is relocating for work reasons. In this scenario, they are moving from their favorite city in the United States, Boston, Massachusetts to a completely new city in Europe: Stockholm, Sweden. My goal is to use the Foursquare API as well as other publicly available data to determine which neighborhoods in which cities are the most similar to my spouse's favorite neighborhood in Boston: Davis Square.

2 Data

For this project I plan on exploring the following data sources:

- ARCGIS Neighborhood Boundary Data for Boston, MA [↗](#)
- Nominatim OpenStreetMaps API [↗](#)
- Stockholm Geoarkivet [↗](#)
- Foursquare Places API [↗](#)
- NOAA Climate Data Web Services API [↗](#)

Data from ARCGIS, Geoarkivet, and OpenStreetMaps will be used to determine the count and geographic centers of the neighborhoods in Boston and in various cities in Sweden. The Foursquare Places API will be used to collect information about surrounding venues of interest. I will explore whether or not there are meaningful climate differences with NOAA, though I don't expect this to be materially different within each city.