

Description of the Data

For this project, I will scrap the Boston neighborhoods data from Wikipedia ([Neighborhoods in Boston - Wikipedia](#)) using the Beautiful Soup library and I will obtain the restaurant information in Boston neighborhoods from [Foursquare](#) using an API. These two sets of data will be merged, a cluster analysis will be performed by the k nearest neighbors regression method followed by the creation of a geographical map using folium library.

Neighborhoods in Boston

From Wikipedia, the free encyclopedia

Boston's diverse [neighborhoods](#) serve as a political and cultural organizing mechanism. The City of Boston's Office of Neighborhood Services has designated 23 Neighborhoods in the city:

- [Allston](#)
- [Back Bay](#)
- [Bay Village](#)
- [Beacon Hill](#)
- [Brighton](#)
- [Charlestown](#)
- [Chinatown–Leather District](#)
- [Dorchester](#) (divided for planning purposes into Mid-Dorchester and Dorchester)
- [Downtown](#)
- [East Boston](#)
- [Fenway-Kenmore](#) (includes [Longwood](#))
- [Hyde Park](#)
- [Jamaica Plain](#)
- [Mattapan](#)
- [Mission Hill](#)
- [North End](#)
- [Roslindale](#)
- [Roxbury](#)
- [South Boston](#)
- [South End](#)



Neighborhoods of Boston as defined by the City's Office of Neighborhood Services