

2.2 - Data Sources

The data sources used in this research project include:

- The **City of Seattle OpenData Urban Centers**^[8] CSV download was used to split Seattle up into 42 neighborhoods. Attributes include neighborhood size in acres, population, ethnicity breakdowns, rental vs. home ownership percent, and other demographics.
- The **AgingKingCounty.org**^[12] PDF download cross-walks Seattle Neighborhoods to zip codes.
- The **OpenDataSoft.com**^[13] web report was filtered down to a list of all Seattle zip codes along with their latitude and longitude coordinates. These were exported out to a CSV file for use in this project.
- The Python **Geocoder** package was used just for a level set map of Seattle. Decision was made not to use it for the neighborhood zip code to geo coordinates because it would have added a little complexity and development time. Instead the simpler OpenDataSoft CSV file was used instead.
- The **Foursquare API**^[9] was used to add venue data for the neighborhoods such as number of restaurants, whether or not a Orient restaurant already exists, etc. Foursquare is one of the largest venue databases having over 105 million^[10] global points of interest and 125,000^[11] developers building location-aware experiences with the Foursquare API.