2. Data

2.1 Data Sources

Data is collected from kaggle website. Chicago neighborhoods data is a json file that contains the longitude and latitudes of neighborhoods. The link to the data is :
https://www.kaggle.com/afernandezcan/chicago-neighborhoods-2012

2.2 Foursquare API

Once we have our location candidates, we can use the Foursquare API to get information on health centers in each neighborhood. We are interested in clinics rather than hospitals, so we will exclude details of hospitals nearby. What we need is a list of venues with 'clinics' or 'health care centers' in category name. Also we must detect and include all subcategories of 'children's clinic' and 'public' ones. Once we have all the health centers in area within few kilometers from Chicago city center, and we know which ones are children's clinics, data gathering is done.