

## 2. Data Source and Methodology

For this project I am going to use two data sources to explore NYC neighborhoods. The first one is [NYU spatial data](#) repository which I am going to use it to extract 2014 New York City Neighborhood Names with coordinates.

The second one is FourSquare – Places API. This will help me to extract food and restaurant related venues. Food and restaurant related venues are found under food category ID. From foursquare definition each venues is assigned a category and each category is associated with a particular category ID. Food- 4d4b7105d754a06374d81259

The following table shows a sample of the food and restaurant related venues with category ID

|                                      |                          |
|--------------------------------------|--------------------------|
| <b>Afghan Restaurant</b>             | 503288ae91d4c4b30a586d67 |
| <b>Ethiopian Restaurant</b>          | 4bf58dd8d48988d10a941735 |
| <b>New American Restaurant</b>       | 4bf58dd8d48988d157941735 |
| <b>Burmese Restaurant</b>            | 56aa371be4b08b9a8d573568 |
| <b>Cambodian Restaurant</b>          | 52e81612bcb57f1066b7a03  |
| <b>Anhui Restaurant</b>              | 52af3a5e3cf9994f4e043bea |
| <b>Beijing Restaurant</b>            | 52af3a723cf9994f4e043bec |
| <b>Cantonese Restaurant</b>          | 52af3a7c3cf9994f4e043bed |
| <b>Cha Chaa Teng</b>                 | 58daa1558bbb0b01f18ec1d3 |
| <b>Chinese Aristocrat Restaurant</b> | 52af3a673cf9994f4e043beb |
| <b>Chinese Breakfast Place</b>       | 52af3a903cf9994f4e043bee |
| <b>Dim Sum Restaurant</b>            | 4bf58dd8d48988d1f5931735 |
| <b>Dongbei Restaurant</b>            | 52af3a9f3cf9994f4e043bef |
| <b>Fujian Restaurant</b>             | 52af3aaa3cf9994f4e043bf0 |
| <b>Guizhou Restaurant</b>            | 52af3ab53cf9994f4e043bf1 |
| <b>Hainan Restaurant</b>             | 52af3abe3cf9994f4e043bf2 |
| <b>Hakka Restaurant</b>              | 52af3ac83cf9994f4e043bf3 |
| <b>Henan Restaurant</b>              | 52af3ad23cf9994f4e043bf4 |
| <b>Hong Kong Restaurant</b>          | 52af3add3cf9994f4e043bf5 |
| <b>Huaiyang Restaurant</b>           | 52af3af23cf9994f4e043bf7 |
| <b>Hubei Restaurant</b>              | 52af3ae63cf9994f4e043bf6 |
| <b>Hunan Restaurant</b>              | 52af3afc3cf9994f4e043bf8 |