Data Requirements

The data I will need for Brooklyn is as follows:

- I will use the dataset from https://cocl.us/new_york_dataset because this contains all of the data related to the New York boroughs and neighborhoods. Such as, the name of the borough; the name of the neighborhood; and the coordinates for both areas. This data will also allow me to map the neighborhoods.   Data wrangling and other data manipulation will be require.

  Example:

  ```
  {'type': 'Feature',
   'id': 'nyu_2451_34572.3',
   'geometry': {'type': 'Point',
    'coordinates': [-73.82780644716412, 40.887555677350775]},
   'geometry_name': 'geom',
   'properties': {'name': 'Eastchester',
    'stacked': 1,
    'annoline1': 'Eastchester',
    'annoline2': None,
    'annoline3': None,
    'annoangle': 0.0,
    'borough': 'Bronx',
    'bbox': [-73.82780644716412,
     40.887555677350775,
     -73.82780644716412,
     40.887555677350775]}},
  ```

- I will use **FourSquare's** API/Endpoints to pull the following data:
  - Venue Name
  - The Venue's Latitude & Longitude
  - The Venue's category so that I can filter on skate parks
  - The Neighborhood that the Venue is located
  - The Neighborhood's Latitude & Longitude

  Example:

```
'venue': {'id': '4b4429abf964a52037f225e3',
 'name': "Arturo's",
 'location': {'address': '5198 Broadway',
  'crossStreet': 'at 225th St.',
  'lat': 40.87441177110231,
  'lng': -73.91027100981574,
  'labeledLatLngs': [{'label': 'display',
    'lat': 40.87441177110231,
    'lng': -73.91027100981574}],
  'distance': 240,
  'postalCode': '10463',
  'cc': 'US',
  'city': 'New York',
  'state': 'NY',
  'country': 'United States',
  'formattedAddress': ['5198 Broadway (at 225th St.)',
   'New York, NY 10463',
   'United States']},
 'categories': [{'id': '4bf58dd8d48988d1ca941735',
   'name': 'Pizza Place',
   'pluralName': 'Pizza Places',
   'shortName': 'Pizza',
   'icon': {'prefix': 'https://ss3.4sqi.net/img/categories_v2/food/pizza_',
    'suffix': '.png'},
   'primary': True}],
 'delivery': {'id': '72548',
  'url': 'https://www.seamless.com/menu/arturos-pizza-5189-broadway-ave-new-york
  'provider': {'name': 'seamless',
   'icon': {'prefix': 'https://fastly.4sqi.net/img/general/cap/',
    'sizes': [40, 50],
    'name': '/delivery_provider_seamless_20180129.png'}}},
 'photos': {'count': 0, 'groups': []}},
'referralId': 'e-0-4b4429abf964a52037f225e3-0'},
{'reasons': {'count': 0,
  'items': [{'summary': 'This spot is popular',
   'type': 'general',
   'reasonName': 'globalInteractionReason'}]},
```

Note: The data pulled from both sources will allow me to map the existing parks within a given neighborhood.

- All of the Brooklyn neighborhoods will be required.
- The current location of existing skate parks to see what neighborhoods they support is required.
- The current number of skate parks in Brooklyn needs to be determined.