

The Battle of the Neighborhoods - Week 1

Data

NYC has 5 boroughs and 306 neighborhoods. Since most visited attractions are concentrated in Manhattan borough. I will focus on Manhattan for finding the best office space to be opened.

Data to be used to tackle the problem:

1. Demographics of New York City: Population, Gross Domestic Product and Gross Domestic Product per capita of year 2019
 - Dataset: https://en.wikipedia.org/wiki/Demographics_of_New_York_City
2. Tourism in New York City – Visitors data: Domestic/International visitors with visitor spending from year 1991 thru 2018 - page[0] on html below
 - Dataset: https://en.wikipedia.org/wiki/Tourism_in_New_York_City
3. Tourism in New York City – Most visited attractions: name, numbers of visitors and locations of most visited attractions visited with 2MM visitors - page[1] on html below
 - Dataset: https://en.wikipedia.org/wiki/Tourism_in_New_York_City
4. NYC neighborhoods: 5 boroughs and 306 neighborhoods with the latitude and longitude
 - Dataset: https://geo.nyu.edu/catalog/nyu_2451_34572
5. All attractions in NYC: Foursquare API conjunction with neighborhoods' coordinates above
 - API : <https://api.foursquare.com/v2/venues>
 - Out of 331 venues categories from Foursquare API only 28 venue categories listed below will be used to extract

Art Museum	Monument / Landmark
Concert Hall	Museum
Cultural Center	Music Venue
Department Store	Opera House
Duty-free Shop	Outdoor Sculpture
Exhibit	Park
Garden	Pedestrian Plaza
Garden Center	Performing Arts Venue
Historic Site	Sculpture Garden
History Museum	Shopping Mall
Indie Movie Theater	Theater
Indie Theater	Theme Park Ride / Attraction
Library	Tourist Information Center
Memorial Site	Train Station