

Battle of a Neighborhoods

Janek wants to move to NYC

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Introduction

Currently living in the capital city of Poland - Warsaw a person has decided to move to the Big Apple, as he received a very fine job offer. In this case that person (let's call him Janek) wants to find a good place to live. We will need to define what are Janek needs.

- Safety first - Janek want to live in quite calm neighborhood
- Office commute - Janek is a lucky person, and his new employer does not need him to be in the office very often, once a week would be enough. However public transportation is a must as Janek does not have a driving license.
- Cafe - However to work efficiently Janek needs caffeine. A lot of caffeine, so highly rated cafes in the neighborhood is a must.
- Polish cuisine - Janek loves his family. His Grandma makes the best pork chop and pierogi in the earth, but because Janek can't get his Grandma with him than at least some Polish restaurants within a walking distance would be good.
- Italian cuisine - Pasta, Pizza, Seafood and Wine are what Janek could eat and drink all the time. Like really all the time.

Having stated 5 most important points, We will now dig in to the data to find out, what would be most suitable place for Janek

Data

We will be using data from several sources including:

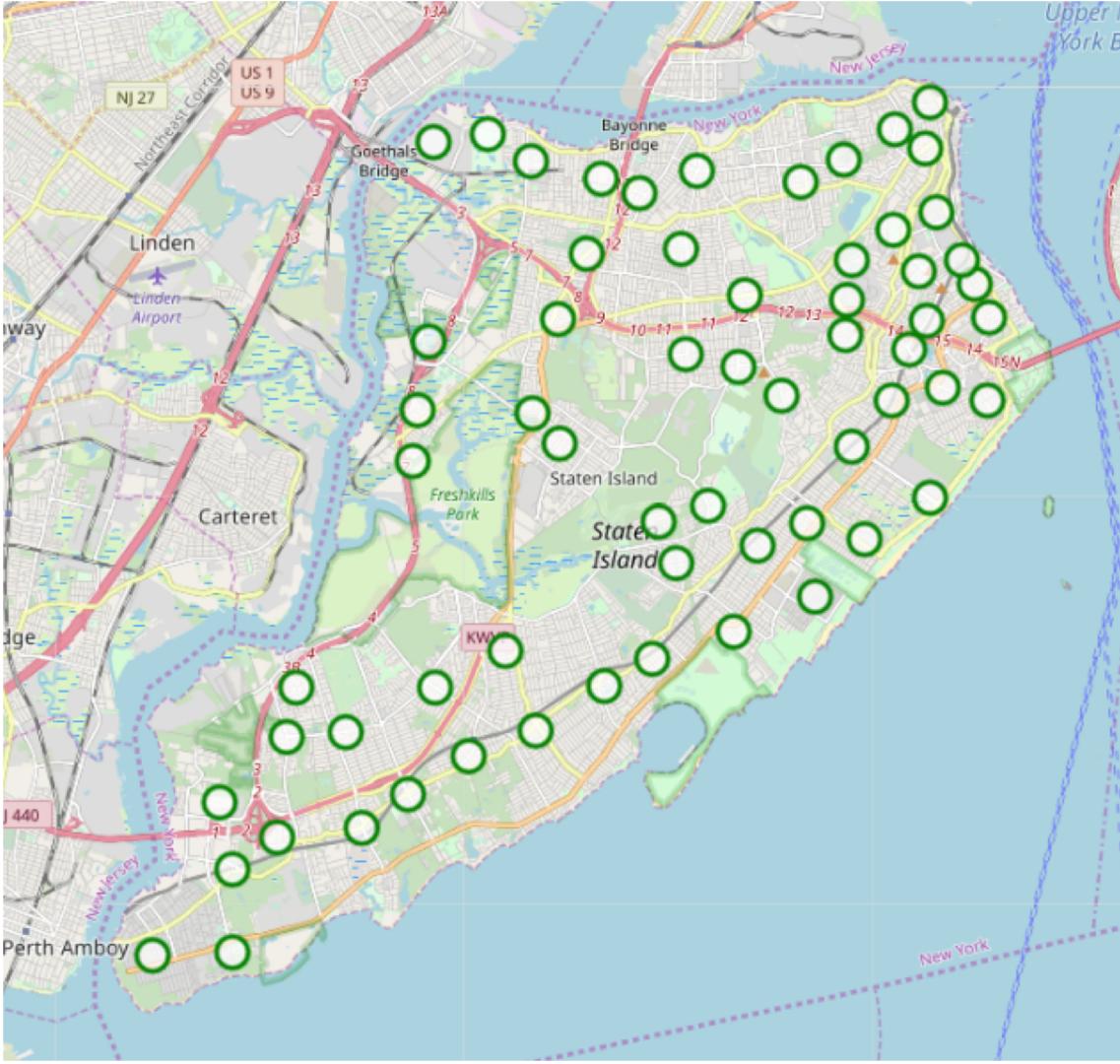
- NYC Open Data - <https://data.cityofnewyork.us/Public-Safety/NYPD-Arrest-Data-Year-to-Date-/uip8-fykc>
- NYC Neighbourhood Names and GeoLocations -
https://geo.nyu.edu/catalog/nyu_2451_34572 (however this one is also available here: https://cocl.us/new_york_dataset)
- Foursquare API

Which one is safer?

Based on the NYC Open Data the safest Borough is Staten Island:

District	Count
Brooklyn	58288
Manhattan	53915
Bronx	48815
Queens	44567
Staten Island	9032

Neighborhoods of Staten Island



We have found
some places
which are
important to
Janek

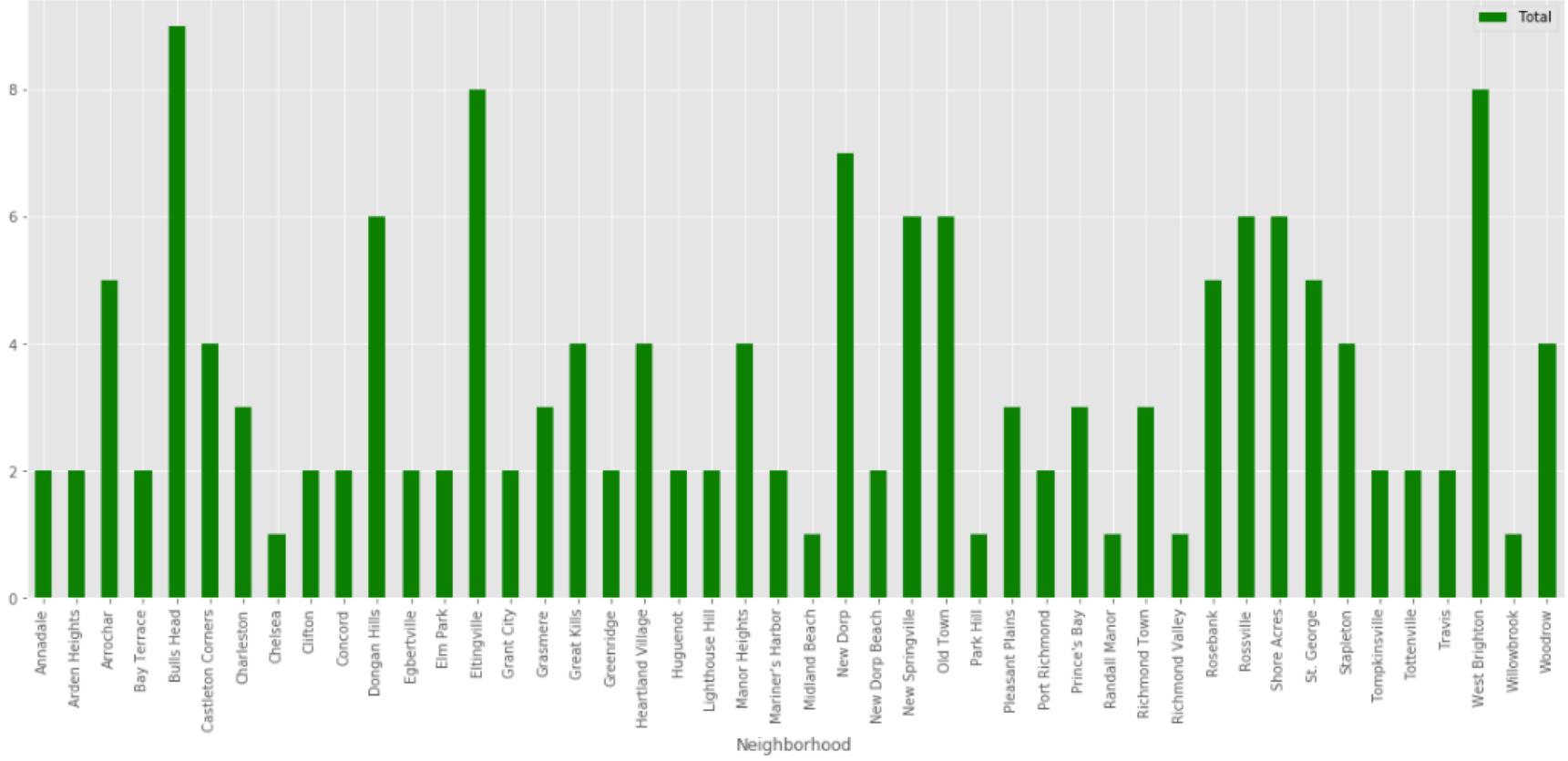
	Neighborhood	Neighborhood Latitude	Neighborhood Longitude	Venue	Venue Latitude	Venue Longitude	Venue Category
0	St. George	40.644982	-74.079353	A&S Pizzeria	40.643940	-74.077626	Pizza Place
1	St. George	40.644982	-74.079353	Enoteca Maria	40.641941	-74.077320	Italian Restaurant
2	St. George	40.644982	-74.079353	Marie's 2	40.642176	-74.076669	Italian Restaurant
3	St. George	40.644982	-74.079353	Starbucks	40.644745	-74.074488	Coffee Shop
4	St. George	40.644982	-74.079353	Dunkin'	40.643821	-74.077403	Donut Shop
5	Stapleton	40.626928	-74.077902	The Hop Shoppe	40.629034	-74.079758	Beer Bar
6	Stapleton	40.626928	-74.077902	Bari's Pizza & Pasta	40.627296	-74.076307	Pizza Place
7	Stapleton	40.626928	-74.077902	Dunkin'	40.631129	-74.076879	Donut Shop
8	Stapleton	40.626928	-74.077902	Duzer's Local Café and Market	40.628615	-74.079823	Café
9	Rosebank	40.615305	-74.069805	Pronto Pizza	40.616449	-74.067943	Pizza Place
10	Rosebank	40.615305	-74.069805	Tony's Brick Oven Pizzeria	40.615180	-74.067279	Italian Restaurant
11	Rosebank	40.615305	-74.069805	Bin 5	40.613278	-74.065459	Italian Restaurant
12	Rosebank	40.615305	-74.069805	Korzo Klub	40.618819	-74.069430	Eastern European Restaurant
13	Rosebank	40.615305	-74.069805	Bagels By The Bay	40.613189	-74.065463	Bagel Shop
14	West Brighton	40.631879	-74.107182	Panini Grill	40.630137	-74.108156	Italian Restaurant

A slice of the acquired data

For each venue
of interest we
give 1 point.
Total number
of points is in
the last
column.

	Neighborhood	Bagel Shop	Beer Bar	Café	Coffee Shop	Donut Shop	Eastern European Restaurant	Italian Restaurant	Pizza Place	Polish Restaurant	Total
0	Annadale	0	0	0	0	0	0	0	2	0	2
1	Arden Heights	0	0	0	1	0	0	0	1	0	2
2	Arrochar	1	0	0	0	0	0	2	1	1	5
3	Bay Terrace	0	0	0	0	1	0	1	0	0	2
4	Bulls Head	1	0	1	1	1	0	1	4	0	9
5	Castleton Corners	1	0	0	0	0	0	0	3	0	4
6	Charleston	0	0	0	1	1	0	0	1	0	3
7	Chelsea	0	0	0	0	0	0	1	0	0	1
8	Clifton	0	0	0	0	0	1	0	1	0	2
9	Concord	1	0	0	1	0	0	0	0	0	2
10	Dongan Hills	2	0	0	0	0	0	2	2	0	6

Let's visualize the data



Best choices!

- Bulls Head
- Eltingville
- New Dorp
- West Brighton.

Where are
those places?

