**The Battle of Neighborhoods**

# Introduction

Sometimes we have to change our location because of many reasons: work, study, family… This project will help someone to understand how similar two areas from different cities are. As an example, we will try to compare two areas of two cities: Moscow and New York. Similarity of two areas can help to make a decision about migration from one city to another or about business expansion or just can provide some interesting information about two areas from different sides of the globe.

# Data

Most of initial information will be scraped from Wikipedia - free and open data source. Most detailed information about every location will be obtained using Foursquare API.

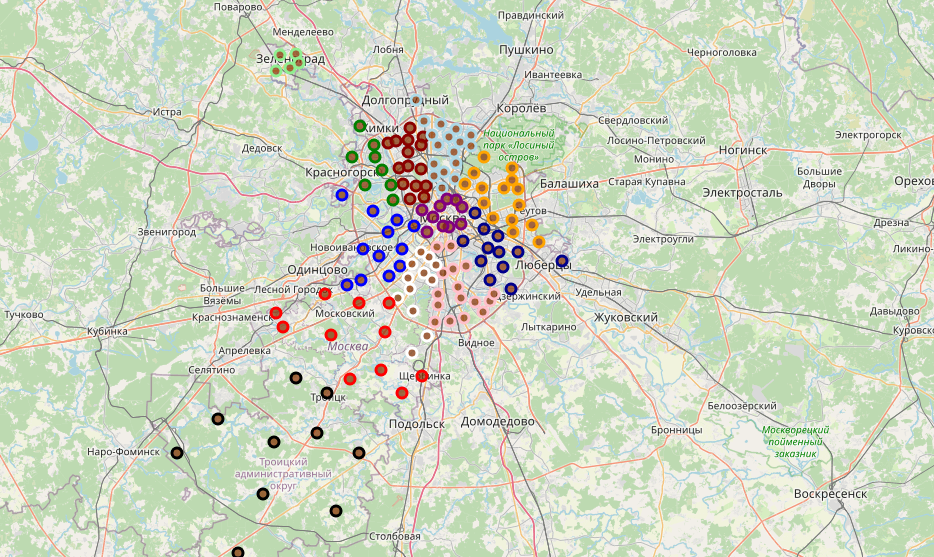
Based on definition of our problem following data sources will be needed to extract/generate the required information:

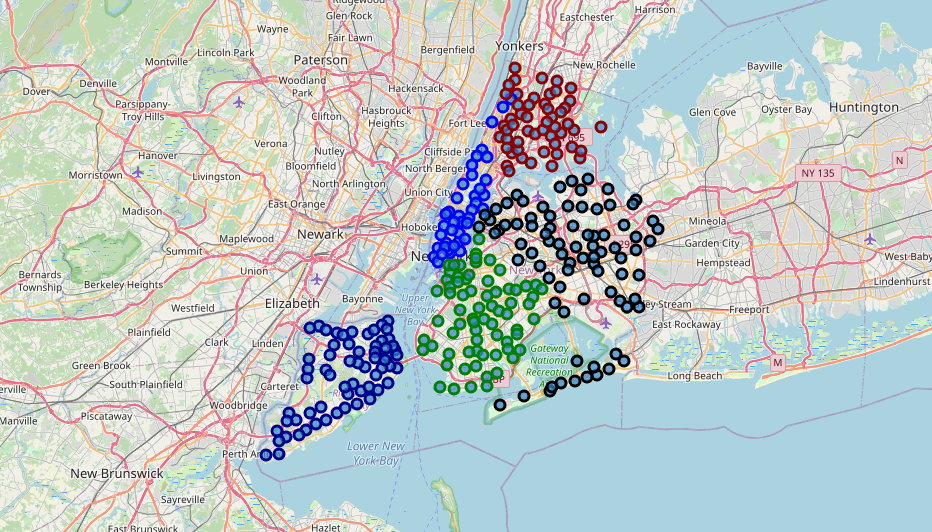
* geographical coordinates of the studied cities
* territory division
* initial information about every area

New York City (NYC) is the most populous city in the United States. With an estimated 2018 population of 8,398,748 distributed over a land area of about 302.6 square miles (784 km2), New York is also the most densely populated major city in the United States. A global power city, New York City has been described as the cultural, financial, and media capital of the world, and exerts a significant impact upon commerce, entertainment, research, technology, education, politics, tourism, art, fashion, and sports. Situated on one of the world's largest natural harbors, New York City consists of five boroughs, each of which is a separate county of the State of New York. The five boroughs – Brooklyn, Queens, Manhattan, The Bronx, and Staten Island – were consolidated into a single city in 1898.

Moscow is the capital and most populous city of Russia, with approximately 12.6 million residents within the city limits. Moscow is the northernmost and coldest megacity on the Earth. Moscow is a major political, economic, cultural, and scientific center of Russia and Eastern Europe. It is the second-most populous city in Europe, the most populous city entirely within Europe, as well as the largest city (by area) on the European continent. Moscow has been ranked as the ninth most expensive city in the world and has one of the world's largest urban economies, being ranked as an alpha global city, and is also one of the fastest growing tourist destinations in the world. Moscow is home to the third-highest number of billionaires of any city in the world, and has the highest number of billionaires of any city in Europe. The city of Moscow is divided into twelve administrative okrugs. By its territorial expansion on July 1, 2012 southwest into the Moscow Oblast, the area of the capital more than doubled, going from 1,091 to 2,511 square kilometers (421 to 970 sq mi), resulting in Moscow becoming the largest city on the European continent by area; it also gained an additional population of 233,000 people.

First, we have to understand territory division of two cities to understand which areas should be explored. Then every area should be explored to define initial criteria of similarity. In the end - detailed exploration of chosen areas. Let’s look at two maps of Moscow and NYC with territory division (different colors – different Administrative Okrug (in Moscow) and boroughs (in NYC):





Now let’s have a look at numbers, which describes colored areas:

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Borough | Land area km² | % of all area | Place by area | Population | % of all population | Place by population | Density pers/km² | Place by density |
| 0 | The Bronx | 109.04 | 13.91 | 4 | 1418207 | 17.01 | 4 | 13006 | 3 |
| 1 | Brooklyn | 183.42 | 23.40 | 2 | 2559903 | 30.71 | 1 | 13957 | 2 |
| 2 | Manhattan | 59.13 | 7.54 | 5 | 1628706 | 19.54 | 3 | 27544 | 1 |
| 3 | Queens | 281.09 | 35.86 | 1 | 2253858 | 27.03 | 2 | 8018 | 4 |
| 4 | Staten Island | 151.18 | 19.29 | 3 | 476143 | 5.71 | 5 | 3150 | 5 |
| 5 | City of New York | 783.83 | 100.00 |  | 8336817 | 100.00 |  | 10636 |  |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Administrative Okrug | Land area km² | % of all area | Place by area | Population | % of all population | Place by population | Density pers/km² | Place by density |
| 0 | Central | 66.18 | 22678 | 11 | 783886 | 43252 | 9 | 11845.56 | 5 |
| 1 | Northern | 113.73 | 18354 | 7 | 1188312 | 13759 | 7 | 10448.90 | 7 |
| 2 | North-Eastern | 101.88 | 43894 | 9 | 1434842 | 11994 | 4 | 14083.23 | 1 |
| 3 | Eastern | 154.84 | 41426 | 3 | 1527316 | 43963 | 2 | 9864.12 | 8 |
| 4 | South-Eastern | 117.56 | 23833 | 6 | 1433828 | 11628 | 5 | 12196.59 | 4 |
| 5 | Southern | 131.77 | 44682 | 5 | 1796267 | 14.17 | 1 | 13631.54 | 2 |
| 6 | South-Western | 111.36 | 15067 | 8 | 1448130 | 15646 | 3 | 13003.78 | 3 |
| 7 | Wester | 153.03 | 43988 | 4 | 1397114 | 43872 | 6 | 9129.42 | 9 |
| 8 | North-Western | 93.28 | 25263 | 10 | 1012949 | 36342 | 8 | 10859.11 | 6 |
| 9 | Zelenogradsky | 37.20 | 17168 | 12 | 250453 | 35796 | 11 | 6732.63 | 10 |
| # | Troitsky | 1084.34 | 42.92 | 1 | 130812 | 43891 | 12 | 120.64 | 12 |
| # | Novomoskovsky | 361.36 | 14.30 | 2 | 274140 | 42401 | 10 | 758.63 | 11 |
| # | All Moscow | 2526.53 | 100.00 |  | 12678079 | 100.00 |  | 4993.10 |  |

If we will use such features as land area, population and density to find similar areas, then we will stop on two candidates for further study:

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Name | Land area km² | % of all area | Place by area | Population | % of all population | Place by population | Density pers/km² | Place by density |
| South-Eastern | 117.56 | 23833 | 6 | 1433828 | 11628 | 5 | 12196.59 | 4 |
| The Bronx | 109.04 | 13.91 | 4 | 1418207 | 43847 | 4 | 13006.00 | 3 |

And now let’s inspect neighborhoods of selected areas:

New York City:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Borough | Neighborhood | Latitude | Longitude |
| 0 | Bronx | Wakefield | 40.894705 | -73.847201 |
| 1 | Bronx | Co-op City | 40.874294 | -73.829939 |
| 2 | Bronx | Eastchester | 40.887556 | -73.827806 |
| 3 | Bronx | Fieldston | 40.895437 | -73.905643 |
| 4 | Bronx | Riverdale | 40.890834 | -73.912585 |
| 5 | Bronx | Kingsbridge | 40.881687 | -73.902818 |
| 6 | Bronx | Woodlawn | 40.898273 | -73.867315 |
| 7 | Bronx | Norwood | 40.877224 | -73.879391 |
| 8 | Bronx | Williamsbridge | 40.881039 | -73.857446 |
| 9 | Bronx | Baychester | 40.866858 | -73.835798 |
| 10 | Bronx | Pelham Parkway | 40.857413 | -73.854756 |
| 11 | Bronx | City Island | 40.847247 | -73.786488 |
| 12 | Bronx | Bedford Park | 40.870185 | -73.885512 |
| 13 | Bronx | University Heights | 40.855727 | -73.910416 |
| 14 | Bronx | Morris Heights | 40.847898 | -73.919672 |
| 15 | Bronx | Fordham | 40.860997 | -73.896427 |
| 16 | Bronx | East Tremont | 40.842696 | -73.887356 |
| 17 | Bronx | West Farms | 40.839475 | -73.877745 |
| 18 | Bronx | High Bridge | 40.836623 | -73.926102 |
| 19 | Bronx | Melrose | 40.819754 | -73.909422 |
| 20 | Bronx | Mott Haven | 40.806239 | -73.916100 |
| 21 | Bronx | Port Morris | 40.801664 | -73.913221 |
| 22 | Bronx | Longwood | 40.815099 | -73.895788 |
| 23 | Bronx | Hunts Point | 40.809730 | -73.883315 |
| 24 | Bronx | Morrisania | 40.823592 | -73.901506 |
| 25 | Bronx | Soundview | 40.821012 | -73.865746 |
| 26 | Bronx | Clason Point | 40.806551 | -73.854144 |
| 27 | Bronx | Throgs Neck | 40.815109 | -73.816350 |
| 28 | Bronx | Country Club | 40.844246 | -73.824099 |
| 29 | Bronx | Parkchester | 40.837938 | -73.856003 |
| 30 | Bronx | Westchester Square | 40.840619 | -73.842194 |
| 31 | Bronx | Van Nest | 40.843608 | -73.866299 |
| 32 | Bronx | Morris Park | 40.847549 | -73.850402 |
| 33 | Bronx | Belmont | 40.857277 | -73.888452 |
| 34 | Bronx | Spuyten Duyvil | 40.881395 | -73.917190 |
| 35 | Bronx | North Riverdale | 40.908543 | -73.904531 |
| 36 | Bronx | Pelham Bay | 40.850641 | -73.832074 |
| 37 | Bronx | Schuylerville | 40.826580 | -73.826203 |
| 38 | Bronx | Edgewater Park | 40.821986 | -73.813885 |
| 39 | Bronx | Castle Hill | 40.819014 | -73.848027 |
| 40 | Bronx | Olinville | 40.871371 | -73.863324 |
| 41 | Bronx | Pelham Gardens | 40.862966 | -73.841612 |
| 42 | Bronx | Concourse | 40.834284 | -73.915589 |
| 43 | Bronx | Unionport | 40.829774 | -73.850535 |
| 44 | Bronx | Edenwald | 40.884561 | -73.848083 |
| 45 | Bronx | Claremont Village | 40.831428 | -73.901199 |
| 46 | Bronx | Concourse Village | 40.824780 | -73.915847 |
| 47 | Bronx | Mount Eden | 40.843826 | -73.916556 |
| 48 | Bronx | Mount Hope | 40.848842 | -73.908299 |
| 49 | Bronx | Bronxdale | 40.852723 | -73.861726 |
| 50 | Bronx | Allerton | 40.865788 | -73.859319 |
| 51 | Bronx | Kingsbridge Heights | 40.870392 | -73.901523 |

Moscow:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Okrug | District | Latitude | Longitude |
| 0 | South-Eastern Administrative Okrug | Kuzminki District | 55.698318 | 37.771701 |
| 1 | South-Eastern Administrative Okrug | Tekstilshchiki District | 55.703181 | 37.740592 |
| 2 | South-Eastern Administrative Okrug | Lyublino District | 55.674310 | 37.782028 |
| 3 | South-Eastern Administrative Okrug | Kapotnya District | 55.640648 | 37.804027 |
| 4 | South-Eastern Administrative Okrug | Maryino District | 55.654828 | 37.747228 |
| 5 | South-Eastern Administrative Okrug | Pechatniki District | 55.684054 | 37.722773 |
| 6 | South-Eastern Administrative Okrug | Vykhino-Zhulebino District | 55.698397 | 37.824332 |
| 7 | South-Eastern Administrative Okrug | Ryazansky District | 55.722183 | 37.768830 |
| 8 | South-Eastern Administrative Okrug | Nizhegorodsky District | 55.732842 | 37.729088 |
| 9 | South-Eastern Administrative Okrug | Lefortovo District | 55.757399 | 37.704932 |
| 10 | South-Eastern Administrative Okrug | Yuzhnoportovy District | 55.714477 | 37.672121 |
| 11 | South-Eastern Administrative Okrug | Nekrasovka District | 55.683056 | 37.943889 |

And here we faced with another problem: South-Eastern area in Moscow has 12 districts and Bronx Area from New York has 52 neighborhoods. Comparison of 12 and 52 areas will not be fair. So, let's use postal offices coordinates from these 12 districts. It will let us to increase number of points inside study area. Let's take some data from <https://data.mos.ru/opendata/1095> :

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Borough | Neighborhood | Latitude | Longitude |
| 0 | South-Eastern Administrative Okrug | Lefortovo District\_OPS\_20 | 55.766902 | 37.716897 |
| 1 | South-Eastern Administrative Okrug | Lefortovo District\_OPS\_24 | 55.750886 | 37.717184 |
| 2 | South-Eastern Administrative Okrug | Lefortovo District\_OPS\_33 | 55.758889 | 37.687112 |
| 3 | South-Eastern Administrative Okrug | Nizhegorodsky District\_OPS\_52 | 55.730655 | 37.721188 |
| 4 | South-Eastern Administrative Okrug | Yuzhnoportovy District\_OPS\_88 | 55.716392 | 37.676188 |
| 5 | South-Eastern Administrative Okrug | Lefortovo District\_OPS\_94 | 55.774971 | 37.705207 |
| 6 | South-Eastern Administrative Okrug | Lefortovo District\_OPS\_116 | 55.757716 | 37.713793 |
| 7 | South-Eastern Administrative Okrug | Kuzminki District\_OPS\_117 | 55.711558 | 37.755294 |
| 8 | South-Eastern Administrative Okrug | Tekstilshchiki District\_OPS\_125 | 55.712107 | 37.744124 |
| 9 | South-Eastern Administrative Okrug | Tekstilshchiki District\_OPS\_129 | 55.704555 | 37.743256 |
| 10 | South-Eastern Administrative Okrug | Maryino District\_OPS\_144 | 55.646297 | 37.737567 |
| 11 | South-Eastern Administrative Okrug | Vykhino-Zhulebino District\_OPS\_145 | 55.699512 | 37.842421 |
| 12 | South-Eastern Administrative Okrug | Vykhino-Zhulebino District\_OPS\_153 | 55.699180 | 37.854432 |
| 13 | South-Eastern Administrative Okrug | Vykhino-Zhulebino District\_OPS\_156 | 55.689681 | 37.854647 |
| 14 | South-Eastern Administrative Okrug | Nizhegorodsky District\_OPS\_202 | 55.736268 | 37.752902 |
| 15 | South-Eastern Administrative Okrug | Lefortovo District\_OPS\_229 | 55.772342 | 37.706777 |
| 16 | South-Eastern Administrative Okrug | Pechatniki District\_OPS\_235 | 55.654217 | 37.701454 |
| 17 | South-Eastern Administrative Okrug | Lefortovo District\_OPS\_250 | 55.758164 | 37.697742 |
| 18 | South-Eastern Administrative Okrug | Tekstilshchiki District\_OPS\_263 | 55.698670 | 37.746531 |
| 19 | South-Eastern Administrative Okrug | Maryino District\_OPS\_341 | 55.658006 | 37.748041 |
| 20 | South-Eastern Administrative Okrug | Maryino District\_OPS\_369 | 55.651824 | 37.731223 |
| 21 | South-Eastern Administrative Okrug | Ryazansky District\_OPS\_377 | 55.715121 | 37.789442 |
| 22 | South-Eastern Administrative Okrug | Kuzminki District\_OPS\_378 | 55.707734 | 37.781858 |
| 23 | South-Eastern Administrative Okrug | Lyublino District\_OPS\_380 | 55.673368 | 37.810454 |
| 24 | South-Eastern Administrative Okrug | Lyublino District\_OPS\_382 | 55.672172 | 37.740573 |
| 25 | South-Eastern Administrative Okrug | Pechatniki District\_OPS\_383 | 55.673078 | 37.721765 |
| 26 | South-Eastern Administrative Okrug | Lyublino District\_OPS\_384 | 55.679066 | 37.776422 |
| 27 | South-Eastern Administrative Okrug | Lyublino District\_OPS\_386 | 55.679189 | 37.759394 |
| 28 | South-Eastern Administrative Okrug | Lyublino District\_OPS\_387 | 55.682897 | 37.738899 |
| 29 | South-Eastern Administrative Okrug | Pechatniki District\_OPS\_388 | 55.679596 | 37.726240 |
| 30 | South-Eastern Administrative Okrug | Pechatniki District\_OPS\_389 | 55.680131 | 37.717033 |
| 31 | South-Eastern Administrative Okrug | Tekstilshchiki District\_OPS\_390 | 55.699592 | 37.736062 |
| 32 | South-Eastern Administrative Okrug | Nizhegorodsky District\_OPS\_391 | 55.731236 | 37.749364 |
| 33 | South-Eastern Administrative Okrug | Vykhino-Zhulebino District\_OPS\_417 | 55.708493 | 37.825720 |
| 34 | South-Eastern Administrative Okrug | Ryazansky District\_OPS\_428 | 55.723722 | 37.780064 |
| 35 | South-Eastern Administrative Okrug | Kapotnya District\_OPS\_429 | 55.634246 | 37.801711 |
| 36 | South-Eastern Administrative Okrug | Vykhino-Zhulebino District\_OPS\_431 | 55.685988 | 37.850475 |
| 37 | South-Eastern Administrative Okrug | Yuzhnoportovy District\_OPS\_432 | 55.703189 | 37.672776 |
| 38 | South-Eastern Administrative Okrug | Kuzminki District\_OPS\_439 | 55.702855 | 37.781148 |
| 39 | South-Eastern Administrative Okrug | Kuzminki District\_OPS\_443 | 55.704431 | 37.769198 |
| 40 | South-Eastern Administrative Okrug | Vykhino-Zhulebino District\_OPS\_444 | 55.703970 | 37.817886 |
| 41 | South-Eastern Administrative Okrug | Maryino District\_OPS\_451 | 55.659505 | 37.759592 |
| 42 | South-Eastern Administrative Okrug | Ryazansky District\_OPS\_456 | 55.718949 | 37.786010 |
| 43 | South-Eastern Administrative Okrug | Kuzminki District\_OPS\_457 | 55.711495 | 37.773155 |
| 44 | South-Eastern Administrative Okrug | Kuzminki District\_OPS\_462 | 55.701718 | 37.762494 |
| 45 | South-Eastern Administrative Okrug | Maryino District\_OPS\_469 | 55.654143 | 37.763581 |
| 46 | South-Eastern Administrative Okrug | Vykhino-Zhulebino District\_OPS\_472 | 55.694850 | 37.803088 |
| 47 | South-Eastern Administrative Okrug | Vykhino-Zhulebino District\_OPS\_507 | 55.694053 | 37.817304 |
| 48 | South-Eastern Administrative Okrug | Tekstilshchiki District\_OPS\_518 | 55.719273 | 37.732725 |
| 49 | South-Eastern Administrative Okrug | Vykhino-Zhulebino District\_OPS\_542 | 55.714755 | 37.808859 |
| 50 | South-Eastern Administrative Okrug | Pechatniki District\_OPS\_548 | 55.693651 | 37.719664 |
| 51 | South-Eastern Administrative Okrug | Lyublino District\_OPS\_559 | 55.677403 | 37.763260 |
| 52 | South-Eastern Administrative Okrug | Kapotnya District\_OPS\_649 | 55.630564 | 37.798656 |
| 53 | South-Eastern Administrative Okrug | Maryino District\_OPS\_651 | 55.647640 | 37.720248 |
| 54 | South-Eastern Administrative Okrug | Maryino District\_OPS\_652 | 55.651113 | 37.749052 |
| 55 | South-Eastern Administrative Okrug | Nekrasovka District\_OPS\_674 | 55.683134 | 37.926576 |

Now we have 56 points, which is close to number of neighborhoods in New York.

# Methodology and analysis

We are trying to compare two areas of biggest cities to understand how similar these areas are. Such information will be useful when you are trying to change living location to be sure that familiar things are nearby, or for example to understand is it possible to expand your business there - open a cafe, bar or gym.

By now we have collected some data about cities. We have learned about land area and population of districts inside cities. Based on this knowledge we have chosen two districts similar by land area and population.

Next, we will try to use Foursquare API to get more knowledge about chosen areas - venues around every point.

Similarity of these areas will be evaluated after venue clusterisation after getting data from Foursquare API.

After using Foursquare API for 500 meters around of all of our point we get 243 unique categories. These categories then go to one hot encoding:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Neighborhood | Accessories Store | African Restaurant | American Restaurant | Women's Store | Yoga Studio |
| 0 | Lefortovo District\_OPS\_20 | 0 | 0 | 0 | 0 | 0 |
| 1 | Lefortovo District\_OPS\_20 | 0 | 0 | 0 | 0 | 0 |
| 2 | Lefortovo District\_OPS\_20 | 0 | 0 | 0 | 0 | 0 |
| 3 | Lefortovo District\_OPS\_20 | 0 | 0 | 0 | 0 | 0 |
| 4 | Lefortovo District\_OPS\_20 | 0 | 0 | 0 | 0 | 0 |

and group rows by neighborhood by taking the mean of the frequency of occurrence of each category:

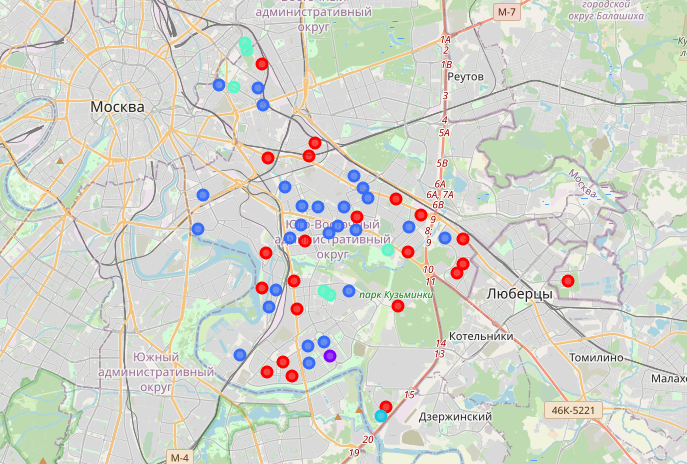
|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Neighborhood | American Restaurant | Arcade | Arepa Restaurant | Art Gallery | Women's Store | Yoga Studio |
| 0 | Allerton | 0.0 | 0.000000 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1 | Baychester | 0.0 | 0.047619 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2 | Bedford Park | 0.0 | 0.000000 | 0.0 | 0.0 | 0.0 | 0.0 |

After taking each neighborhood along with the top 5 most common venues and putting them together in pandas dataframe we get:

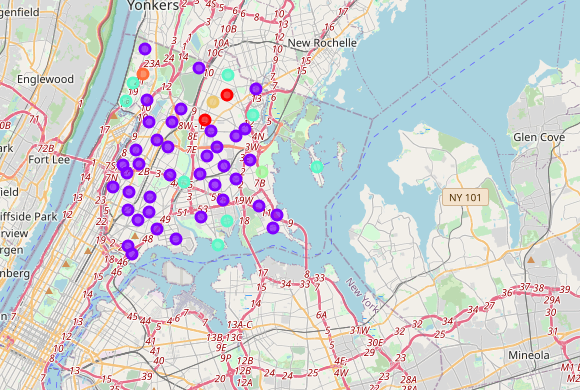
|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Neighborhood | 1st Most Common Venue | 2nd Most Common Venue | 3rd Most Common Venue | 4th Most Common Venue | 5th Most Common Venue |
| 0 | Allerton | Pizza Place | Cosmetics Shop | Deli / Bodega | Bus Station | Supermarket |
| 1 | Baychester | Donut Shop | Spanish Restaurant | Gym / Fitness Center | Bus Station | Mattress Store |
| 2 | Bedford Park | Mexican Restaurant | Diner | Deli / Bodega | Pizza Place | Spanish Restaurant |
| 3 | Belmont | Italian Restaurant | Pizza Place | Deli / Bodega | Bakery | Bank |
| 4 | Bronxdale | Pizza Place | Bank | Performing Arts Venue | Paper / Office Supplies Store | Chinese Restaurant |

Clusterization will be done by 8 clusters. After clusterization we get draw two maps with colored clusters in each city:

Moscow



New York City



If we will try to compare results by colors - we can see that these two areas have nothing similar. Let's inspect frequency of each cluster in both cities:

New York City clusters and frequency:

1 39

4 8

0 2

7 1

6 1

5 1

Moscow clusters and frequency:

2 26

0 22

4 6

3 1

1 1

Most popular clusters in NY are 1 and 4 (and it's 39+8=47 places (47/52\*100% = 90,4% of all)) and most popular clusters in Moscow are 2 and 0 (it's 26+22=48 places (85,7% of all), very similar quantity to NY).

If inspect 5 most common venues for every point in each of these four clusters: 1 and 4 for NY and 2 and 0 for Moscow, then we count frequency of each venue in two clusters for every city and show first 15 rows – we get complete comparison:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Moscow Place | Moscow counts | NY Place | NY counts |
| 0 | Supermarket | 29 | Pizza Place | 28 |
| 1 | Pizza Place | 11 | Deli / Bodega | 14 |
| 2 | Gym / Fitness Center | 11 | Pharmacy | 13 |
| 3 | Food & Drink Shop | 9 | Donut Shop | 12 |
| 4 | Cosmetics Shop | 7 | Bus Station | 11 |
| 5 | Fast Food Restaurant | 7 | Grocery Store | 11 |
| 6 | Park | 7 | Bank | 10 |
| 7 | Bus Stop | 7 | Spanish Restaurant | 7 |
| 8 | Pharmacy | 6 | Italian Restaurant | 6 |
| 9 | Convenience Store | 6 | Sandwich Place | 6 |
| 10 | Mobile Phone Shop | 5 | Park | 6 |
| 11 | Sushi Restaurant | 5 | Chinese Restaurant | 6 |
| 12 | Café | 5 | Fast Food Restaurant | 6 |
| 13 | Clothing Store | 4 | Supermarket | 5 |
| 14 | Soccer Field | 4 | Mexican Restaurant | 5 |

# Results and discussion

Achieved results show us that two areas a very different with only 30% of similar places in top 15 places of each area. They are different after comparison of most common places in almost the same quantity of small areas inside of each big area. Though some places has different types, but they have similar idea – fast food and sandwich place, Spanish/Italian/Mexican restaurants and Sushi restaurants, supermarkets and deli/bodega with grocery store… It’s not the same, but it’s somewhere similar anyway.

# Conclusion

As we can see from previous research - two areas with similar land area, population and density from two biggest cities from different sides of the globe are very different. From top 15 places of more than 85% of all common places for these areas only pizza places, pharmacy, bus stops, grocery stores and parks are present in both areas in different proporions. Such similary will allow you to eat pizza, buy pills and go to park if you will decide to change your location. But you will not be able to visit fitness center and cosmetics shop or even play football if you will migrate from Moscow to NYC, and you will not be able to buy donuts and visit spanish restaurant in case of NYC to Moscow migration. In conclusion I would like to say that location change from South-Eastern part of Moscow to The bronx in New York or vice versa will not be the easiest thing with familiar places in not familiar distance.