

# The Battle of the Neighborhoods - Report

## Helping people relocate in Brussels

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### 1. Data

The 19 municipalities of Brussels will be studied to identify those who can suit a particular European delegate.

A dataset containing all the data from Brussels Municipalities will be built.

PostalCode	Municipality	Latitude	Longitude	size(km^2)	population	Population_density	population_average_age
1000	1000 Bruxelles	50.8465573	4.351697	32.61	179797	5514	41.86
1030	Schaerbeek	50.8676041	4.3737121	8.14	131547	16161	32.99
1040	Etterbeek	50.8361447	4.3861737	3.15	48008	15241	35.75

Source are

For the list of municipalities:

[https://fr.wikipedia.org/wiki/Liste\\_des\\_communes\\_de\\_la\\_r%C3%A9gion\\_de\\_Bruxelles-Capitale](https://fr.wikipedia.org/wiki/Liste_des_communes_de_la_r%C3%A9gion_de_Bruxelles-Capitale)

For statistics about population:

<https://bestat.statbel.fgov.be/bestat/crosstable.xhtml?view=47d4f3be-0523-4a03-b062-819257075fff>

Latitude and longitude are obtained from Geopy & Nominatim.

For each municipalities we will use foursquare to find the number of restaurants, public transport stations, parks, shops and schools at proximity.

A radius of 1000m will be applied for restaurants, public transport stations and shops as it would be important to have them close to the location. For parks and schools, a radius of 2000m will be applied as it would be less important to have them quite close to the location.

Resulting data set will be in the following form

	PostalCode	Municipality	Latitude	Longitude	size(km^2)	population	Population_density	population_average_age	restaurants	schools	public_transport_station	shops	parks
0	1000	1000 Bruxelles	50.84656	4.351697	32.61	179797	5514	41.86	30	10	18	30	2
1	1030	Schaerbeek	50.8676	4.373712	8.14	131547	16161	32.99	17	6	7	10	3
2	1040	Etterbeek	50.83615	4.386174	3.15	48008	15241	35.75	25	6	8	30	2