II. Data

To study the feasibility of this project, first of all we evaluated the presence of shops in the area. To do this, we used data from the Wikipedia webpage, which will be submitted to a scrapping process.

1. List of boroughs in Oslo

Borough	Residents	Area	Number
Alna	45 114	13,7 km^2	12
Bjerke	26 229	7,7 km^2	9
Frogner	47 618	8,3 km^2	5
Gamle Oslo	39 500	7,5 km^2	1
Grorud	25 461	8,2 km^2	10
Grünerløkka	42 129	4,8 km^2	2
Nordre Aker	43 843	13,6 km^2	8
Nordstrand	44 802	16,9 km^2	14
Sagene	32 394	3,1 km^2	3
St. Hanshaugen	30 144	3,6 km^2	4
Stovner	29 351	8,2 km^2	11
Søndre Nordstrand	34 980	18,4 km^2	15
Ullern	28 898	9,4 km^2	6
Vestre Aker	42 042	16,6 km^2	7
Østensjø	44 399	12,2 km^2	13

https://en.wikipedia.org/wiki/List_of_boroughs_of_Oslo

2. List of exact locations and commercial activity

From the obtained data GEOLOCATOR will be used in order to determine the precise location of each one of the neighborhood, and to extract the sort of businesses present in the vicinity with FOURSQUARE API.

https://developer.foursquare.com/docs

The data will contain the number of business we can find in every Borough of oslo and it will be classified in categories.

The information will be compared in regard to the commercial activity of the different boroughs in Oslo by clustering analysis. From the neighborhoods, we will use Foursquare to obtain information regarding the presence of businesses which will be subjected to a clustering analysis.