Predicting the best localisation to live in

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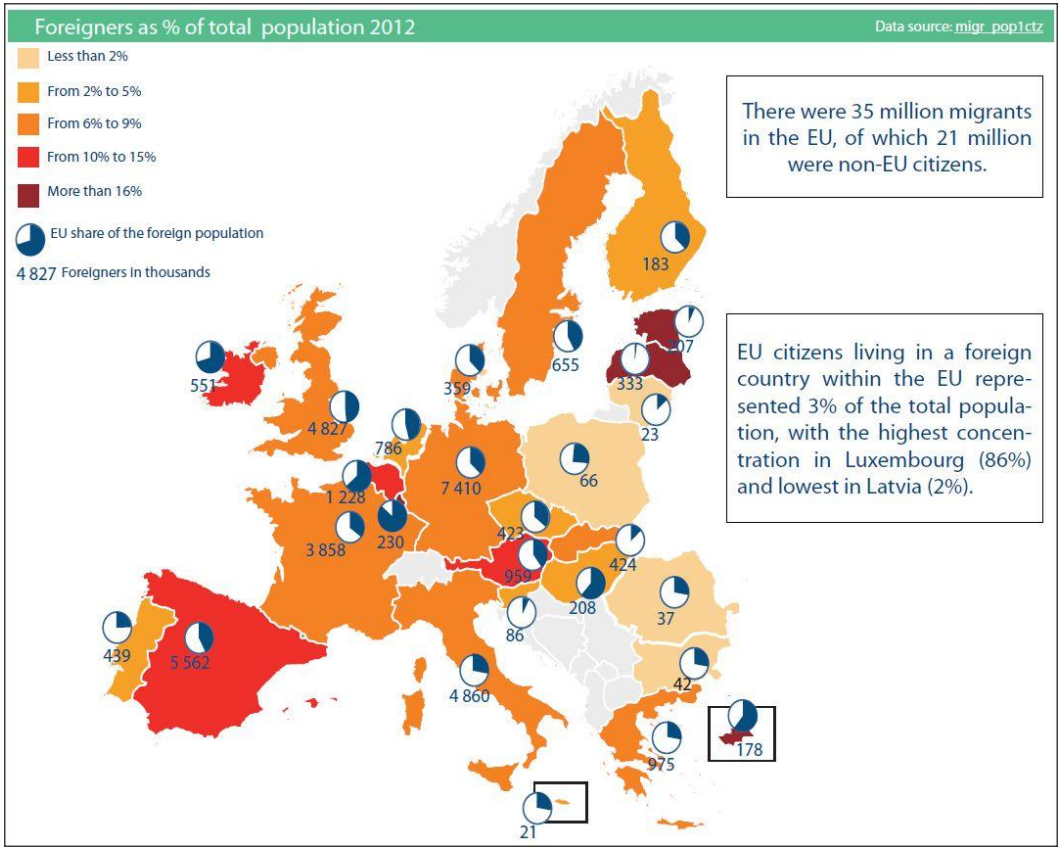
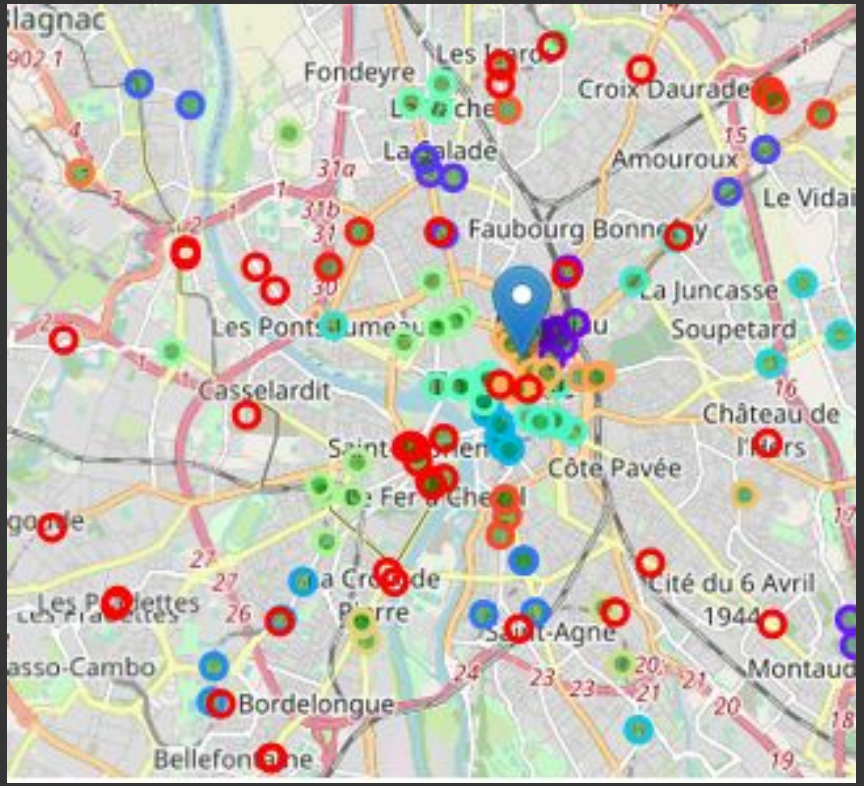
Emigration


Foreigners as % of total population 2012
Data source: migr_pop1ctz
Less than 2%
From 2% to 5%
From 6% to 9%
From 10% to 15%
More than 16%
EU share of the foreign population
4 827 Foreigners in thousands
There were 35 million migrants in the EU, of which 21 million were non-EU citizens.
EU citizens living in a foreign country within the EU represented 3% of the total population, with the highest concentration in Luxembourg (86%) and lowest in Latvia (2%).
183
655
359
551
4 827
786
1 228
3 858
230
7 410
66
423
424
959
208
37
86
439
5 562
4 860
42
178
975
21

Idea



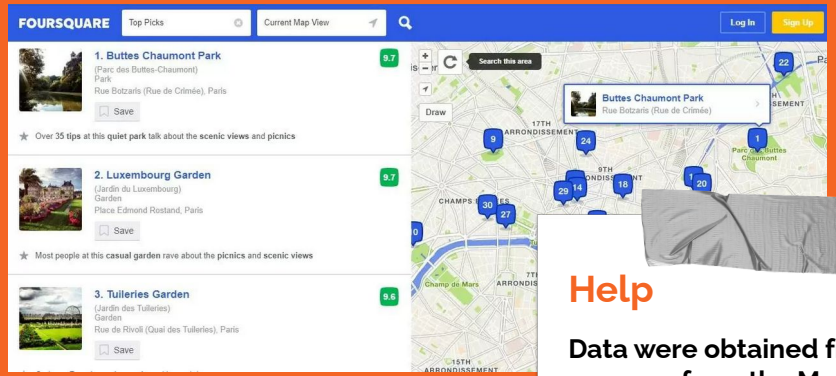
Help

The aim of the project is to find the best location to live

Taking into account selected facilities

Facilities

Data Source



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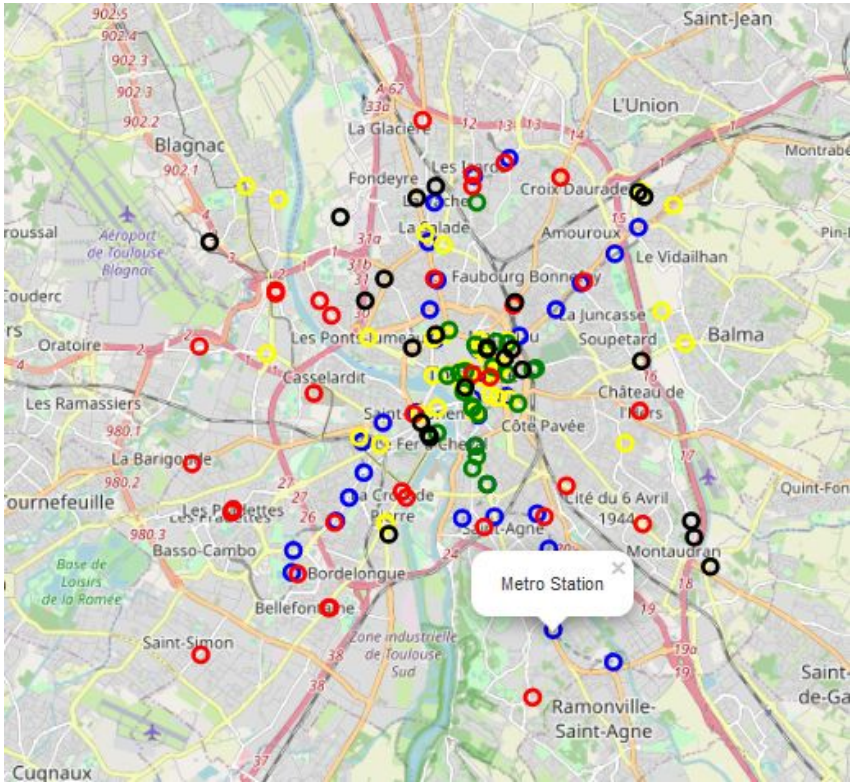
Data were obtained from 2 sources, from the Mayor of Toulouse and from the Foursqare platform.

Dava visualisation

Help

The picture shows a mape, including districts and facilities we are interested in



Processed data

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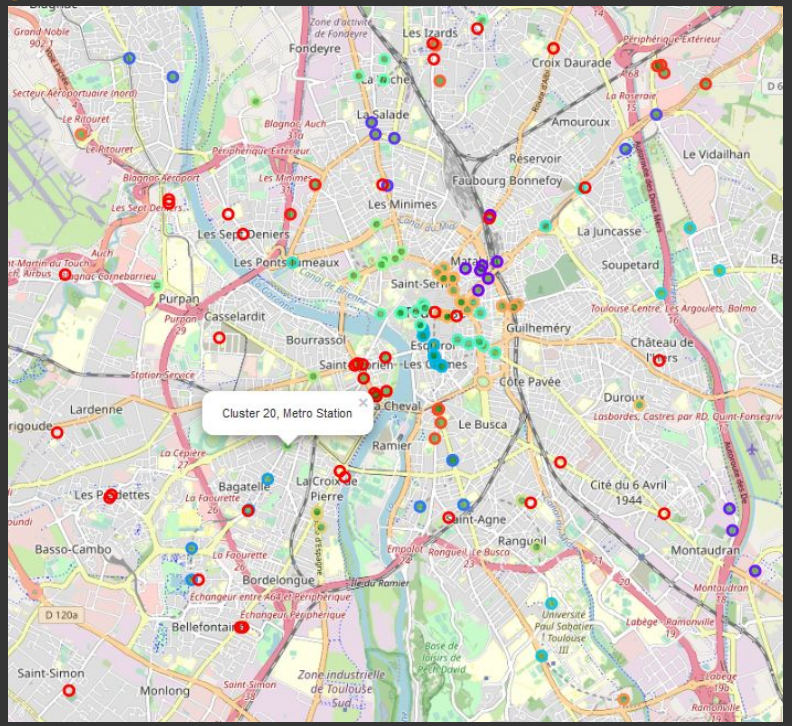
The image shows a division of the facilities including an analysis of the cluster



Data Base

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The data base presents filtered data, taking into account the frequency of occurrence of points of interest in the given cluster.

	Cluster Labels	Name of Kebab	freq_kebab	Name of Sushi	freq_sushi	Name of Gym	freq_gym	Name of Metro	freq_metro	Total
0	0	Kebab	1.0	Sushi	2.0	Gym	3.0	Metro Station	1.0	7.0
1	1	Kebab	2.0	Sushi	1.0	Gym	3.0	Metro Station	1.0	7.0
2	2	0	0.0	0	0.0	Gym	3.0	0	0.0	3.0
3	3	0	0.0	Sushi	2.0	0	0.0	Metro Station	2.0	4.0
4	4	0	0.0	0	0.0	0	0.0	Metro Station	2.0	2.0
5	5	0	0.0	Sushi	2.0	0	0.0	0	0.0	2.0
6	6	Kebab	1.0	0	0.0	0	0.0	Metro Station	3.0	4.0
7	7	0	0.0	0	0.0	0	0.0	Metro Station	2.0	2.0
8	8	0	0.0	0	0.0	0	0.0	Metro Station	2.0	2.0
9	9	Kebab	4.0	Sushi	3.0	Gym	1.0	Metro Station	2.0	10.0
10	10	0	0.0	0	0.0	0	0.0	Metro Station	2.0	2.0
11	11	0	0.0	Sushi	2.0	Gym	1.0	0	0.0	3.0
12	12	0	0.0	Sushi	1.0	0	0.0	0	0.0	1.0
13	13	0	0.0	0	0.0	0	0.0	Metro Station	2.0	2.0
14	14	Kebab	2.0	Sushi	3.0	0	0.0	Metro Station	1.0	6.0
15	15	Kebab	3.0	Sushi	4.0	0	0.0	0	0.0	7.0
16	16	0	0.0	0	0.0	Gym	2.0	Metro Station	1.0	3.0
17	17	0	0.0	0	0.0	0	0.0	Metro Station	1.0	1.0
18	18	0	0.0	Sushi	1.0	0	0.0	0	0.0	1.0
19	19	Kebab	1.0	Sushi	2.0	Gym	2.0	Metro Station	2.0	7.0
20	20	0	0.0	Sushi	2.0	0	0.0	Metro Station	3.0	5.0
21	21	0	0.0	0	0.0	Gym	1.0	0	0.0	1.0
22	22	0	0.0	0	0.0	0	0.0	Metro Station	2.0	2.0
23	23	0	0.0	Sushi	2.0	Gym	1.0	0	0.0	3.0
24	24	0	0.0	Sushi	1.0	0	0.0	0	0.0	1.0
25	25	Kebab	2.0	Sushi	7.0	Gym	2.0	Metro Station	3.0	14.0
26	26	Kebab	2.0	0	0.0	Gym	1.0	0	0.0	3.0
27	27	0	0.0	0	0.0	0	0.0	Metro Station	1.0	1.0
28	28	0	0.0	0	0.0	Gym	1.0	0	0.0	1.0
29	29	Kebab	1.0	0	0.0	0	0.0	Metro Station	1.0	2.0
30	30	Kebab	3.0	0	0.0	0	0.0	Metro Station	1.0	4.0
31	31	0	0.0	Sushi	2.0	Gym	2.0	0	0.0	4.0
32	32	0	0.0	0	0.0	Gym	2.0	0	0.0	2.0

Final answer

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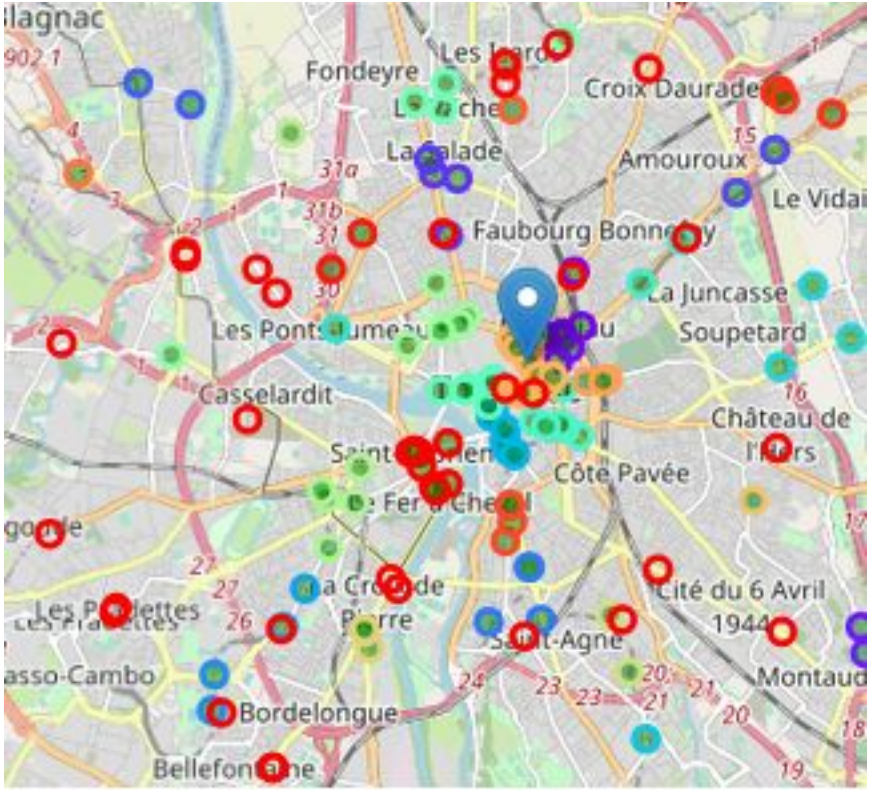
On a given map we have a marked point, which is the most interesting one



Conclusions and future directions

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Work on optimization of the algorithm and the most important addition of filtration based on the data about the price of the apartment in the selected place