

COURSERA CAPSTONE

PORTO DISTRICT RESTAURANTS

Objective

- I want to open a new Restaurant in Porto District
- I want to decide which is the best municipality place to open the new restaurant.
- My criteria is based on the amount of restaurants in each municipality vs. population density in each municipality.

Data

- Population Density

	Region	Municipality	Density
24	Porto	Arouca	63.7
25	Porto	Espinho	1401.2
26	Porto	Gondomar	1255.5
27	Porto	Maia	1654.8
28	Porto	Matosinhos	2788.6
29	Porto	Oliveira de Azeméis	410.8
30	Porto	Paredes	549.2
31	Porto	Porto	5189.2
32	Porto	Póvoa de Varzim	759.6
33	Porto	Santa Maria da Feira	641.9

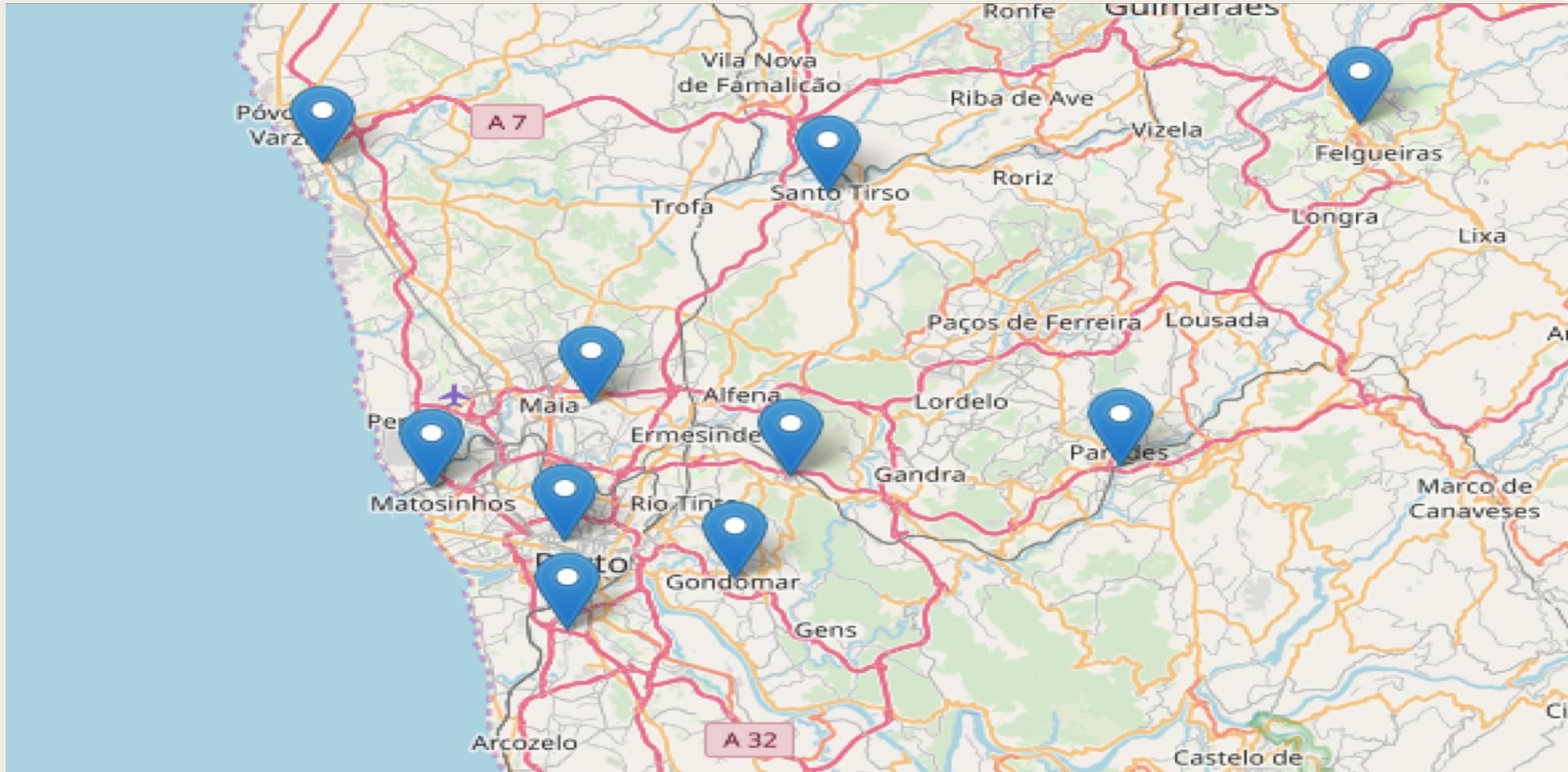
Data

■ Latitude and Longitude

Out[86]:

	Municipality	MCode	Latitude	Longitude
0	Gondomar	4	41.139991	-8.532800
1	Maia	6	41.232430	-8.606012
2	Matosinhos	8	41.188501	-8.689159
3	Paredes	10	41.198988	-8.333568
4	Porto	12	41.160364	-8.619520
5	Santo Tirso	14	41.342284	-8.484229
6	Trofa	18	41.379333	-8.209239
7	Valongo	15	41.194495	-8.503505
8	Vila Nova de Gaia	17	41.113921	-8.619381
9	Vila do Conde	16	41.358067	-8.744970

Folium Map



FOUSQUARE QUERY RESULTS

	name	categories	lat	lng
0	BeerDrive Caffe	[{"id": "4bf58dd8d48988d116941735", "name": "B..."}]	41.140675	-8.530712
1	Confeitaria Avenida	[{"id": "4bf58dd8d48988d16d941735", "name": "C..."}]	41.138011	-8.532795
2	O Monte	[{"id": "4bf58dd8d48988d16d941735", "name": "C..."}]	41.142131	-8.536163
3	Basho Sushi House	[{"id": "4bf58dd8d48988d1d2941735", "name": "S..."}]	41.143862	-8.535312
4	Monte Crasto	[{"id": "4bf58dd8d48988d165941735", "name": "S..."}]	41.142088	-8.536096
5	Tip-Off	[{"id": "4bf58dd8d48988d116941735", "name": "B..."}]	41.140522	-8.531692
6	Madureiras Souto	[{"id": "4bf58dd8d48988d1ce941735", "name": "S..."}]	41.135916	-8.530946
7	Restaurante O Brasinhas	[{"id": "4bf58dd8d48988d1c4941735", "name": "R..."}]	41.137065	-8.531881
8	Cantinho Avenida	[{"id": "4bf58dd8d48988d1e0931735", "name": "C..."}]	41.136619	-8.533706
9	Marp\u00e3o	[{"id": "4bf58dd8d48988d16a941735", "name": "B..."}]	41.136524	-8.531875