Introduction/Business Problem

France is a country which tries to attract an increasing number of highly skilled migrants. Paris-the capital city-has the status of a world-city, comparatively to New York, London or Tokyo. Paris has concentrated many multinational companies, so much so that many of the high-skilled jobs in France are solely present in Paris and nowhere else in the country (trader, financial structurer, big data engineer...). As many studies have shown that skilled migrants have a higher propensity to create new, innovative businesses (even compared to the native population, let alone the low-skilled migrants), it could be a great investment for France to attract skilled migrants in regions outside of Paris in particular. The latter could help decrease regional disparities in the country, hoping for better public infrastructure to develop outside of the capital city.

The regions of France aren't well known to most foreigners outside of Europe. Here, as our data science project, we try to build a dashboard allowing to evaluate the different provinces of France, known as "département". The dashboard allows to make an informed decision regarding where is best to move, based on the following data:

- real estate prices (houses and apartments)
- average net income
- number of middle and high schools

The dashboard also provides the longitude and latitude of the département, so one may easily find extra information online thanks

to both metrics.

Data

- Average net incomes: https://www.journaldunet.com/business/salaire/classement/departements/salaires https://www.journaldunet.com/business/salaire/classement/departements/salaires?page=2
- Real estate prices: https://www.consortium-immobilier.fr/prix/
- Statistics on middle and high schools: https://www.insee.fr/fr/statistiques/2012787#tableau-TCRD_061_tab1_departements

Results

Department	Net income	Longitude	Latitude
Ain	2 179 € nets / mois	5.348813	46.099783
Aisne	2 013 € nets / mois	3.559268	49.561125
Allier	1 956 € nets / mois	3.187624	46.393635
Alpes-Maritimes	2 313 € nets / mois	7.116190	43.938015
Alpes-de-Haute-Provence	2 039 € nets / mois	6.244721	44.106228
Ardennes	2 006 € nets / mois	4.640687	49.616185
Ardèche	2 034 € nets / mois	4.425498	44.752717
Ariège	1 972 € nets / mois	1.503573	42.920979
Aube	2 006 € nets / mois	39.749190	-16.365880
Aude	1 924 € nets / mois	2.413513	43.103369
Aveyron	1 927 € nets / mois	2.678523	44.281080
Bas-Rhin	2 222 € nets / mois	7.550601	48.671996
Bouches-du-Rhône	2 335 € nets / mois	5.085355	43.545473
Calvados	2 064 € nets / mois	-0.361668	49.099777
Charente	2 027 € nets / mois	0.203087	45.718630
Charente-Maritime	2 000 € nets / mois	-0.676355	45.782130
Cher	2 020 € nets / mois	2.491108	47.065817
Corrèze	1 973 € nets / mois	1.877672	45.357274
Corse-du-Sud	2 030 € nets / mois	8.693430	42.267190
Côte-d'Or	2 159 € nets / mois	4.771635	47.425593

Department	Public-middle school	Public-professional high school	Public-general high school	Private-middle school	Private-professional high school	Private-general high school	House price	Apartment price
Ain	51	5	12	16	5	5	1787 €	1538 €
Aisne	57	10	15	17	5	10	1947 €	1839 €
Allier	37	3	9	8	3	7	1609 €	1876 €
Alpes-Maritimes	73	13	22	21	9	24	1792 €	2224 €
Alpes-de-Haute-Provence	19	2	7	3	2	1	2290 €	2294 €
Ardennes	35	4	10	5	1	2	1743 €	2106 €
Ardèche	26	4	7	15	5	6	2379 €	1781 €
Ariège	14	5	4	4	1	1	1641 €	2473 €
Aube	25	4	7	9	4	4	2458 €	1655 €
Aude	28	2	7	13	6	5	1900 €	1749 €
Aveyron	21	5	6	20	4	6	2026 €	1506 €
Bas-Rhin	90	9	31	25	9	21	1598 €	1503 €
Bouches-du-Rhône	136	26	39	65	27	53	2425 €	2107 €
Calvados	58	4	20	21	10	13	1575 €	2009 €
Cantal	22	2	4	5	0	3	1659 €	2475 €
Charente	38	8	7	7	1	4	1525 €	2096 €
Charente-Maritime	51	7	16	12	3	3	2069 €	1925 €
Cher	26	6	7	4	3	2	2138 €	2158 €
Corrèze	25	6	6	5	3	4	2461 €	2074 €
Corse	29	4	9	6	0	3	1818 €	1911 €