**Casablanca**

**Casablanca** is the largest city of [Morocco](https://en.wikipedia.org/wiki/Morocco). Located in the central-western part of Morocco bordering the [Atlantic Ocean](https://en.wikipedia.org/wiki/Atlantic_Ocean), it is the largest city in the [Maghreb](https://en.wikipedia.org/wiki/Maghreb) region and the [eighth-largest](https://en.wikipedia.org/wiki/List_of_largest_cities_in_the_Arab_world) in the [Arab world](https://en.wikipedia.org/wiki/Arab_world). Casablanca is Morocco's chief port and one of the largest [financial centers](https://en.wikipedia.org/wiki/Financial_center) in [Africa](https://en.wikipedia.org/wiki/Africa). According to the 2019 population estimate, the city has a population of about 3.71 million in the [urban area](https://en.wikipedia.org/wiki/Urban_area) and over 4.27 million in the [Greater Casablanca](https://en.wikipedia.org/wiki/Greater_Casablanca). Casablanca is considered the economic and business center of Morocco, although the national [political capital](https://en.wikipedia.org/wiki/Capital_(political)) is [Rabat](https://en.wikipedia.org/wiki/Rabat).

The leading Moroccan companies and many international corporations doing business in the country have their headquarters and main industrial facilities in Casablanca. Recent industrial statistics show Casablanca holds its recorded position as the primary industrial zone of the nation. The [Port of Casablanca](https://en.wikipedia.org/wiki/Port_of_Casablanca) is one of the largest artificial ports in the world, and the second largest port of [North Africa](https://en.wikipedia.org/wiki/North_Africa), after [Tanger-Med](https://en.wikipedia.org/wiki/Tanger-Med) 40 km (25 mi) east of [Tangier](https://en.wikipedia.org/wiki/Tangier).

In this exercise I will focus on clustering all the restaurants in this big economic city, because it’s the most populated city in Morocco.

**Introduction/Business problem**

Casablanca, the city the author lives in, attracts a large number of investors, and less number of tourists, but it remains the biggest economic City where people can find a lot of job opportunities, that’s why the people living in Casablanca are various. For foreign people especially, finding the right place to eat can be a challenge because the city is too big and Moroccan dishes may not be convenient for them.

Thus, the goal I want to reach with this exercise is to give a simple recommendation to people in Casablanca: in which district of the city will you find a large number or even concentration of which types of restaurants? Where to eat Mediterranean food, where to find German food, French food, Italian food, where to get fast food? The target audience are foreign people and also investors who want to open a new restaurant, so it’s crucial for them to know how the existing restaurants are distributed in Casablanca’s districts.

**Description of the data**

I will, as requested by the assignment task, use foursquare data about restaurants in Casablanca. Foursquare is a US tech company from New York focusing on location data. Their technology and data powers apps such as Apple's Maps, Uber, Twitter and many other household names. Here is an example of restaurant in Casablanca on foursquare: <https://fr.foursquare.com/explore?mode=url&near=Al-Markaz%2C%20Casablanca&nearGeoId=10011708&q=Nourriture> . I will use foursquare data such as the restaurant name, ID, location and category of food (vegetarian, Italian etc.).

Also, I will use the overview of districts/city parts of Casablanca from Wikipedia: <https://en.wikipedia.org/wiki/Casablanca>

https://sites.google.com/site/collectivitesaumaroc/regions/grand-casablanca/provinces-et-communes-du-grand-casablance

Here, you will find a table "Districts" which shows the nine city districts and its neighborhoods/city parts. I will use these districts and the data about restaurants in these districts from foursquare to show the density of restaurants in them.

