

An aerial photograph of Jeddah, Saudi Arabia, showing a dense urban landscape with numerous high-rise buildings and skyscrapers. A prominent feature is a large, modern, curved bridge or overpass structure in the foreground, with a body of water flowing beneath it. The city extends to the horizon, with mountains visible in the distance under a clear sky. The text "Housing Sale Prices and Venues Data Analysis of Jeddah City" is overlaid in the center of the image.

Housing Sale Prices and Venues Data Analysis of Jeddah City

Data Acquisition and Cleaning

2.1 Data Source

2.2 Data Cleaning

2.3 Feature Selections

2.Data Acquisition and Cleaning

As the data is not available in readymade format, so we collect it from different sources spread on the internet and other data repositories.

2.1 Data Source

- As Jeddah have 140 administrator units so we need to have the name of each district and it location coordinates e.g. latitudes and longitudes.

We collect the list of Dist. from the url below and scrap it
[Jeddah - Wikipedia](#)

The scraped list dist is stored in into a data frame. As we just have the list of Dist. names, we also need the latitudes and longitudes of the those dist. So we collect latitude and longitude through google.

- Foursquare API is used to collect the venues in the nearby Borough.
- We go through and manually search the house prices in each Borough

2.2 Data Cleaning

We have 140 Dist in the list. We short list this to 45.

2.3 Feature Selections

For our purpose we need name of Borough, Latitude, longitude.
Here is the list.

	Borough	Latitude	Longitude
0	Al Mohamadiya	21.651635	39.138113
1	Ash Shati	21.611924	39.112922
2	An Nahda	21.618846	39.129335
3	An Naeem	21.620123	39.146220
4	An Nozha	21.621233	39.169962

References

1. <https://www.jeddah.gov.sa/>
2. [Jeddah - Wikipedia](#)
3. Google maps