

Real estate in Saudi Arabia

➤ Abstract:

Our project will study the most influencing factors in the rise and fall of Saudi real estate prices and predict, based on their characteristics, for example, land area and region..., future real estate prices in each region and we will focus on the tourists area in Saudi Arabia.

➤ Question/Problem statement:

- What is the future of the Saudi real estate market?
- Tourist areas in Saudi Arabia that help in real estate investment?
- What is the best model use it to predict the estate market prices?

➤ Content:

Data size (no. pf rows, and no. of columns) 3719 Rows and 24Columns.

Columns	Data type	Description
City	object	city where house locate in
District	object	district where house locate in
Front	object	What is the house front is north, west .. etc
Size	int	size in m ²
Property age	int	property age for the house
Bedrooms	int	number of bedrooms
Bathrooms	int	number of bathrooms
Living rooms	int	number of living rooms
Kitchen	int	show whether the house have a kitchen or not
Garage	int	show whether the house have a garage or not
Driver room	int	show whether the house have a driver room or not
Maid room	int	show whether the house have a maid room or not
Furnished	int	show whether the house is furnished or not
AC	int	show whether the house have a ac or not
Roof	int	show whether the house have a space for roof on top or not

Pool	int	show whether the house have a pool or not
Frontyard	int	show whether the house have a frontyard or not
Basement	int	show whether the house have a basement or not
Duplex	int	show whether the house is a duplex or not
Stairs	int	show whether the house have a stairs or not
Elevator	int	show whether the house have an elevator or not
Fireplace	int	show whether the house have a fireplace or not
Price	int	show the price of the house
Details	object	shows any additional details from the house owner about the house

➤ **Tools:**

- 🔧 Web scraping tools (of BeautifulSoup, Selenium)
- 🔧 Libraries: Pandas, Matplotlib, Seaborn and NumPy.
- 🔧 Plots: Bar graph, forecast, bar chart, and stock price prediction.

➤ **MVP Goal:**

The goal of this statistical analysis is to help understand the relationship between home features and how these variables can be used to predict home price.