

RIYADH REAL ESTATE

NUJUD ALMALEKI

DEC, 2025

DATASET

Title: Riyadh Real Estate | عقارات

Kaggle Link:

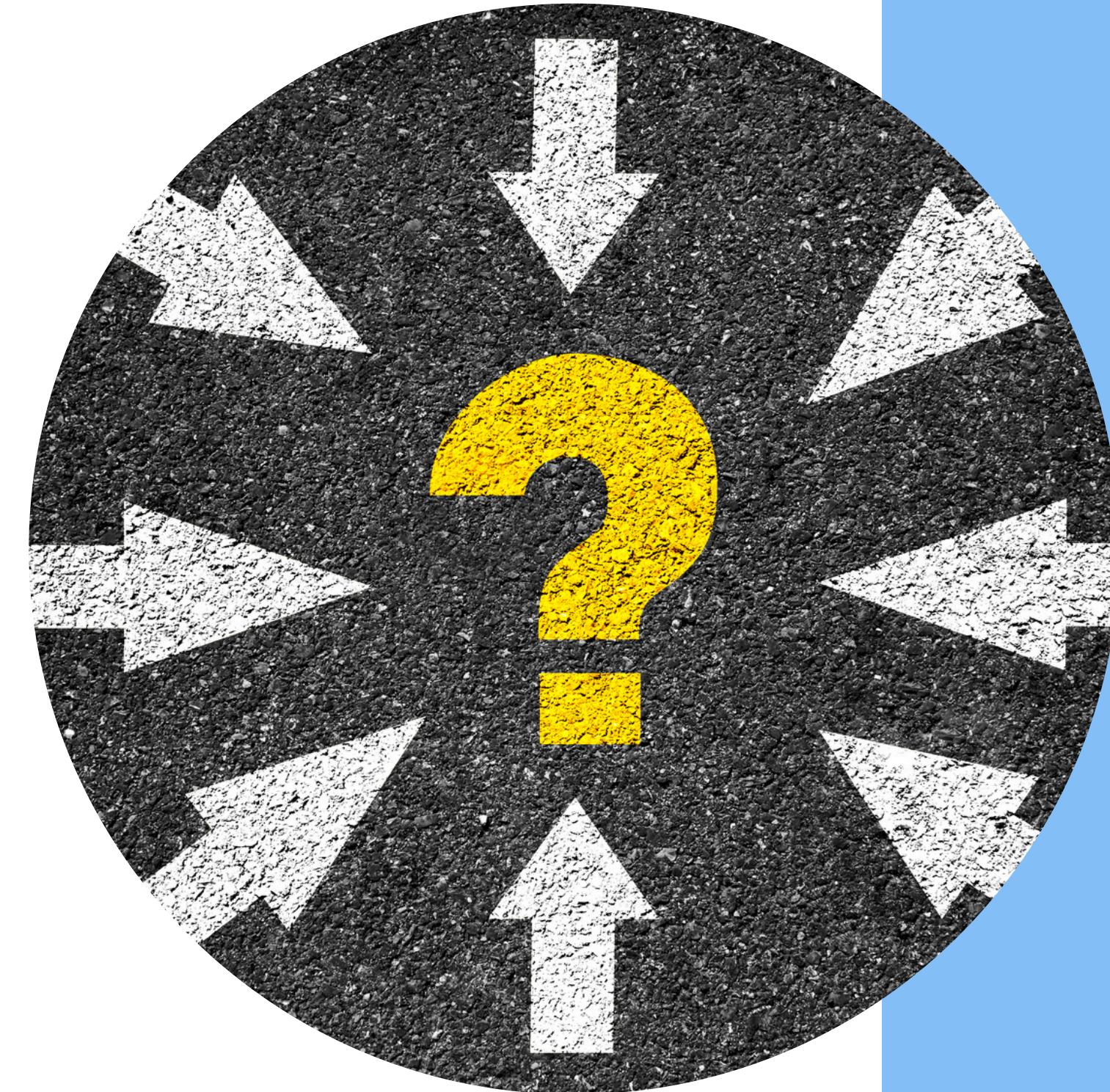
[https://www.kaggle.com/datasets/mohammedalsubaie/riyadh-real-estate?](https://www.kaggle.com/datasets/mohammedalsubaie/riyadh-real-estate?resource=download)

I selected this dataset because it touches on the real estate market in Riyadh and allows for the extraction of strong insights that help in understanding market trends.



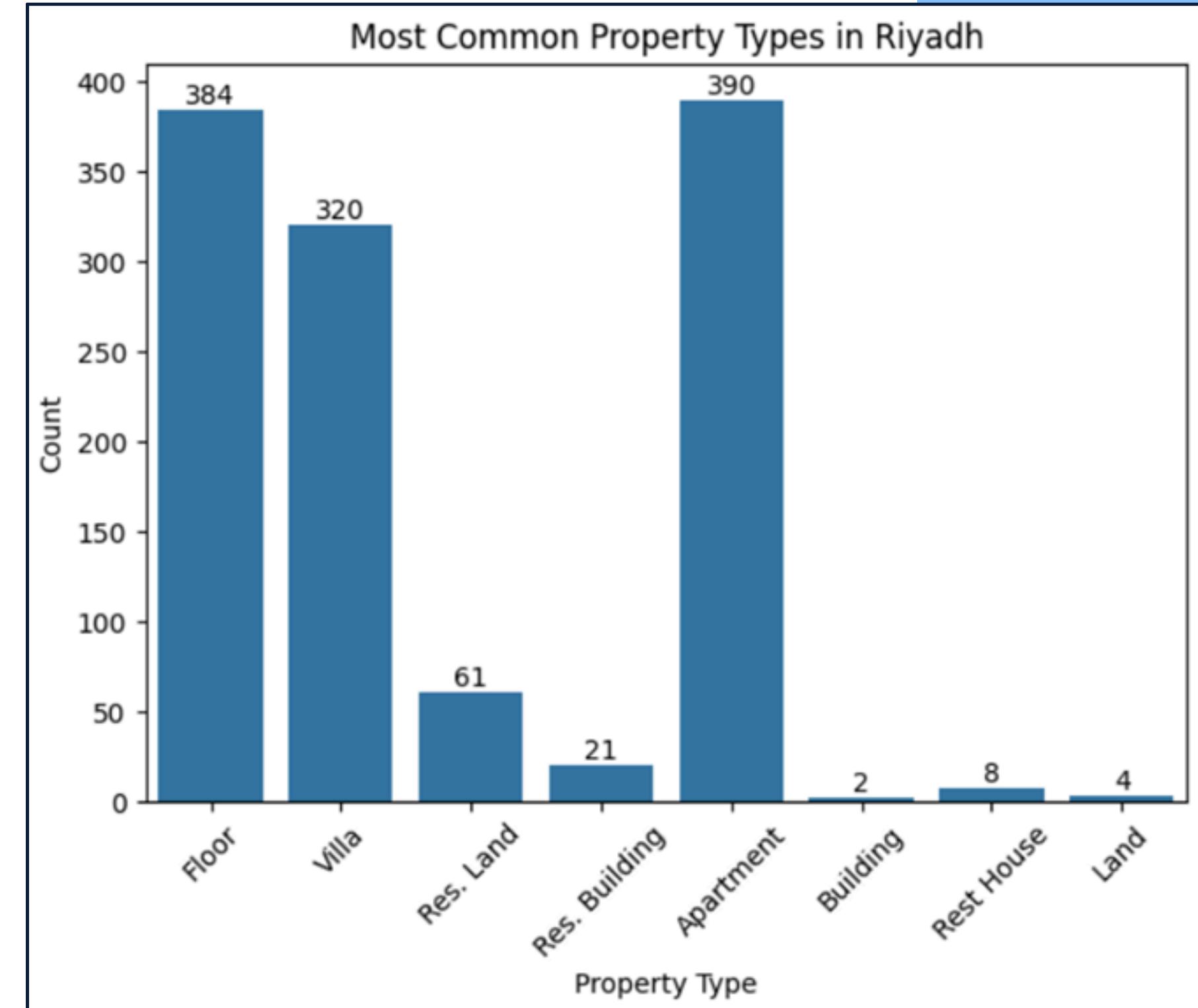
PROBLEM DEFINITION

My main goal is to explore how the housing market behaves and what factors impact property prices in this growing metropolis.



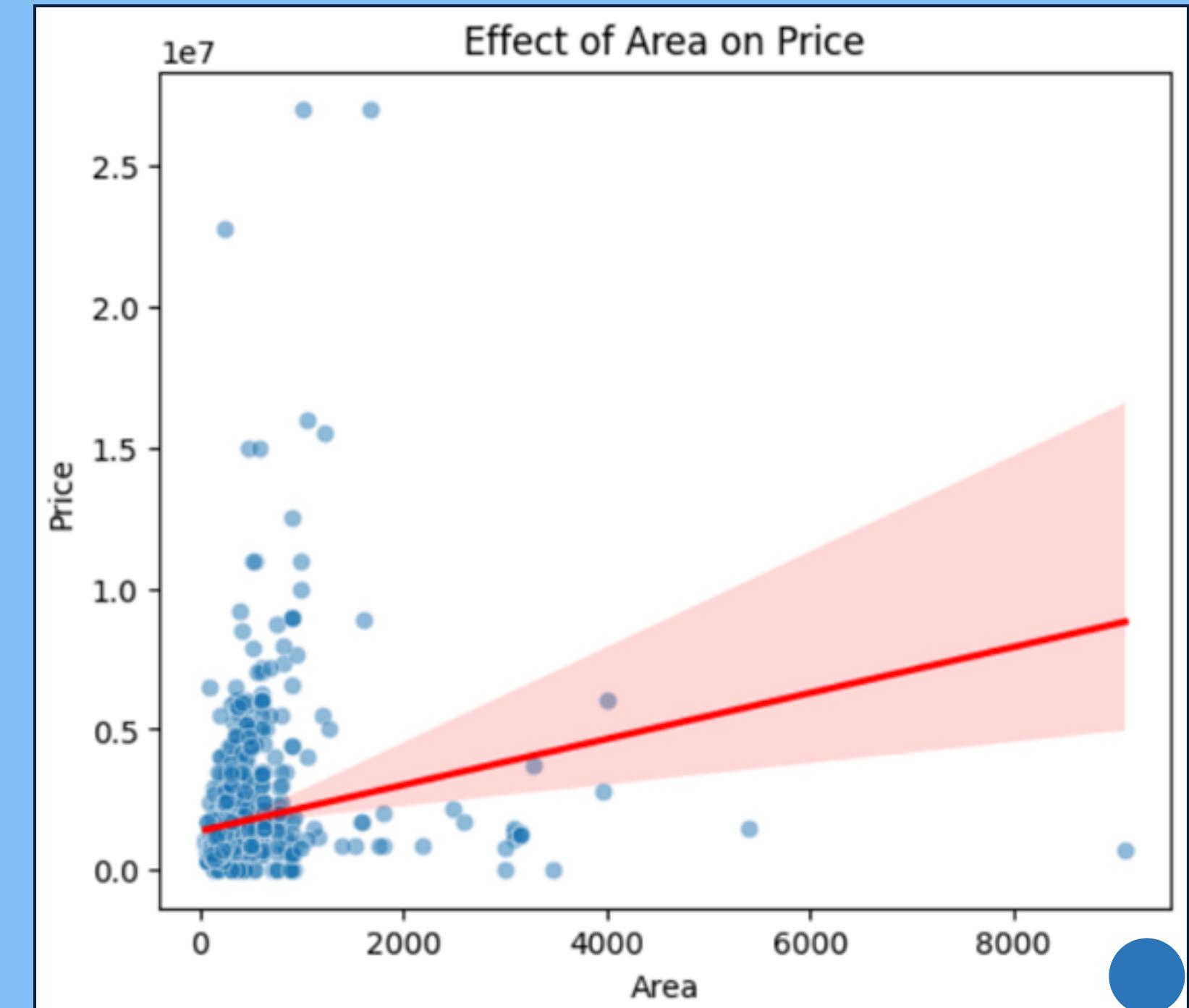
1) What are the most common property types listed in Riyadh?

From the bar chart, it is clear that the most common property types in Riyadh are Apartment, Floor, and Villa, with each having over 300 listings.



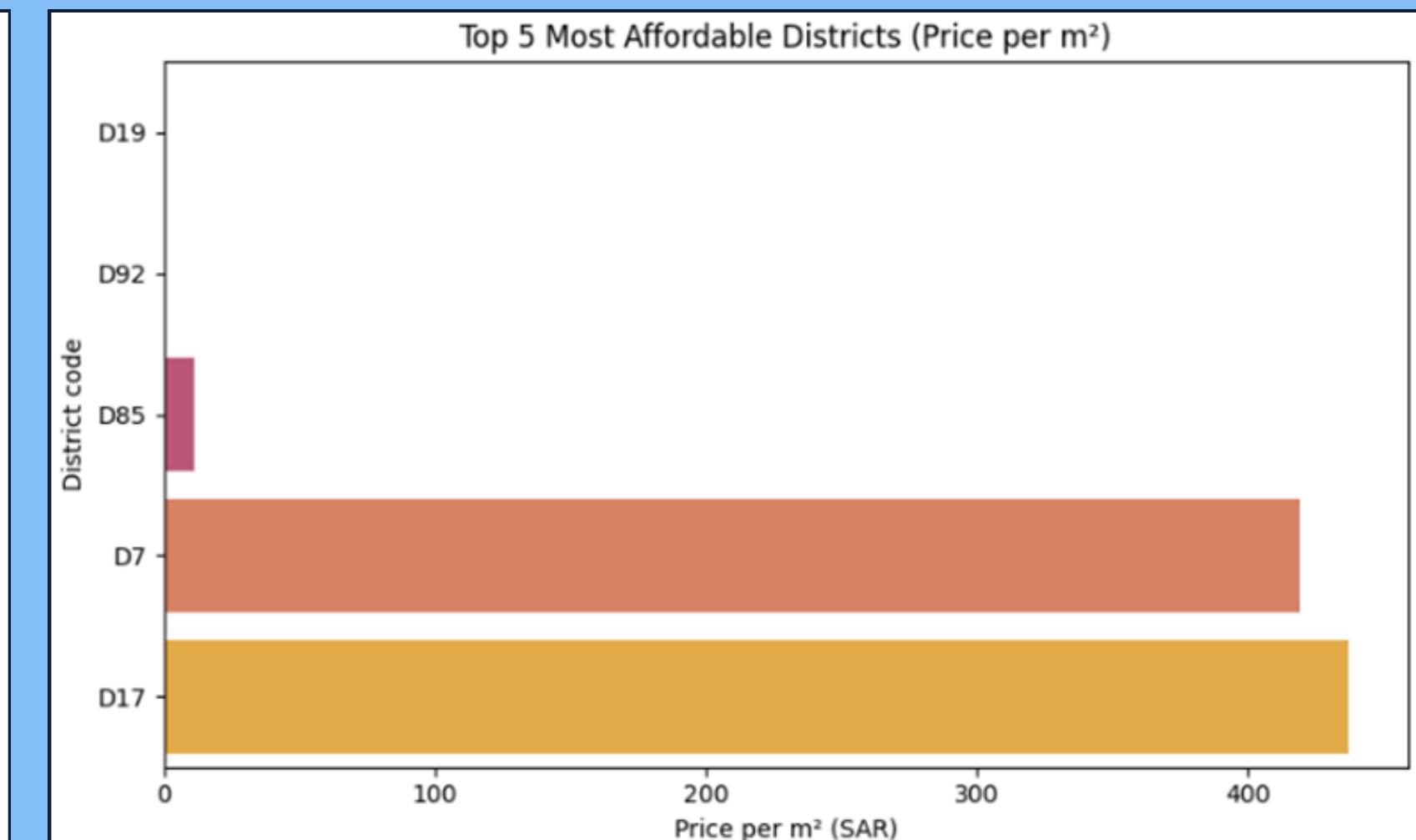
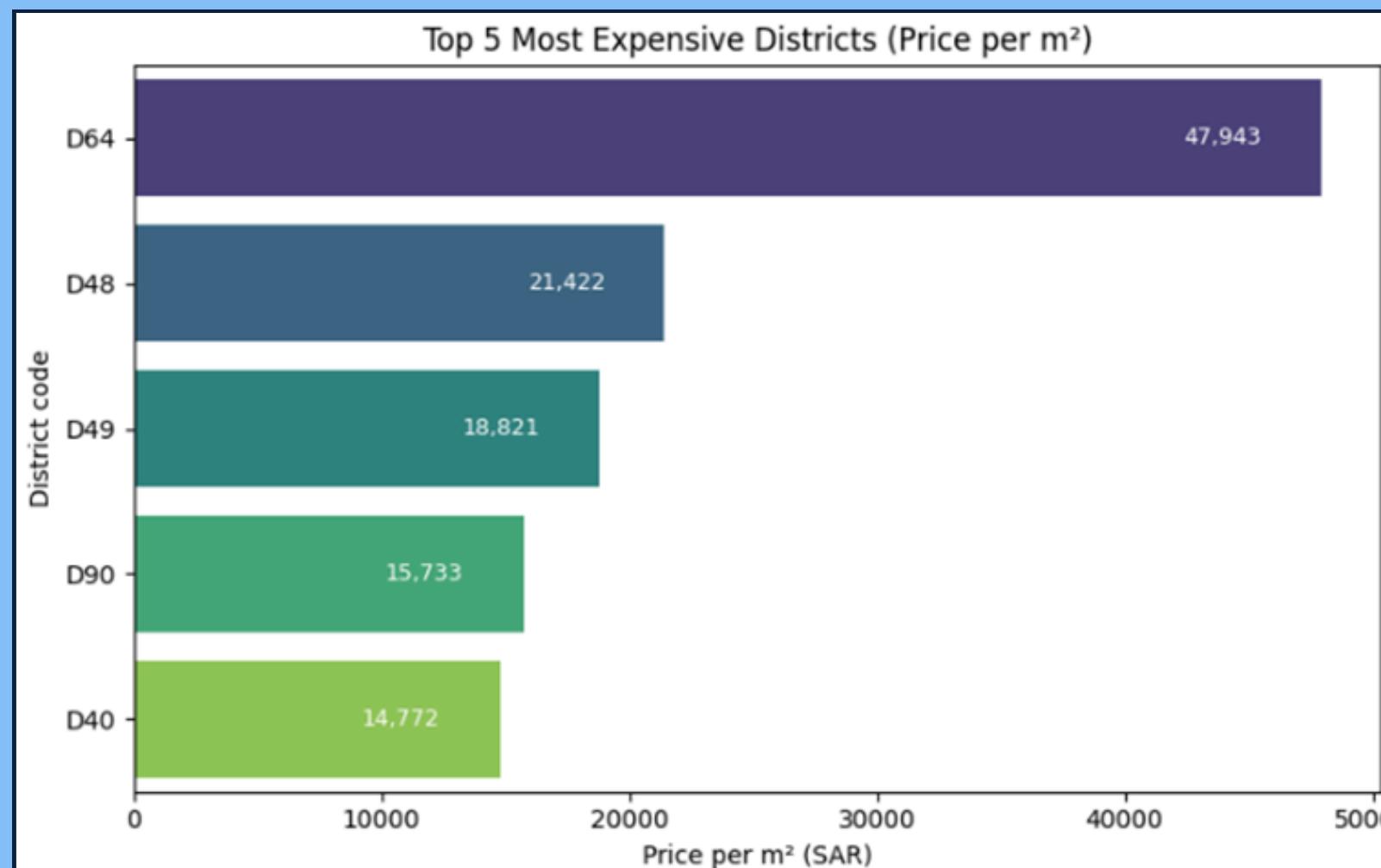
2) Does area (m^2) have a strong relationship with price?

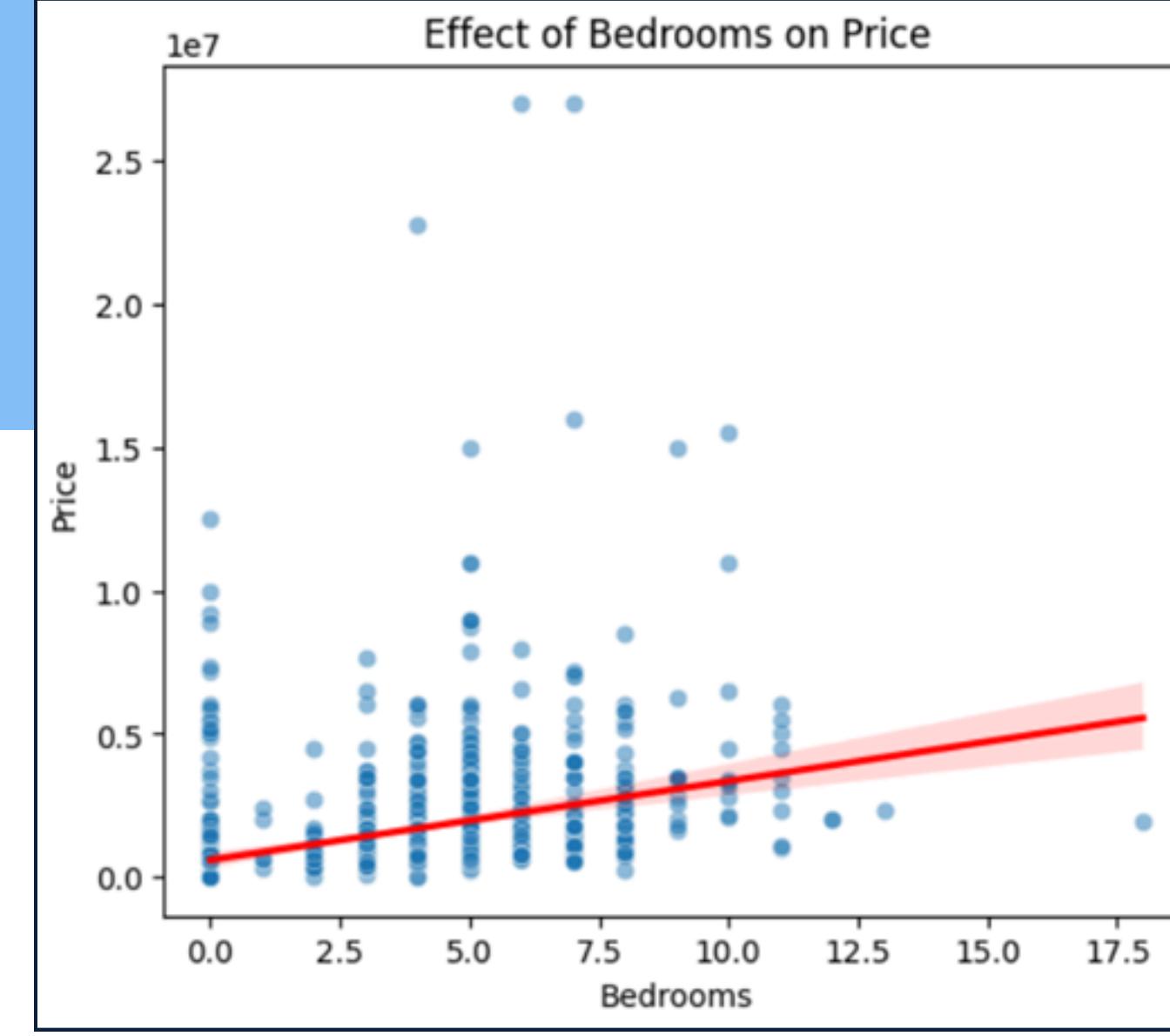
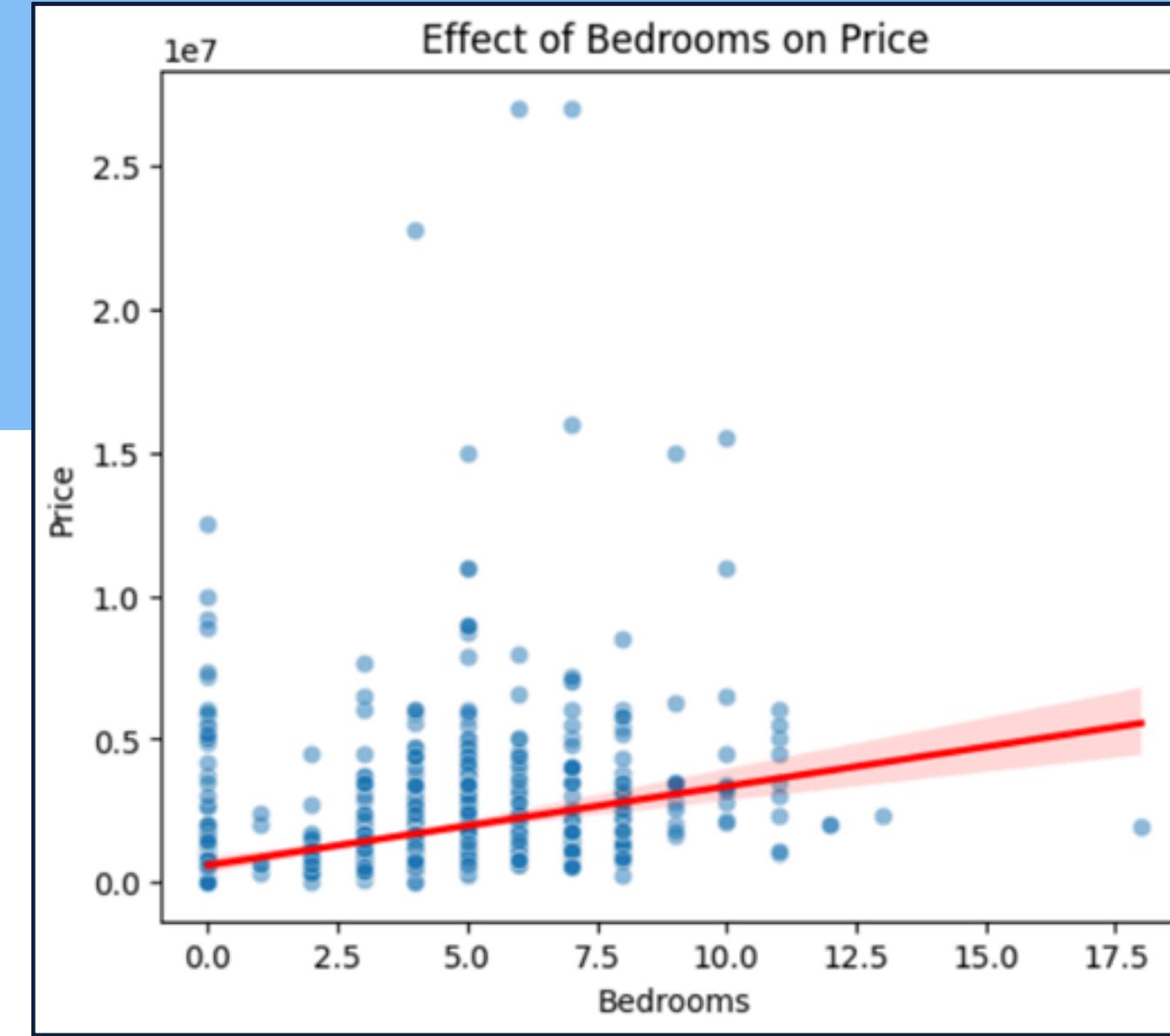
The scatter plot with regression line shows a weak positive relationship between area and price.



3) Does area (m^2) have a strong relationship with price?

Presentations are communication tools that can be used as demonstrations, lectures, speeches, reports, and more. It is mostly presented before an audience.





4) Do rooms and bathrooms impact price?

Bedroom & Bathrooms have a weak positive impact on price. They contribute to price increase, but they alone cannot predict property price accurately.

5) Are there correlations between features?

The heatmap shows the correlations between the main features and the property price. The results revealed that price per square meter and district are the most influential features, followed by property type, bathrooms, and bedrooms.



DASHBOARD DEMO

Riyadh Real Estate Dashboard

This dashboard provides an interactive view of Riyadh real estate listings. Filter by district, property type, and price to explore patterns in housing data.

Filtered Data Preview

	Property_ID	Property Type	Bedrooms	Bathrooms	Area	Price	Description	Location	District
0	A877409248	دور	6	5	214	730000	دور للبيع في بدر، جنوب الرياض	بدر، جنوب الرياض، الرياض	بدر
1	W448904463	فيلا	5	6	440	4800000	فيلا للبيع في الملك فهد، شمال الرياض	الملك فهد، شمال الرياض، الرياض	الملك فهد
2	M187516680	فيلا	11	6	445	5000000	فيلا للبيع في الوادي، شمال الرياض	الوادي، شمال الرياض، الرياض	الوادي
3	H808583263	دور	6	5	185	1200000	دور للبيع في المونسية، شرق الرياض	المونسية، شرق الرياض، الرياض	المونسية
4	T501925005	فيلا	6	6	300	980000	فيلا للبيع في بدر، جنوب الرياض	بدر، جنوب الرياض، الرياض	بدر
5	G622333075	دور	6	5	500	1249000	دور للبيع في الخليج، شرق الرياض	الخليج، شرق الرياض، الرياض	الخليج
6	L472435811	دور	5	4	523	1650000	للبيع أموار في الريان، شرق الرياض	الريان، شرق الرياض، الرياض	الريان

Summary Statistics

Total Properties	Average Price	Avg Price per m ²
1,100	1,677,479 SAR	5,712 SAR

Filters

Use the filters below to explore Riyadh real estate data interactively.

Select District

All

Select Property Type(s)

ارض (x) ارض سكنية (x) استراحة (x) دور (x) شقة (x)

Select Price Range

400 2700000

KEY INSIGHTS

District is the strongest factor influencing property prices.

Property type clearly impacts price (villas highest, apartments lowest).

Area has a weak positive relationship with price.

Price per m² is a more accurate value indicator than total price.

Data shows a small segment of luxury outliers.

CONCLUSION

- Location matters most in Riyadh's real estate market.
- Property type and size contribute but are secondary factors.
- Price per m² helps reveal fair value across districts.
- Findings support better decision-making for buyers and investors.



**THANK
YOU**