

# EGYPT - REAL - STATE ANALYSIS

AHMED IBRAHIM ELGANYNI

PRESENTATION



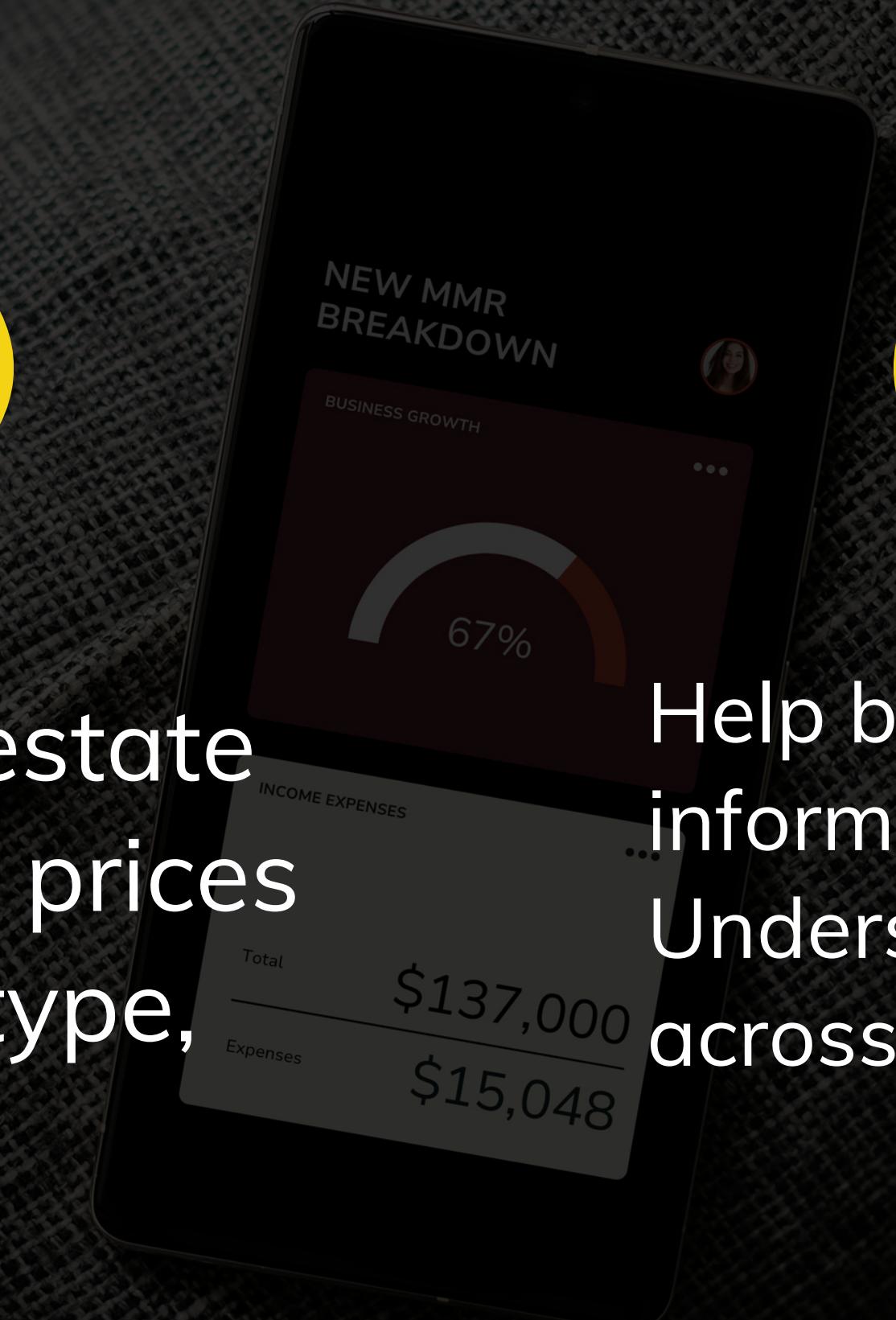
# INTRODUCTION

## Objective

Analyze Egypt's real estate market to understand prices by location, property type, and features.

## Importance

Help buyers and investors make informed decisions.  
Understand price distribution across cities and property types.



# DATADSET

Rows

number of rows:

19924

columns

Columns:

- url-price-description-location
- type
- size
- bedrooms
- bathrooms-
- available\_from
- payment\_method
- down\_payment

# DATA PREPROCESSING

**Cleaning  
missing  
data**

```
drop missing value  
from ['price','location', 'type',  
'size', 'bedrooms','bathrooms',  
'payment_method']  
impute missing value in  
available_from  
available_from_month
```

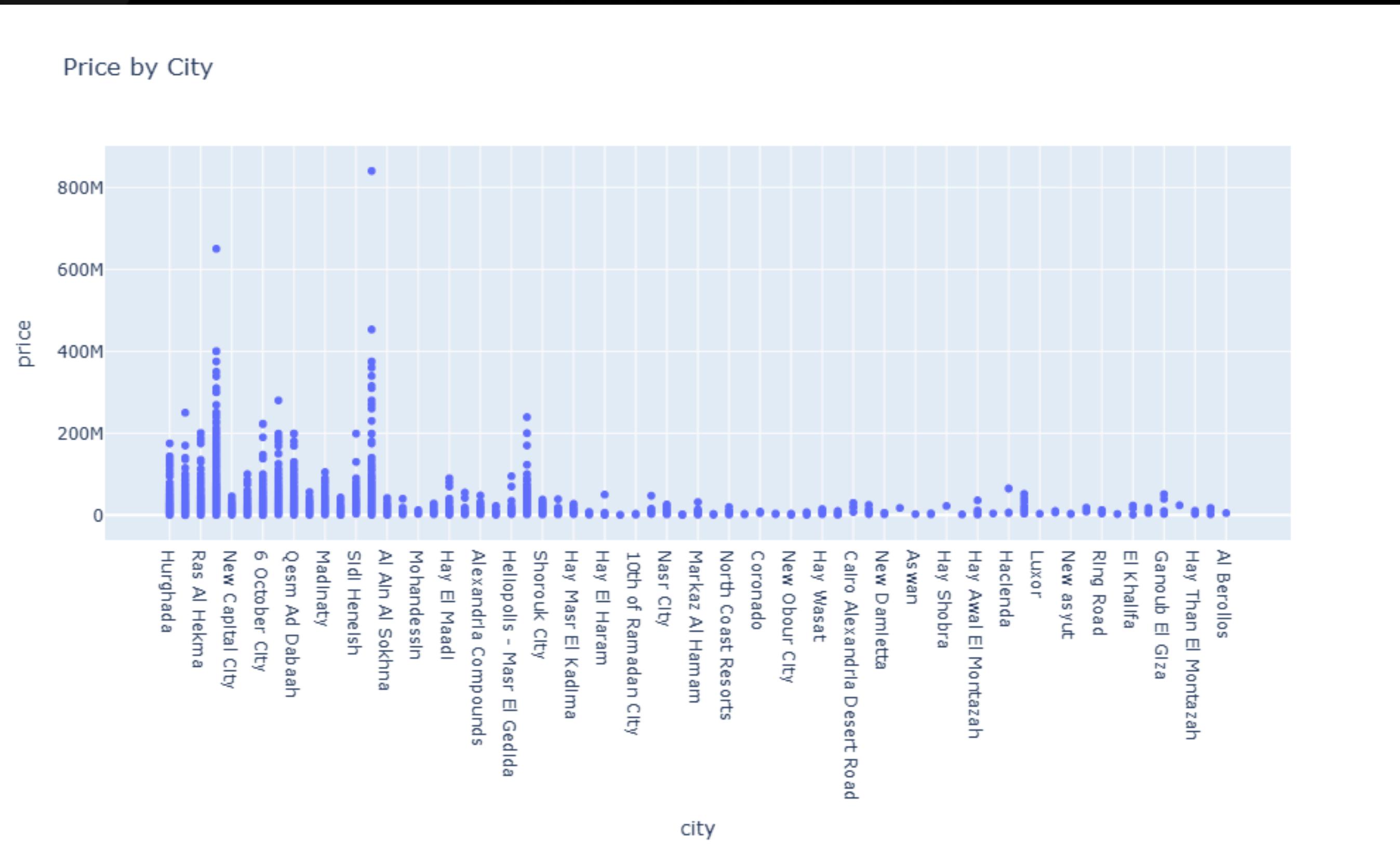
**Encoding  
categorical  
variables**

```
convert catigorical  
columns to  
numerical  
["city" , "location" ,  
"payment_method",  
available_from_month" ,  
"type"]
```

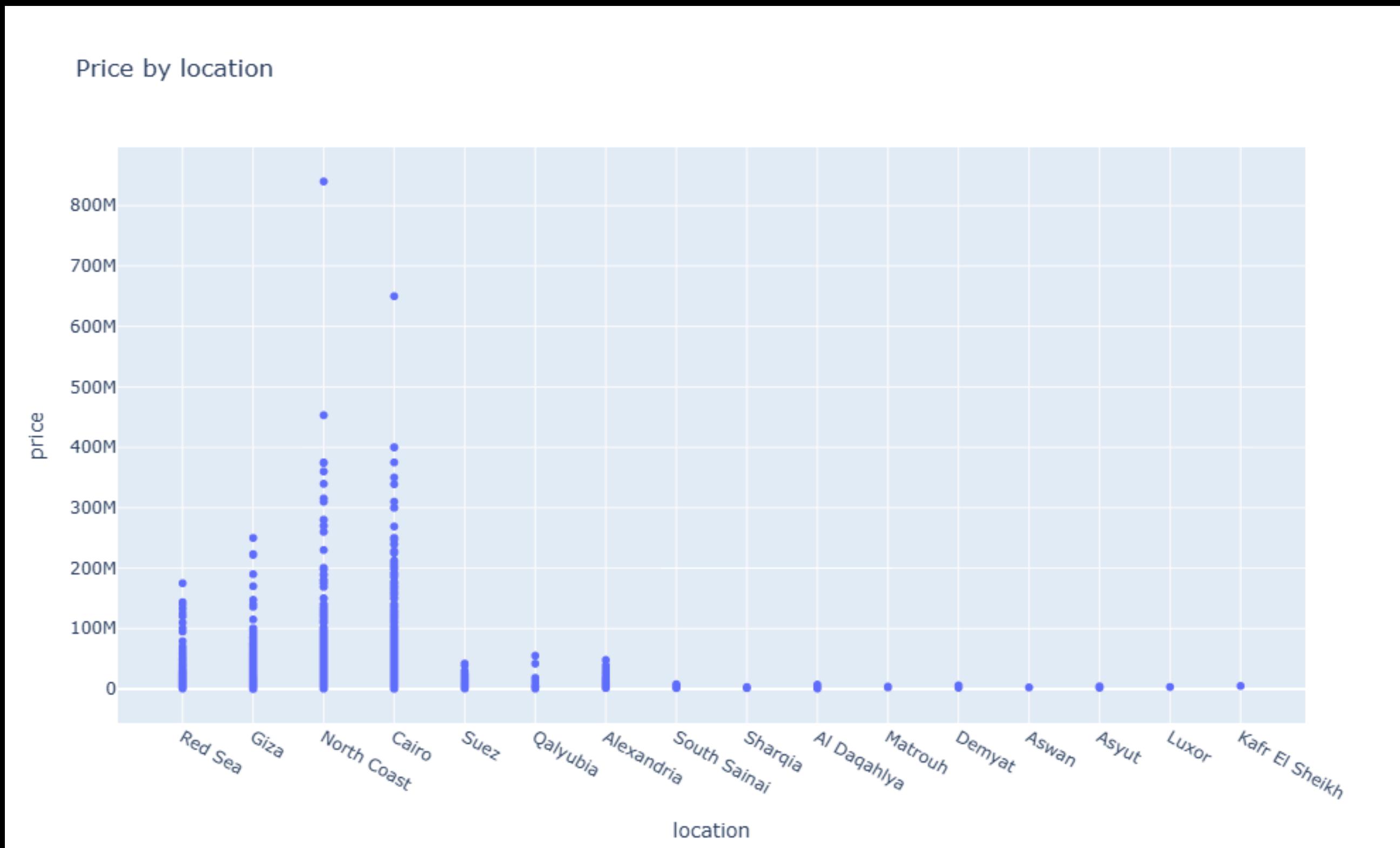
**Scaling  
numerical  
variables**

```
scale  
all numeric  
columns
```

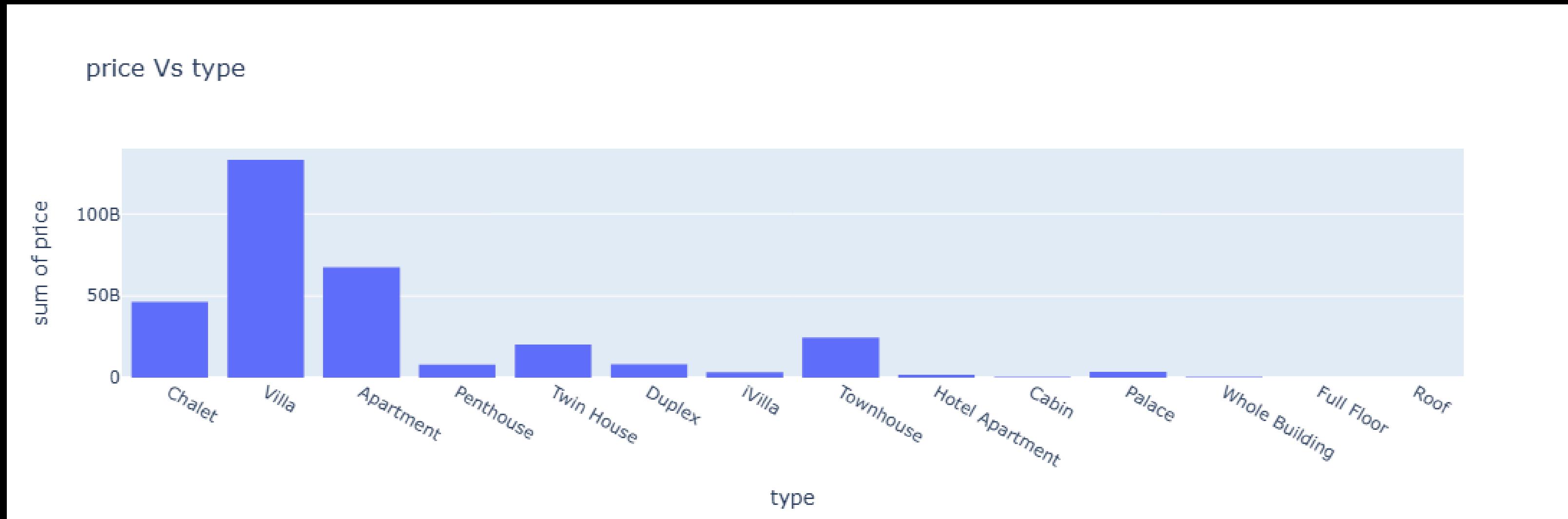
# KEY FINDINGS



# KEY FINDINGS

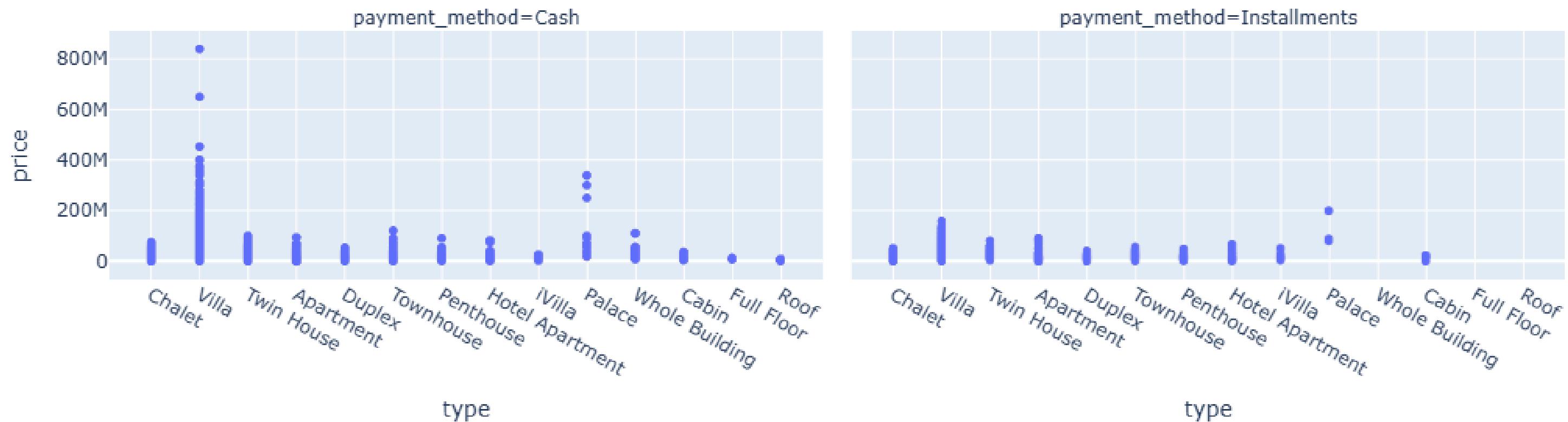


# KEY FINDINGS

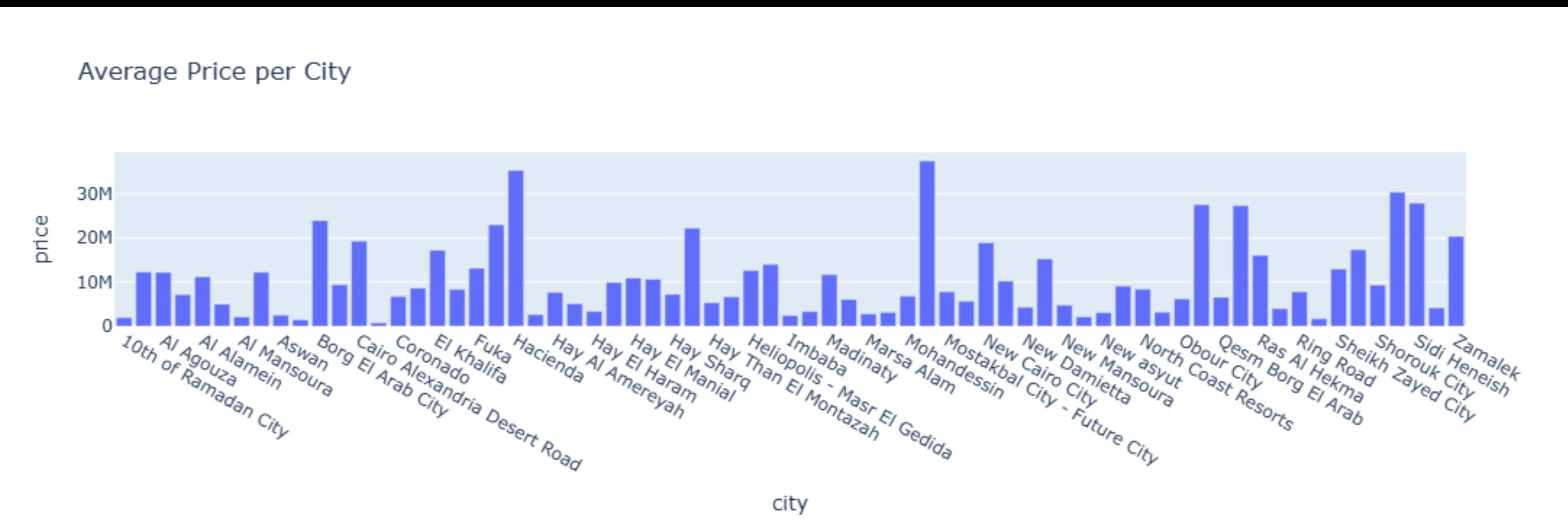


# KEY FINDINGS

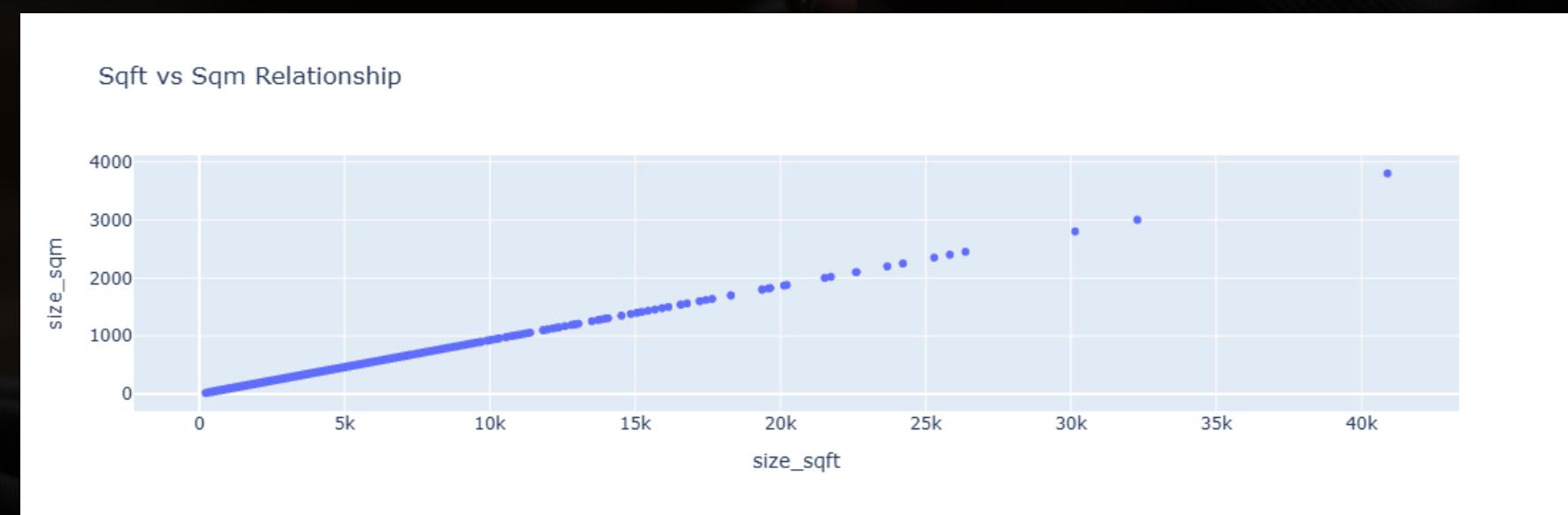
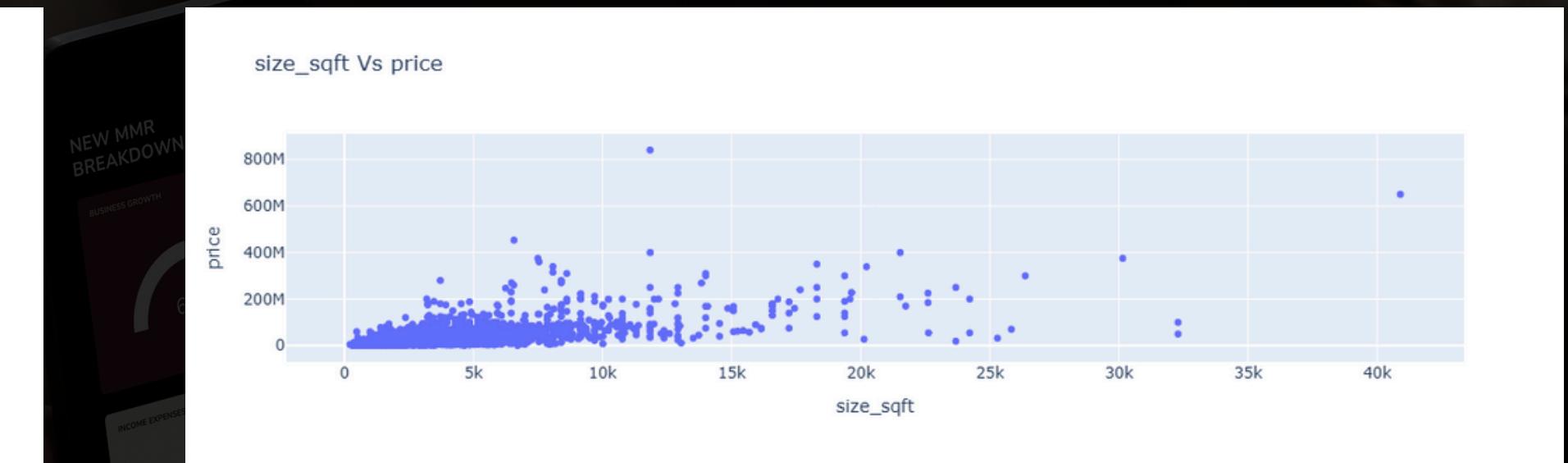
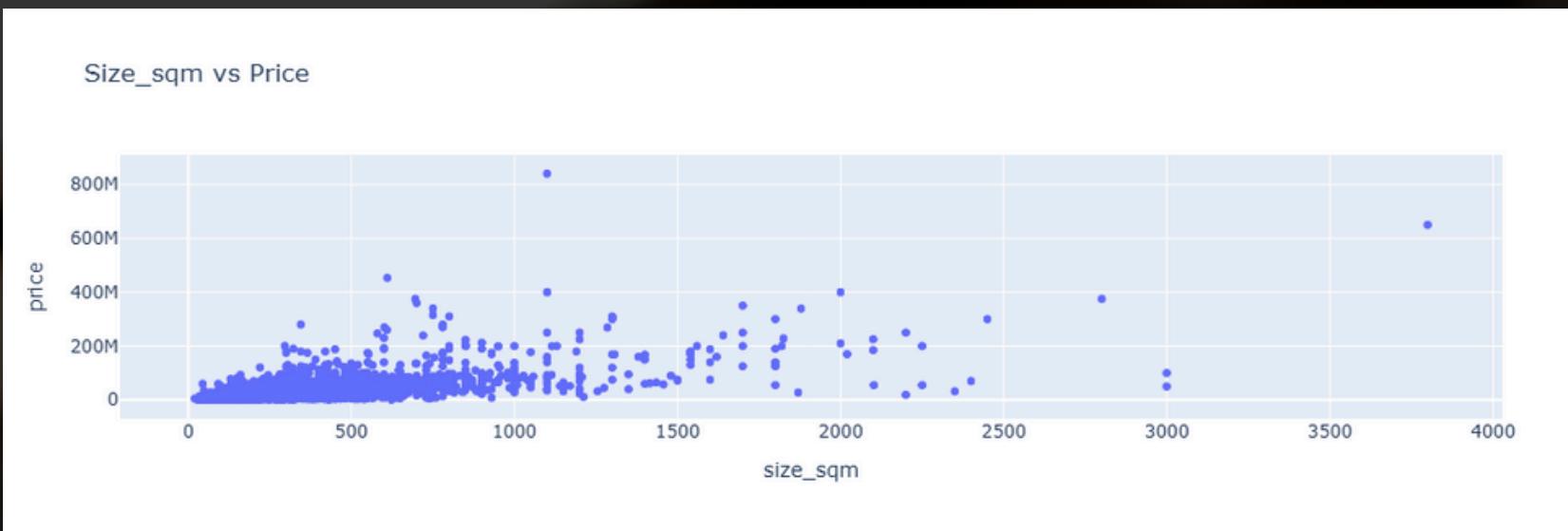
Price by Payment Method



# KEY FINDINGS



# KEY FINDINGS



# CONCLUSION

The analysis of the Egyptian real estate market shows clear variations in property prices based on city, property type, and unit size. Apartments are the most common property type, while villas record the highest average prices. The results also reveal a strong positive relationship between size and price, and highlight several cities that offer promising investment opportunities due to their balanced pricing and high property availability.

Overall, this analysis provides a solid understanding of the main trends in the market and sets the foundation for future work, including price prediction models, geospatial analysis, and more advanced tools to support better investment decisions.

GROUND

THE INDUSTRY'S HISTORY

WE WANT TO SAY

THANK YOU

FOR YOUR ATTENTION

