

Scientists



# USED CARS ANALYSIS





# Introduction

The used car market in Saudi Arabia is thriving, with many buyers opting for pre-owned vehicles due to their lower costs and wide availability. Prices are influenced by several factors, including mileage, car type, and other car details.

# Objectives:

- 1- Identifying the regions in Saudi Arabia with the most market for used cars.
- 2- Identifying the car brand that is the most listed for sale.
- 3-defining features that has the most significantly impact on the price of used cars.
- 4- define the price range for used cars that are approximately four years old.

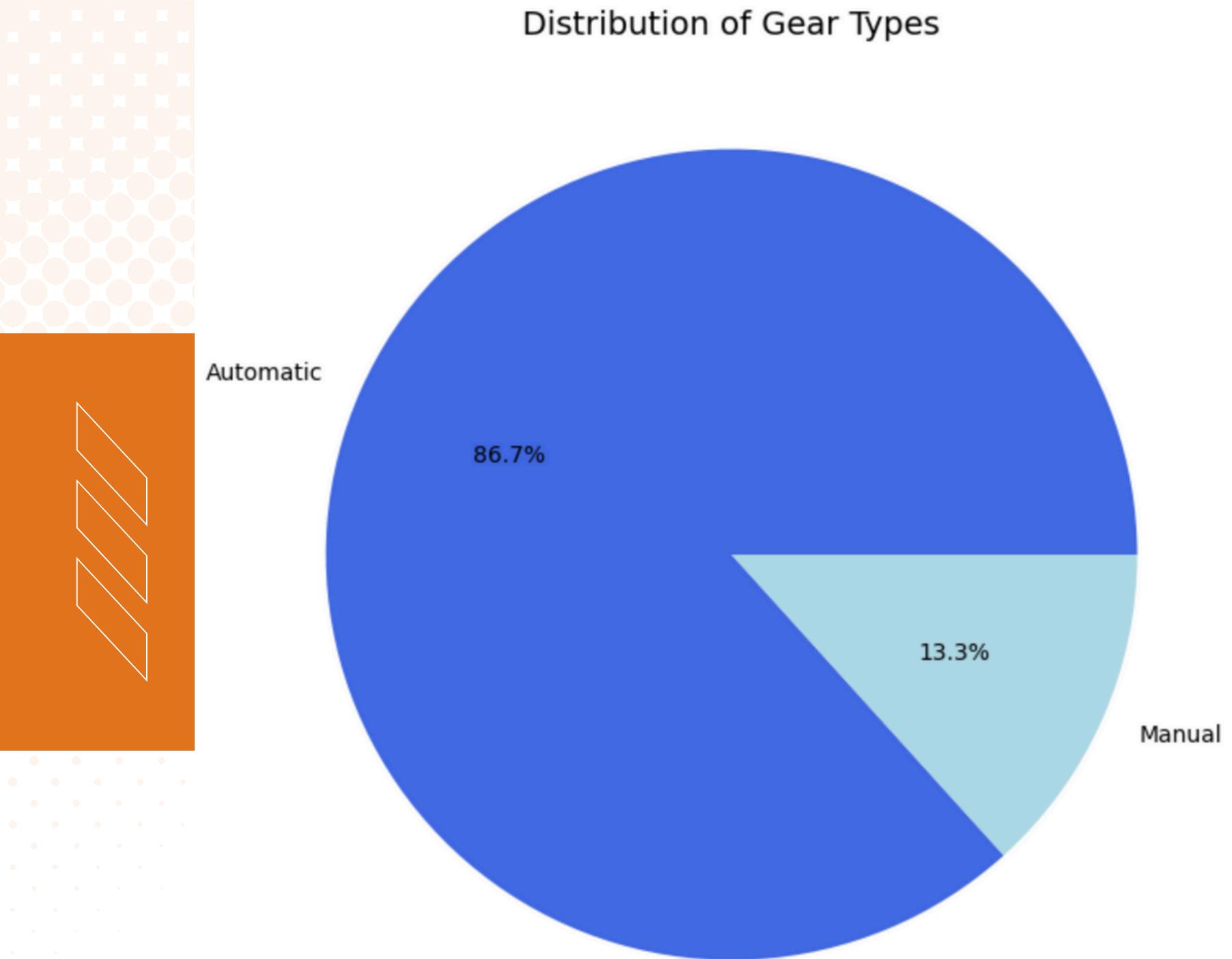


# EDA Steps

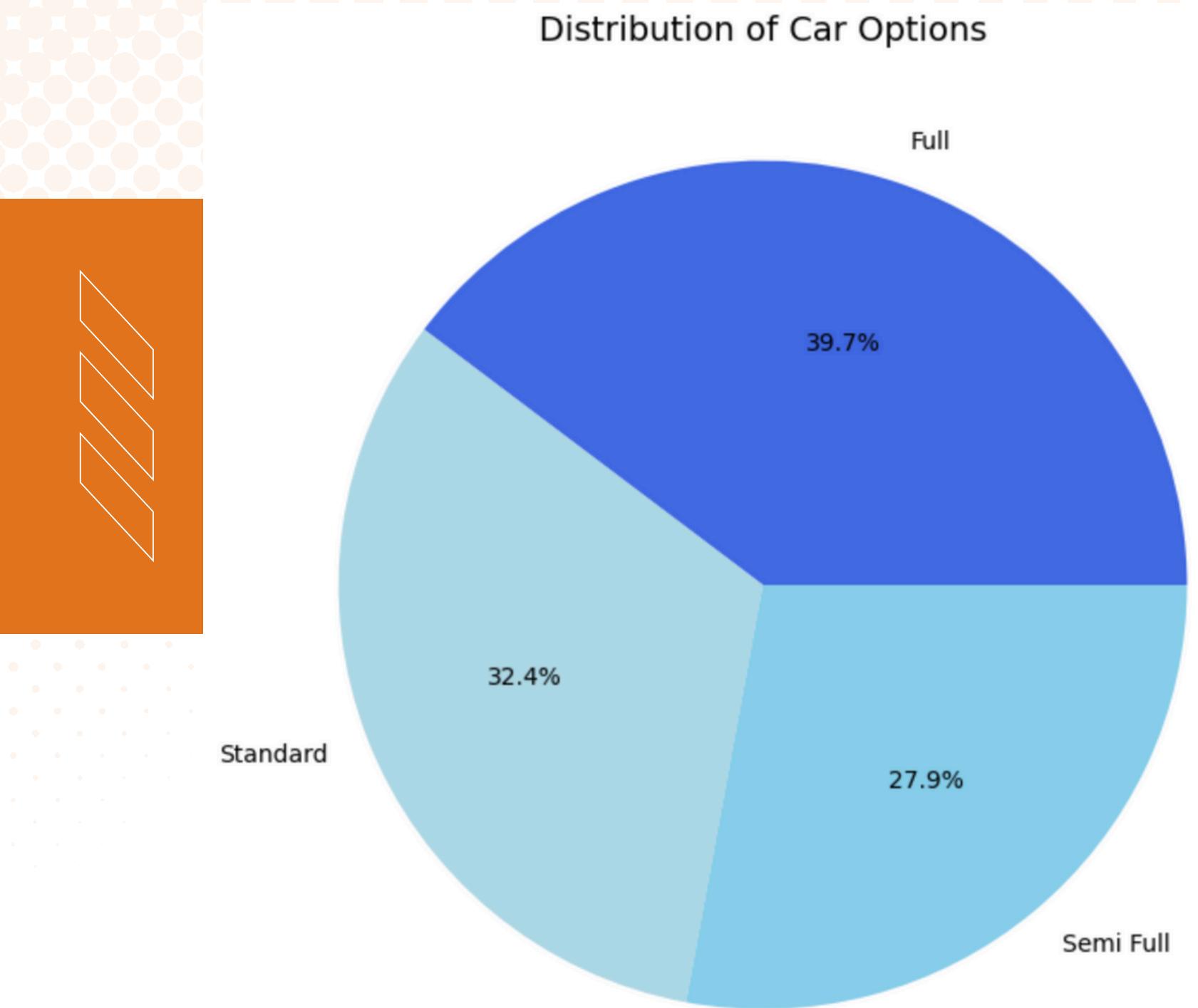
- 1- Reliability : the dataset is from reliable source.
- 2- Timelines:the datasets is compatible with the specified year.
- 3- Consistency : we modify origin values (Saudi, Golf arabic, others) to be consistent with region values.(Dammam, Ryadh,...)
- 4- Relevance: columns are relevant to the problem statement
- 5- Uniqueness: deleted 4 duplicated rows
- 6- Completeness: Our dataset is complete, doesn't have null values
- 7-Accuracy: milage > 5M is considered outlier, we decided to delete it



Distribution of Gear Types

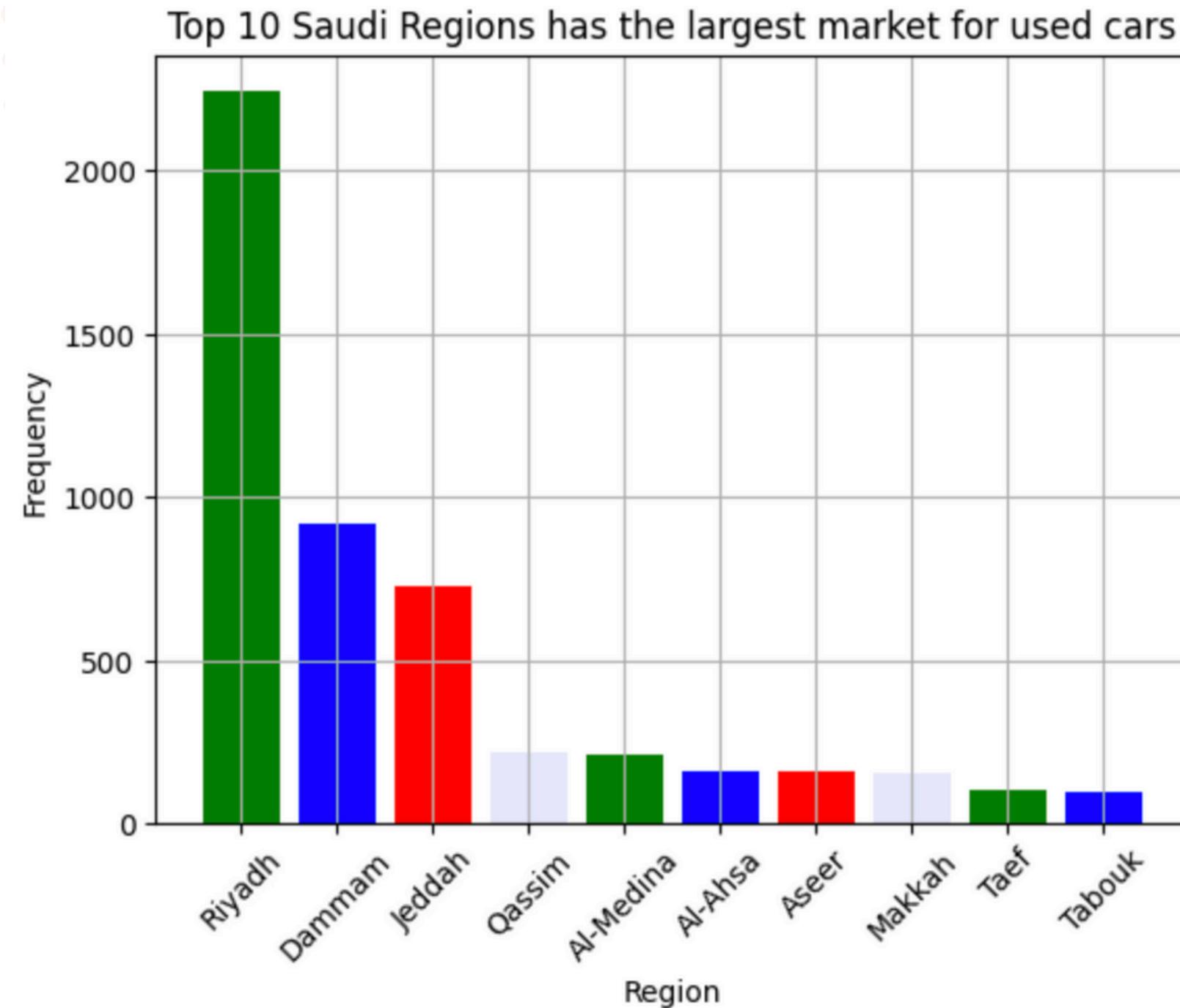


# Insight 1

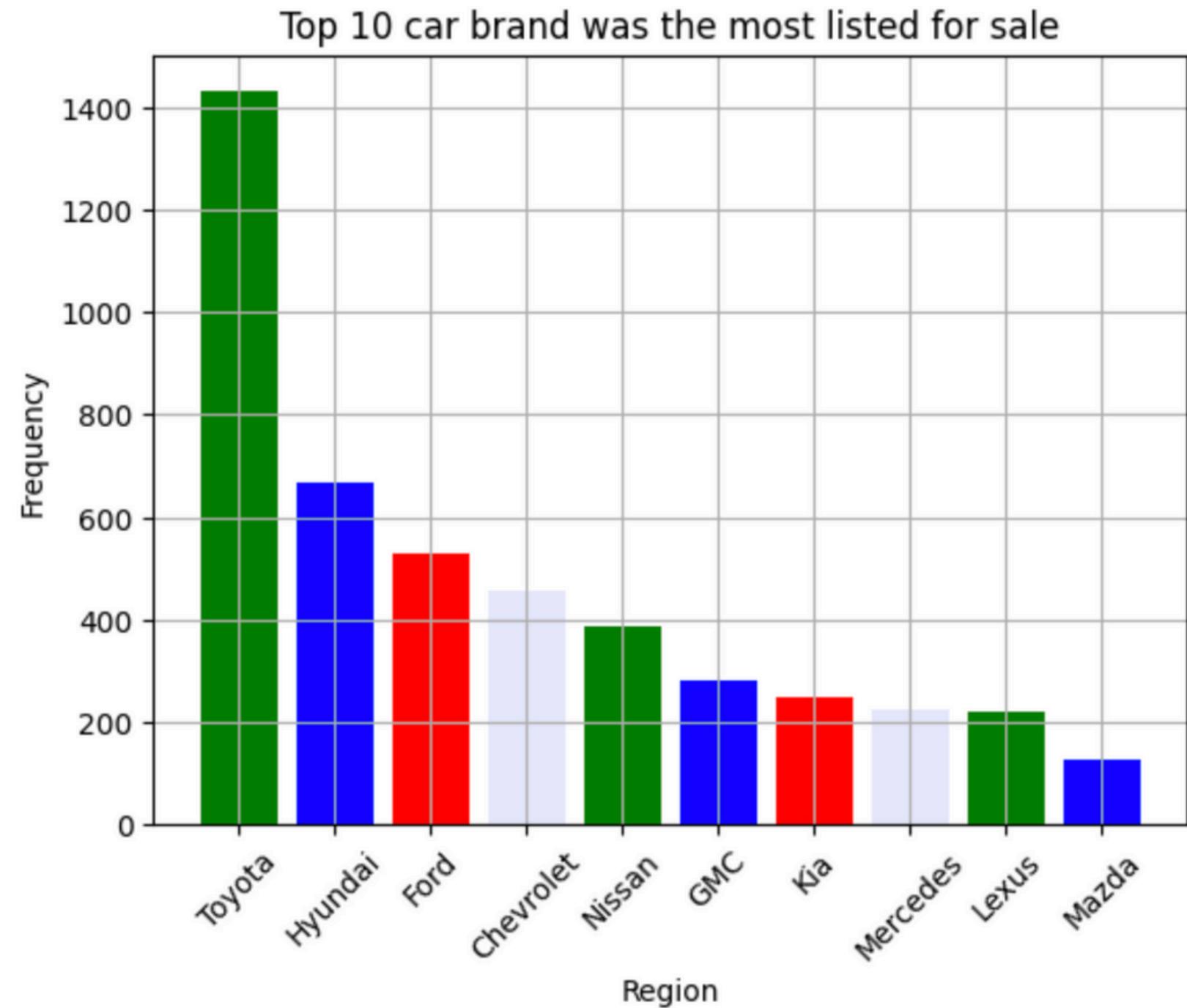


## Insight 2

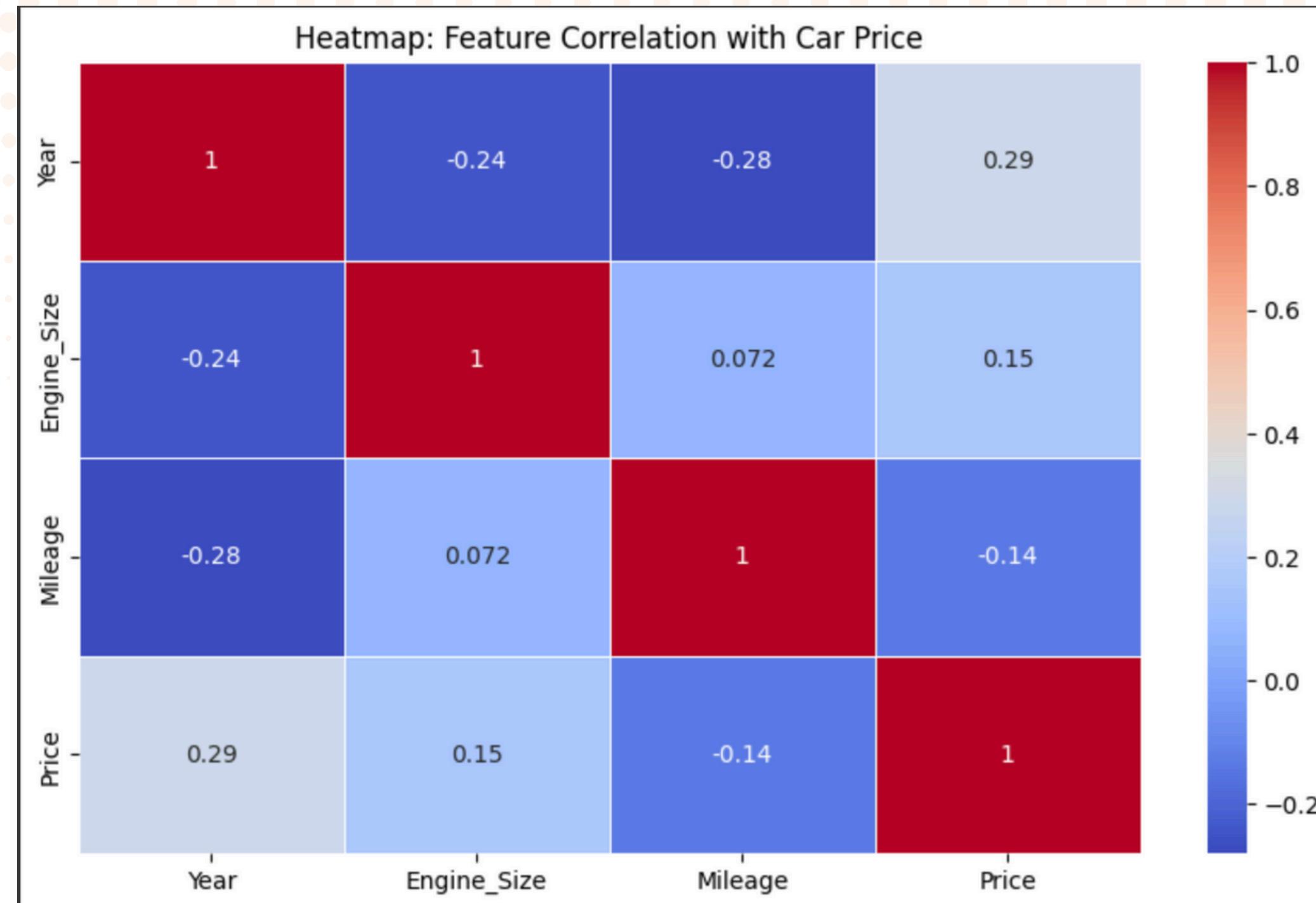
# Q1: Which region in Saudi Arabia has the largest market for used cars?



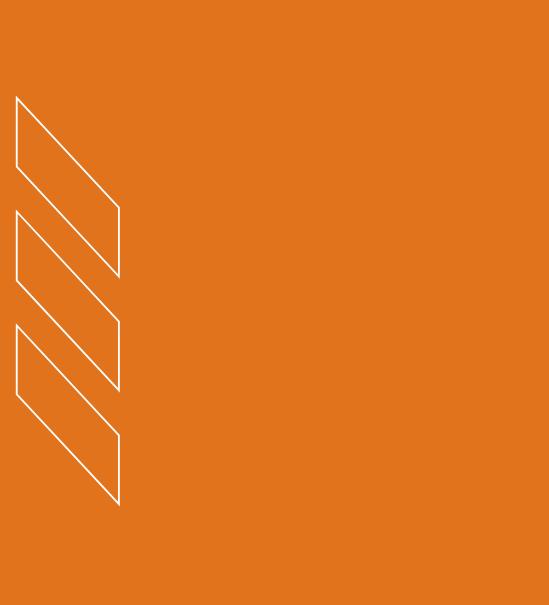
# Q2: During the specified period, which car brand was the most listed for sale?



# Q3: Which features most significantly influence the price of a used car?



# **Q4: What is the price range for used cars that are approximately four years old?**



The price range are from 0 to 850000 SRs



# in conclusion

The used car market in Saudi Arabia is a dynamic and growing sector, offering buyers a wide range of affordable and well-maintained vehicles. Factors such as strong demand, reliable car brands

