

# Exploratory Data Analysis

For used car market in UK

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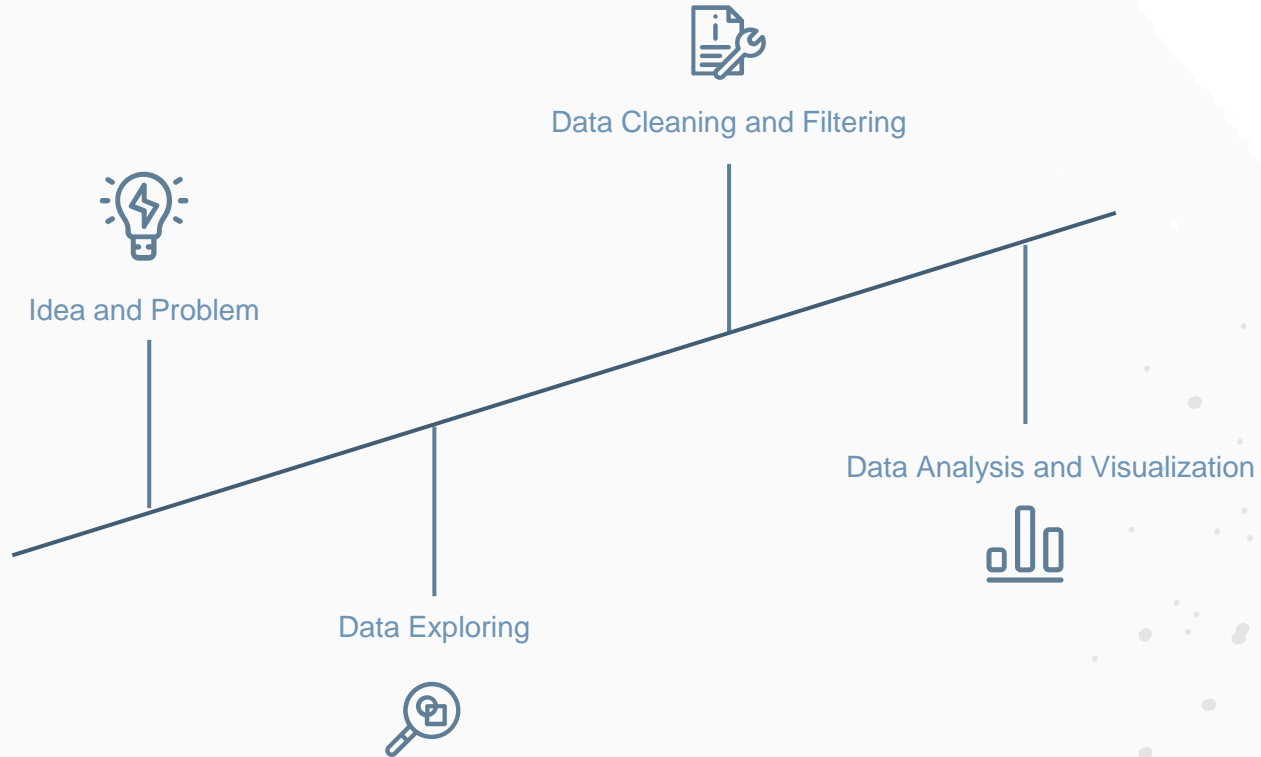
# Introduction :

Cars are one of the most important necessities for every family, as they are the most popular means of transportation these days.

This project aims to analyze the used car market in the UK, compare car prices by type, engine, and car model, for example, which cars are most in demand. With the presence of more than one car company.

We will do a comprehensive analysis to find the best used cars to attract customers so that our exhibition are among the best and we can achieve the company's goal and vision for development in the used car sectors

# Methodology :



# Data :

Our data set is about most common cars brand in UK, and its contain two brands Ford and Volkswagen

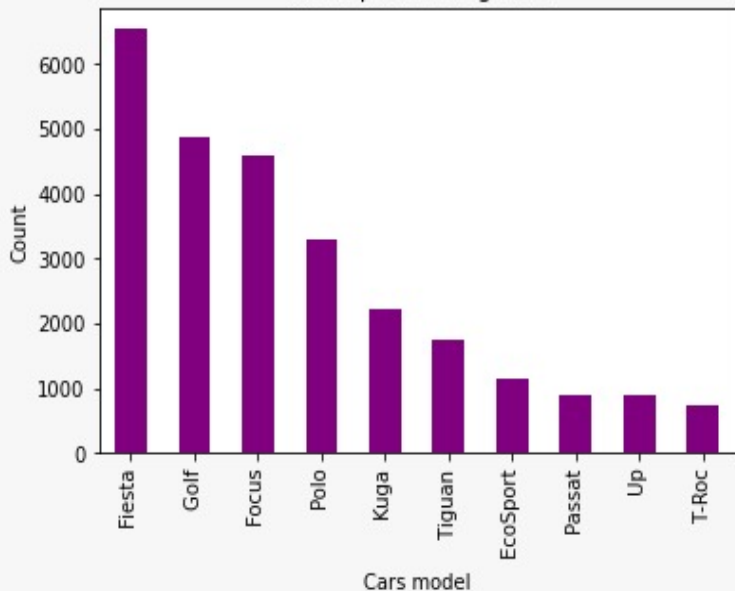
The data set is provided in .csv format, contains information of price, transmission, model, mileage, etc.

Our data contains thirty-three thousand of rows and 8 columns of information of used Cars.

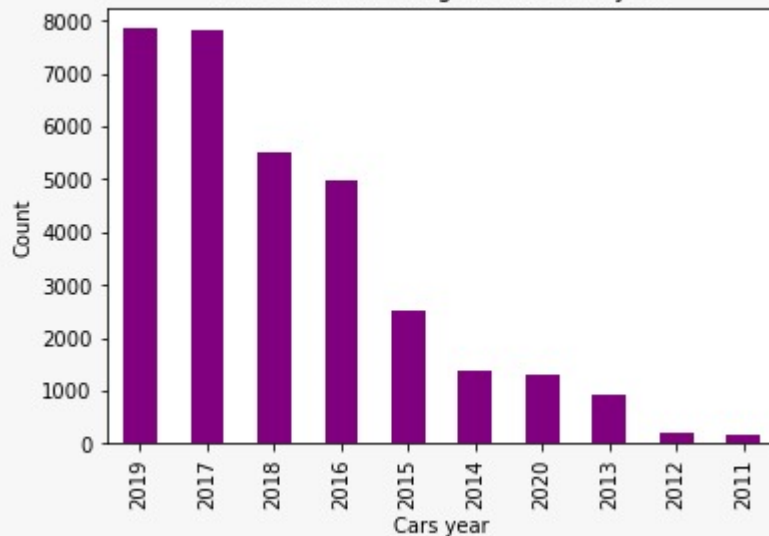
# Graphs:

This graph represent **most common** used car in UK **model** most **manufacturer year** of our data set.

The Top 10 selling cars

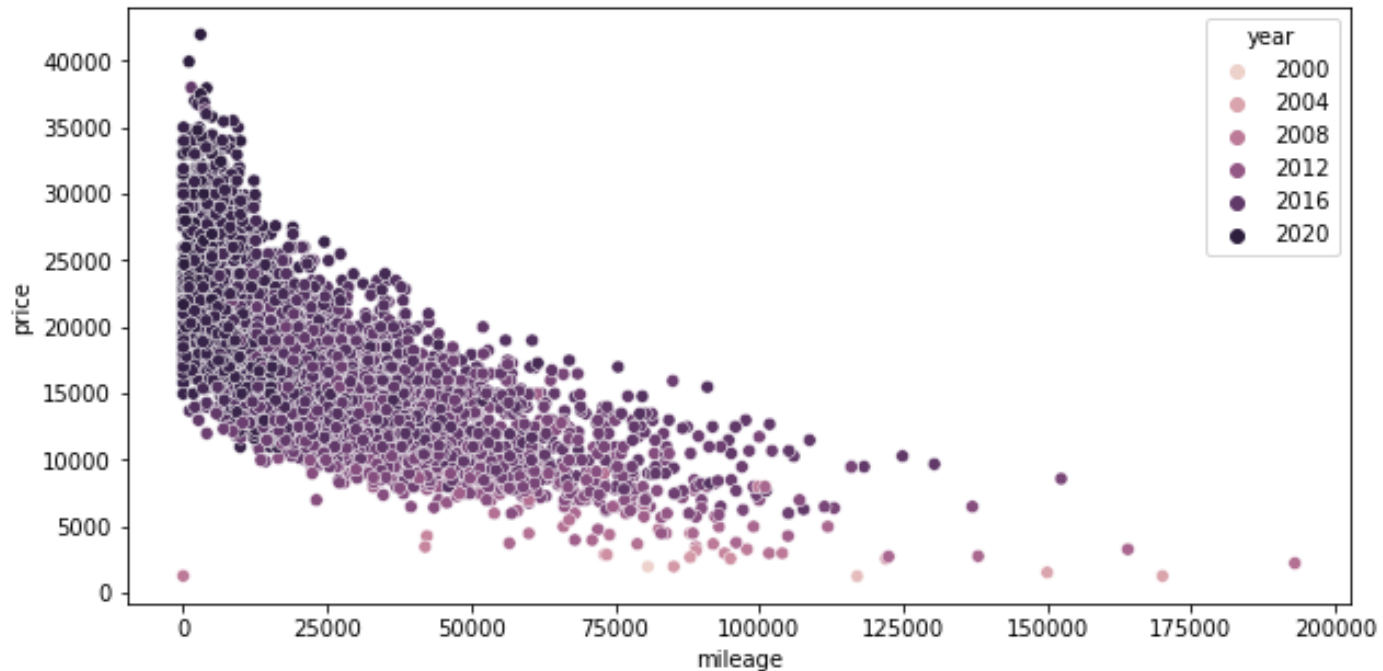


The count of selling cars in each year



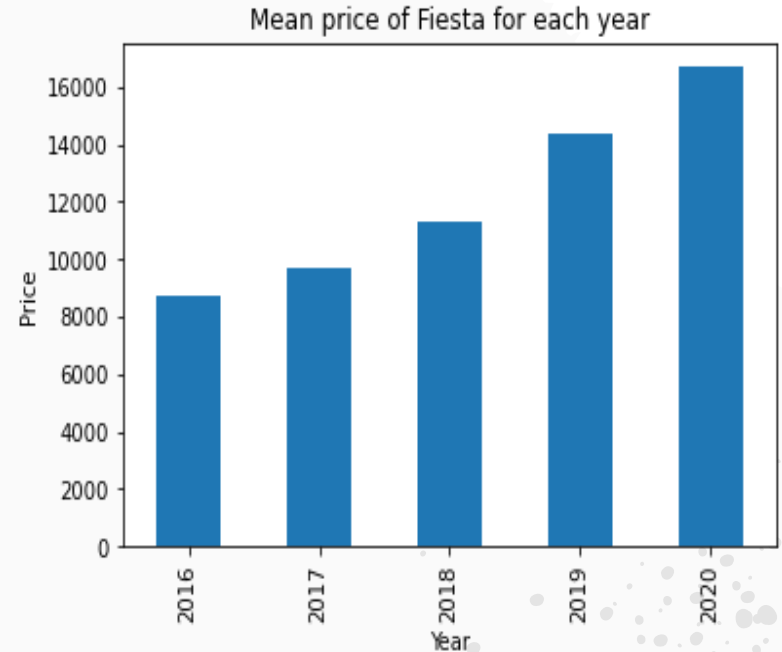
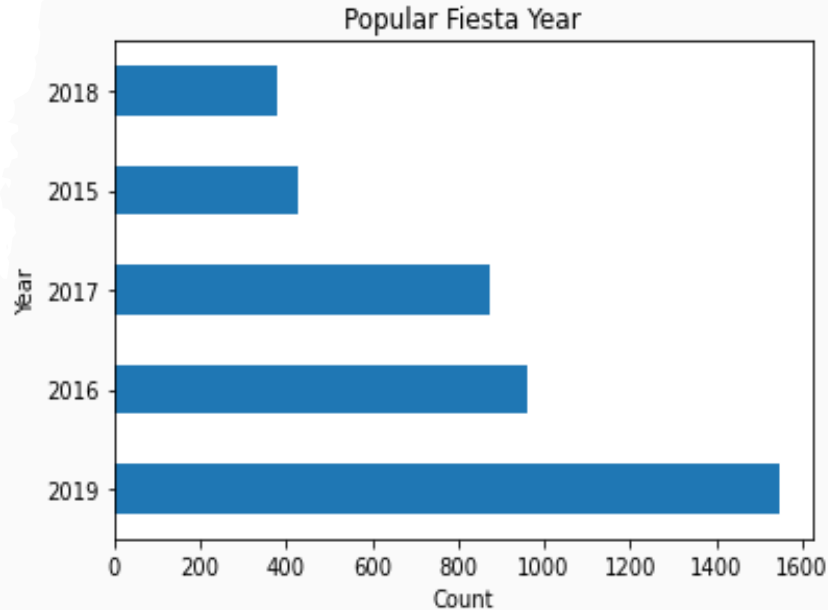
# Graphs:

This graph shown the **relationship** between **price**, **year**, **mileage**



# Graphs:

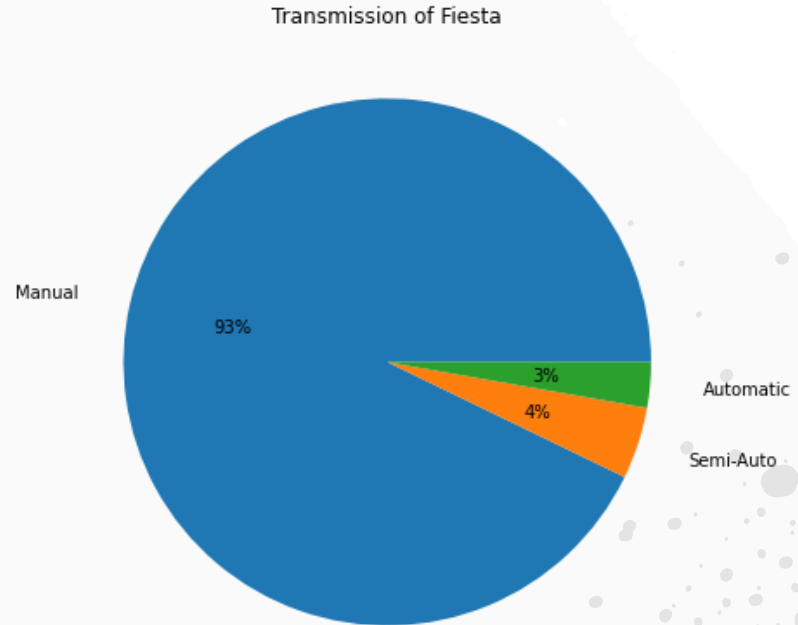
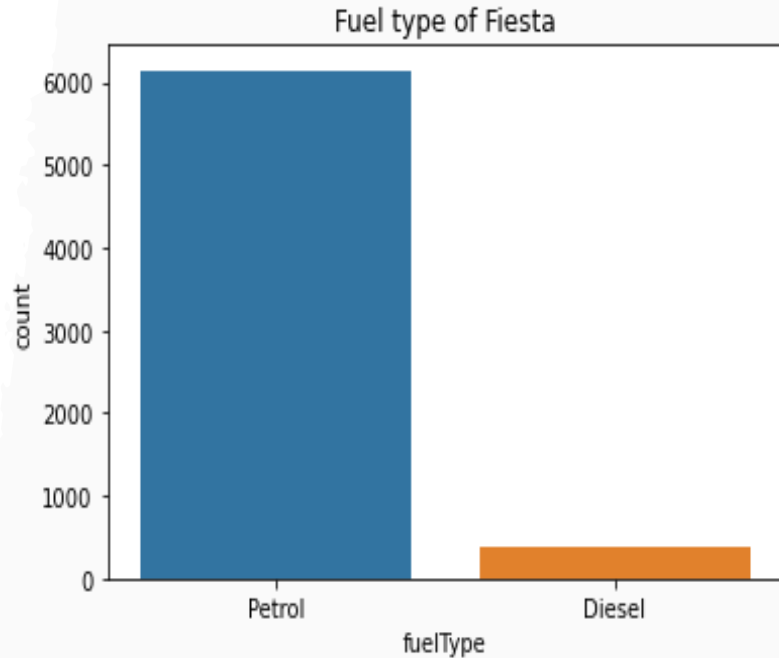
This bar graphs shows most popular Fiesta **year** is **2019** and the **mean** price is **14,371 Pound** .





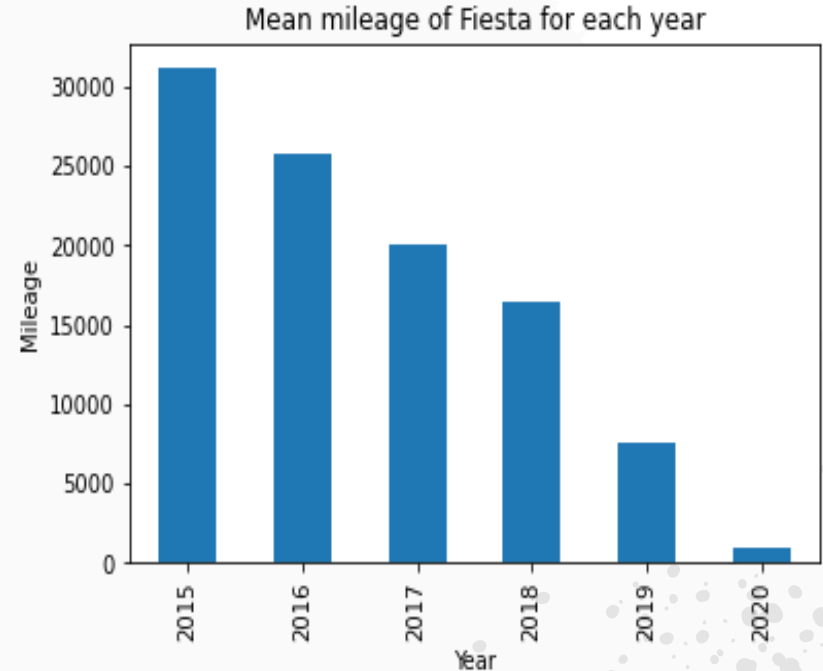
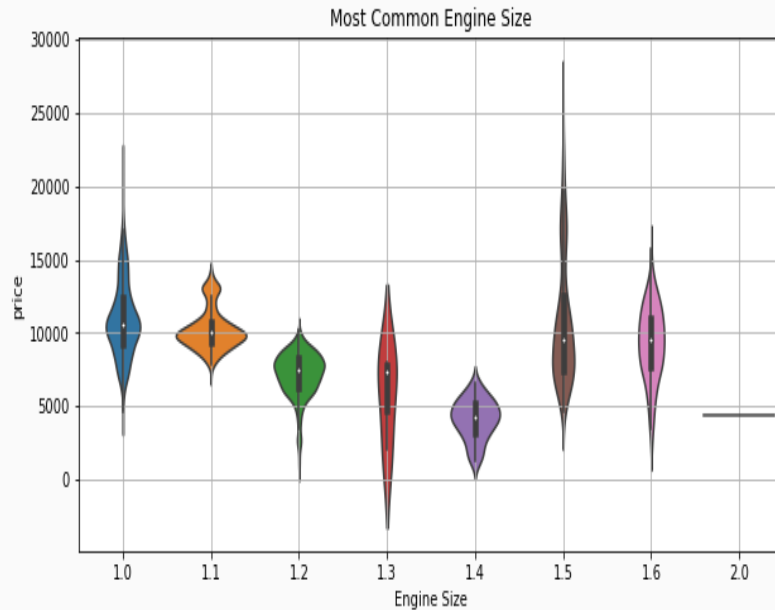
# Graphs :

This graph shown the percentage of transmission for Fiesta and fuel type.



# Graphs :

This graph show the most common **Engine** which is **1.5** and the mean mileage for Fiesta for each year and we noticed the **mean** mileage for 2019 is **7502** kilo.





## Overview

So the top 5 used car is **Fiesta, Golf, Focus, Polo, Kuga.**

The most common manufacturer year is **2019**



## Overview

We found that the **newer** car will be more **expansive**, and the **lower mileage** also **increase** the **price**



## conculosion

We will focus in top 5 cars to make our exhibition more competitive and attract the costumer, but the exhibition will be diversified at the same time so that everyone has the choices.



# THANKS !

Any questions?