



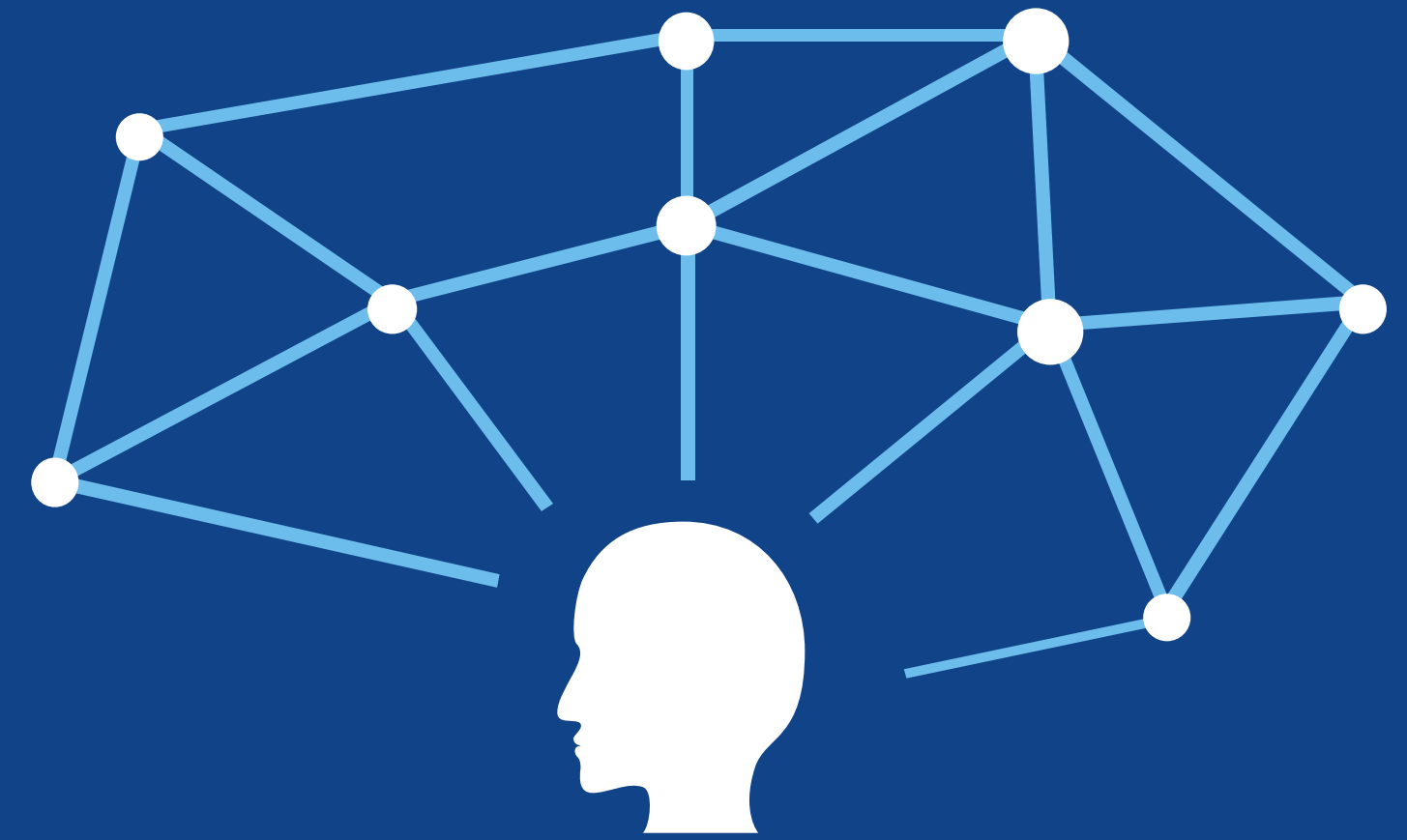
Predict Price of the Used Cars

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Problem Statement

This model will help predict the price of used cars and help buyers know the real value of cars, so prices cannot be manipulated.

Data Source



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I used the dataset from Kaggle.com. It contains information about used Audi cars with many different features such as model, year, price, engine size, etc. This dataset contains more than 10669 records.



Data Preparing



Missing values

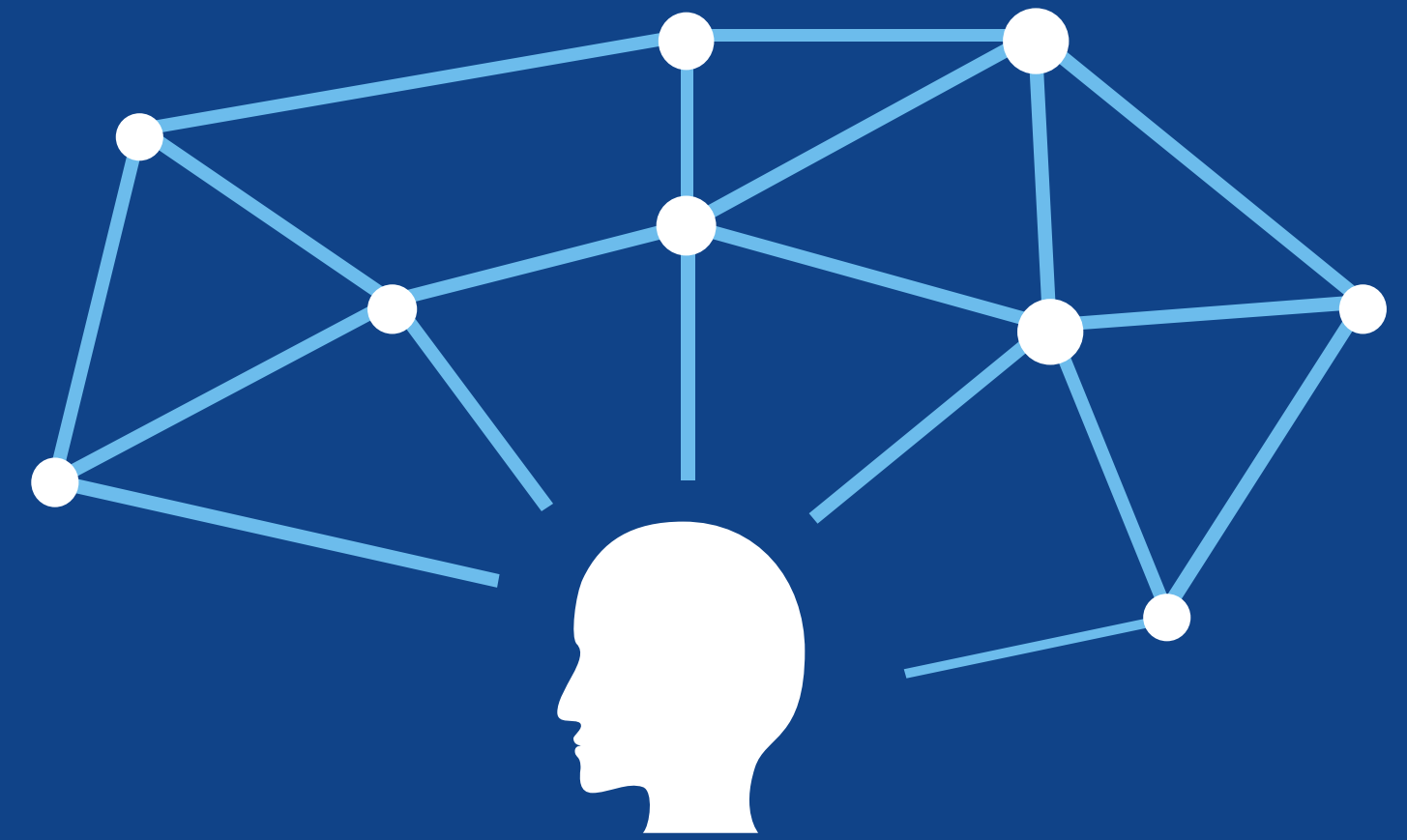


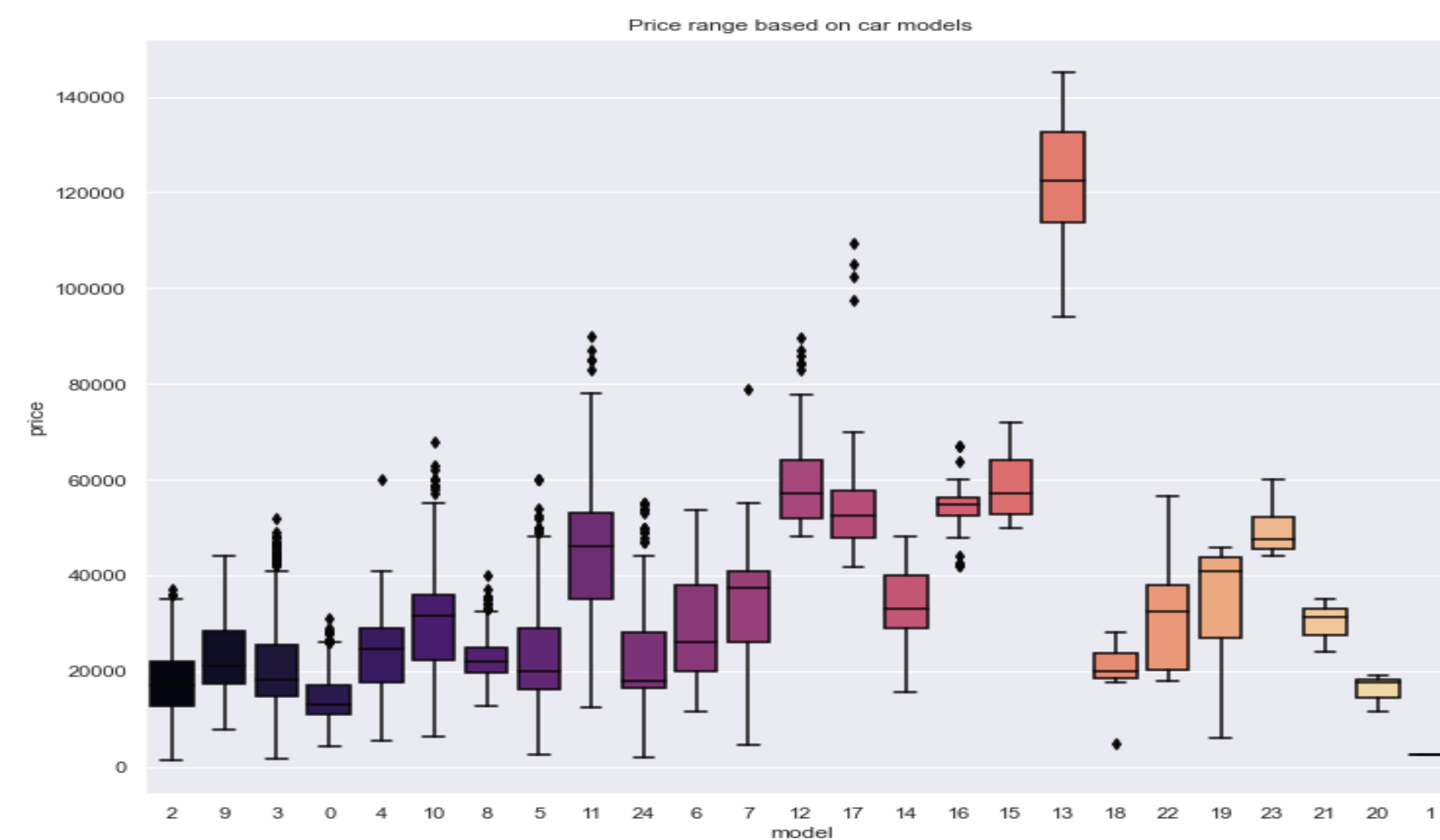
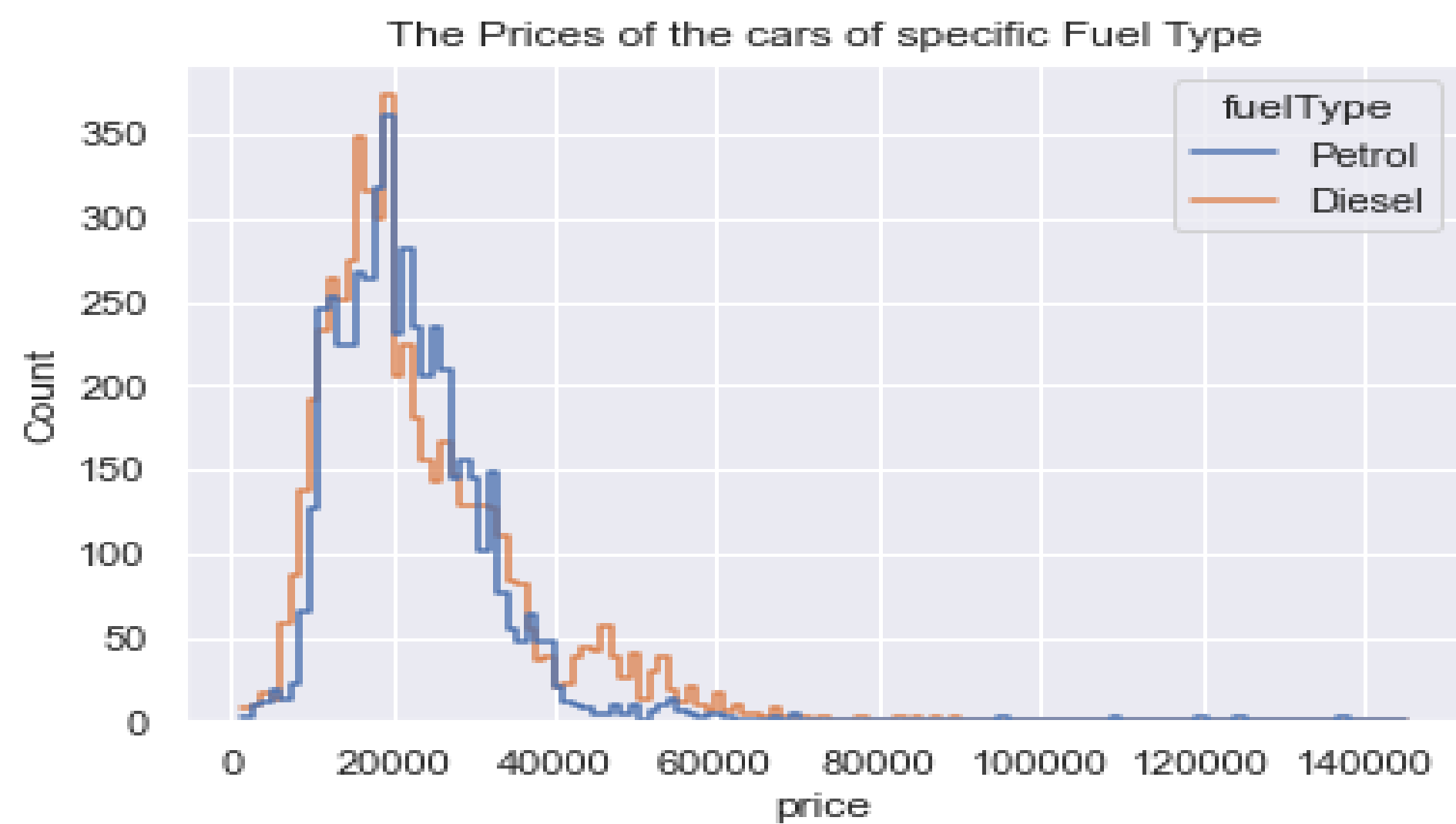
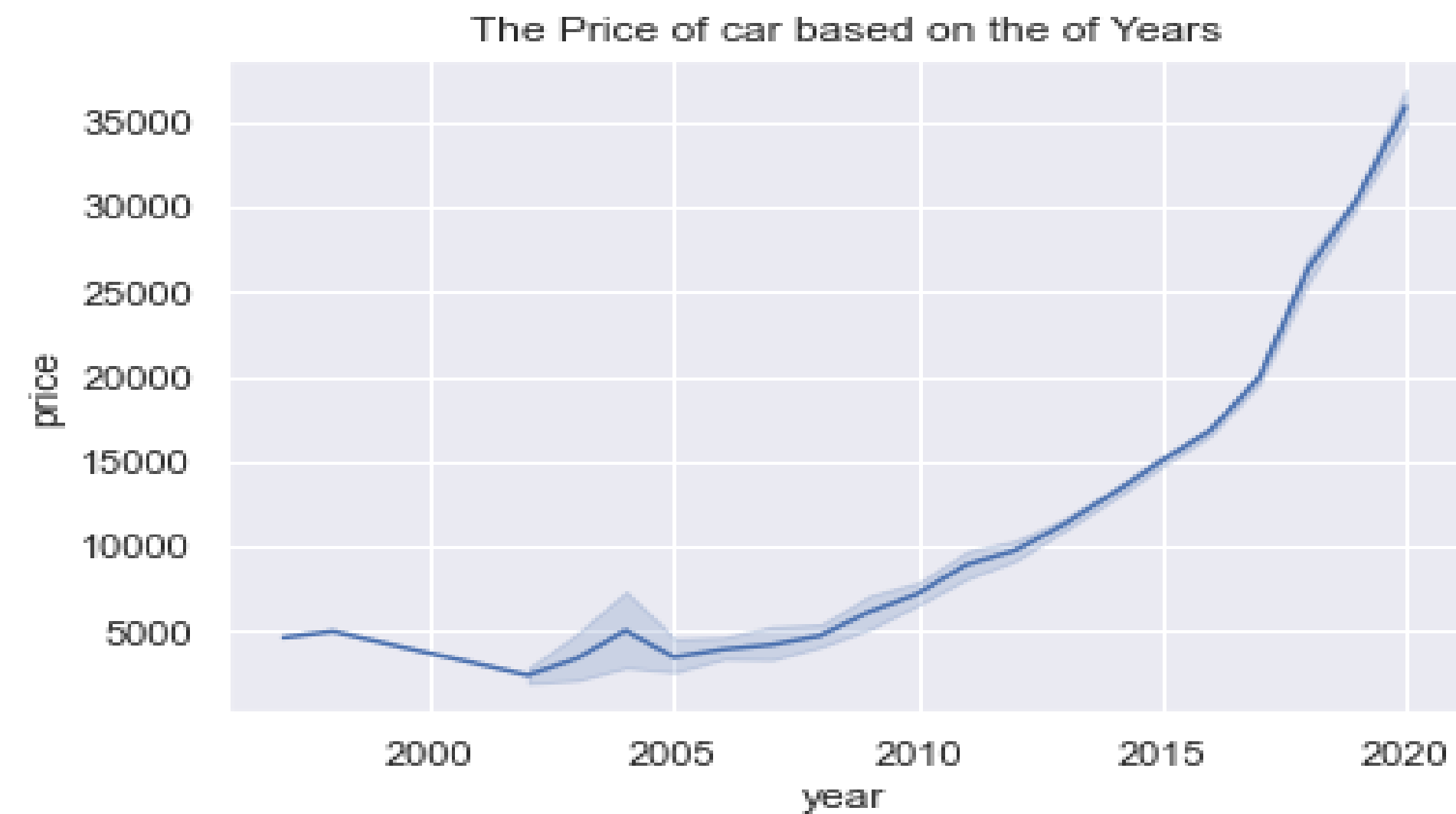
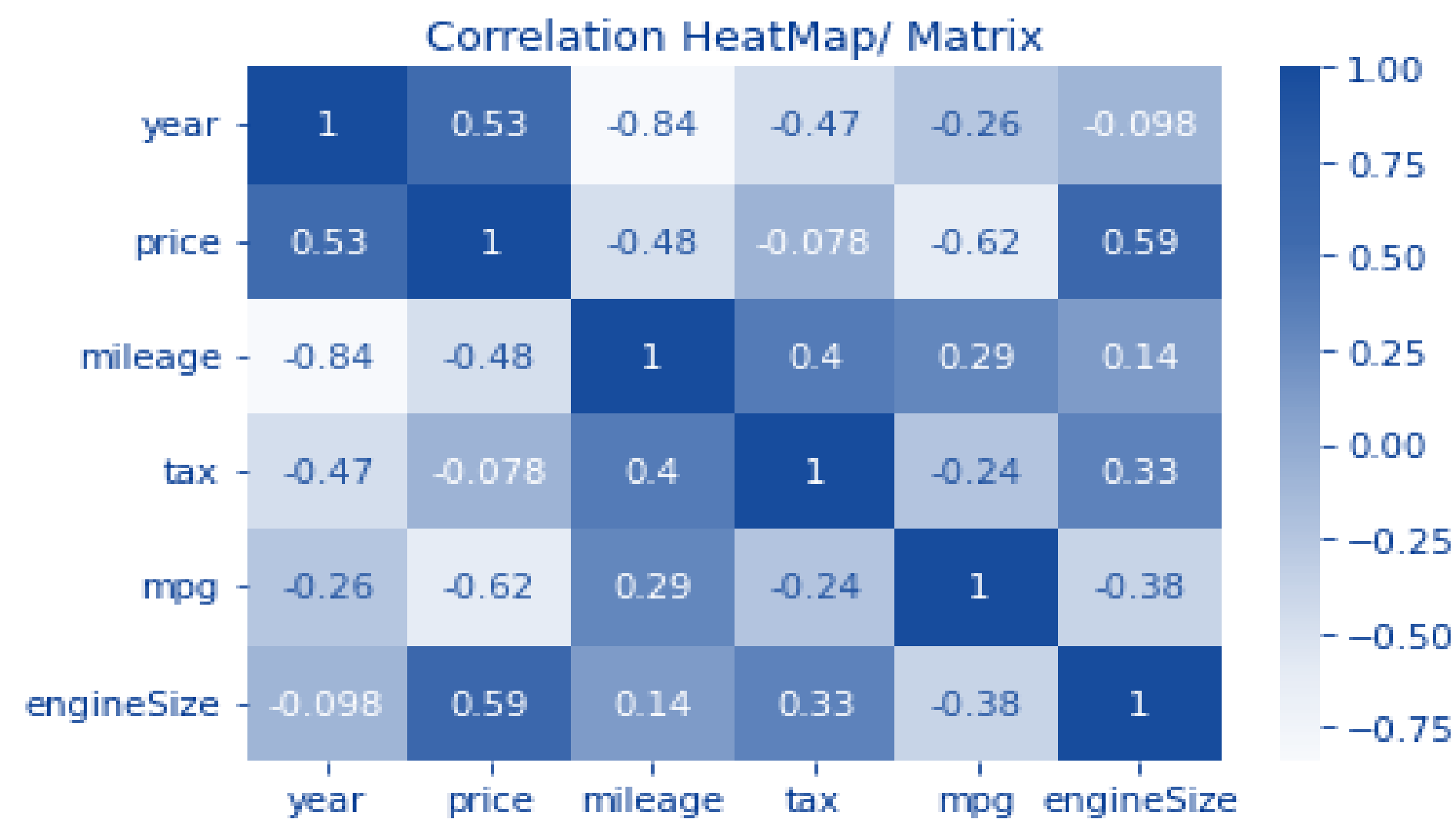
Outliers



Label Encoding Technique

Exploratory Data Analysis





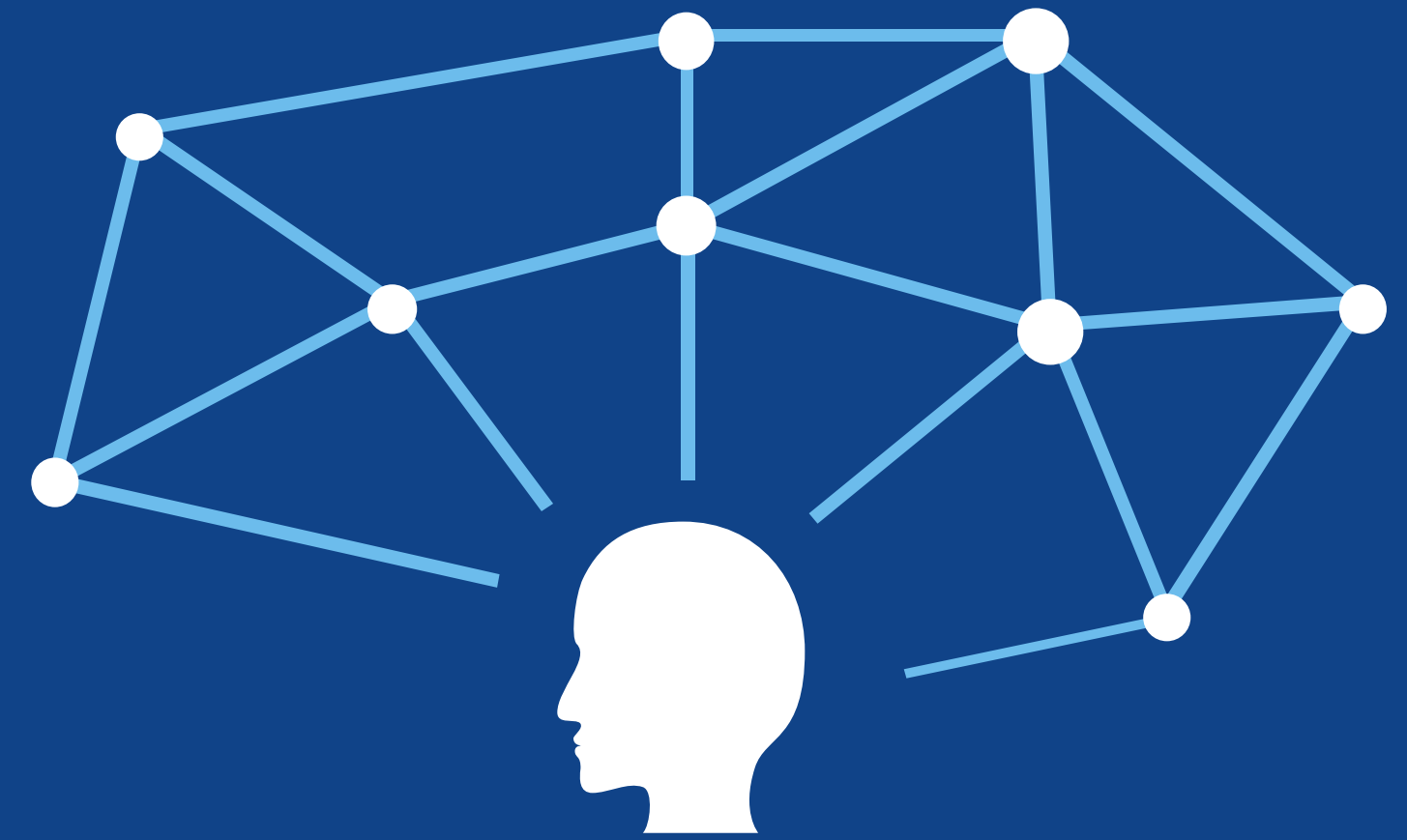
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Train and Test Data

The data was split into two different parts for model creation: 65% Train and 35% Test.



Models



The accuracy of models

	Linear Regression	Random Forest	CatBoost(r2)
Accuracy	80.23%	95.56%	96%

Conclusion

As it is clear to us, we can say that CatBoost is the most reliable model because it has the highest accuracy rate.



Thank You

