



DATA VISUALIZATION

# DA3304 APPLIED PROGRAMMING FOR DATA

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DATA VISUALIZATION

# INTRODUCTION

*Generate Meaningful Visualization for business  
to get better insight on their businesses.*

*10 Visualization*

*4 of them are important visualization, that can  
help the business to make better decision.*



# BUSINESS UNDERSTANDING

- Gaining a thorough grasp of the variables that affect pricing and attractiveness is essential for success in the dynamic world of used automobile sales
- Knowledge gained from this research, firms should be able to confidently and accurately negotiate the competitive environment of the used Hyundai automobile market when making decisions about pricing strategies, inventory management, and market positioning.

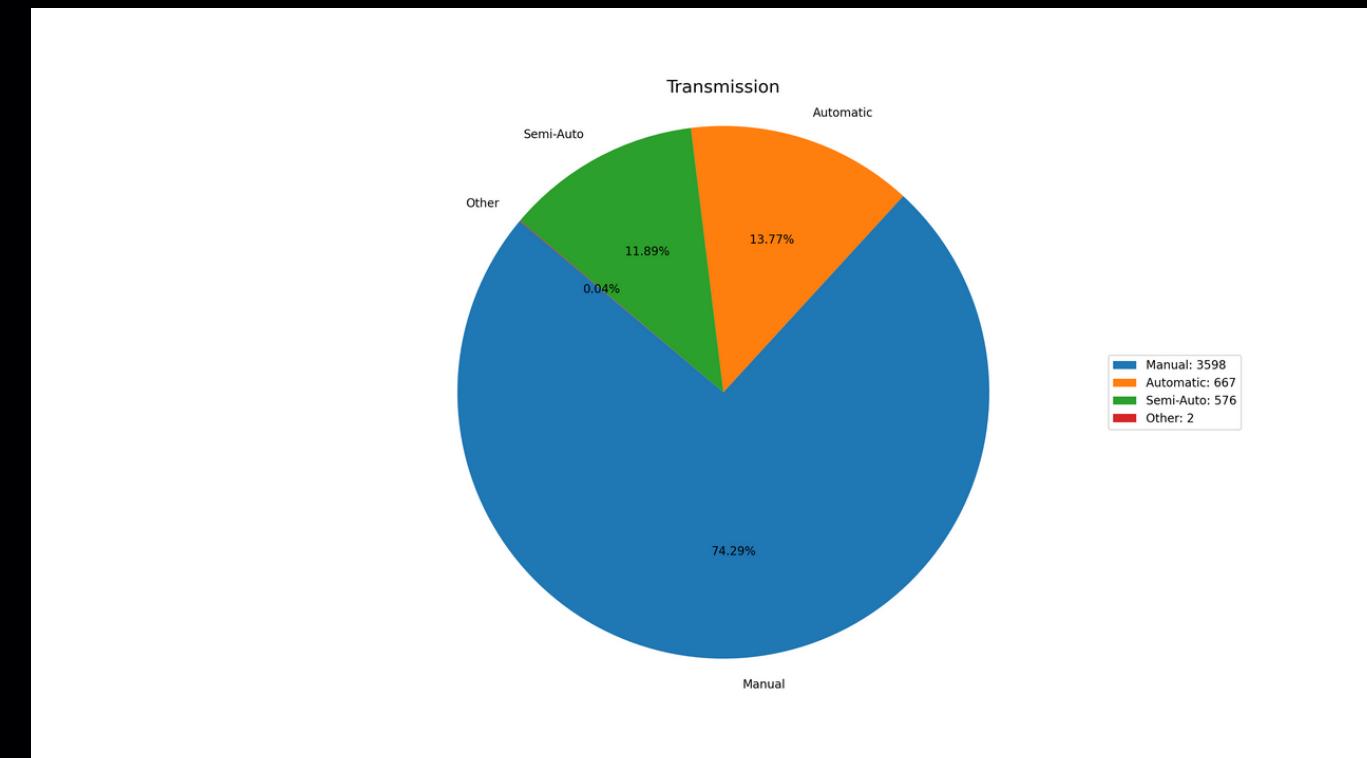
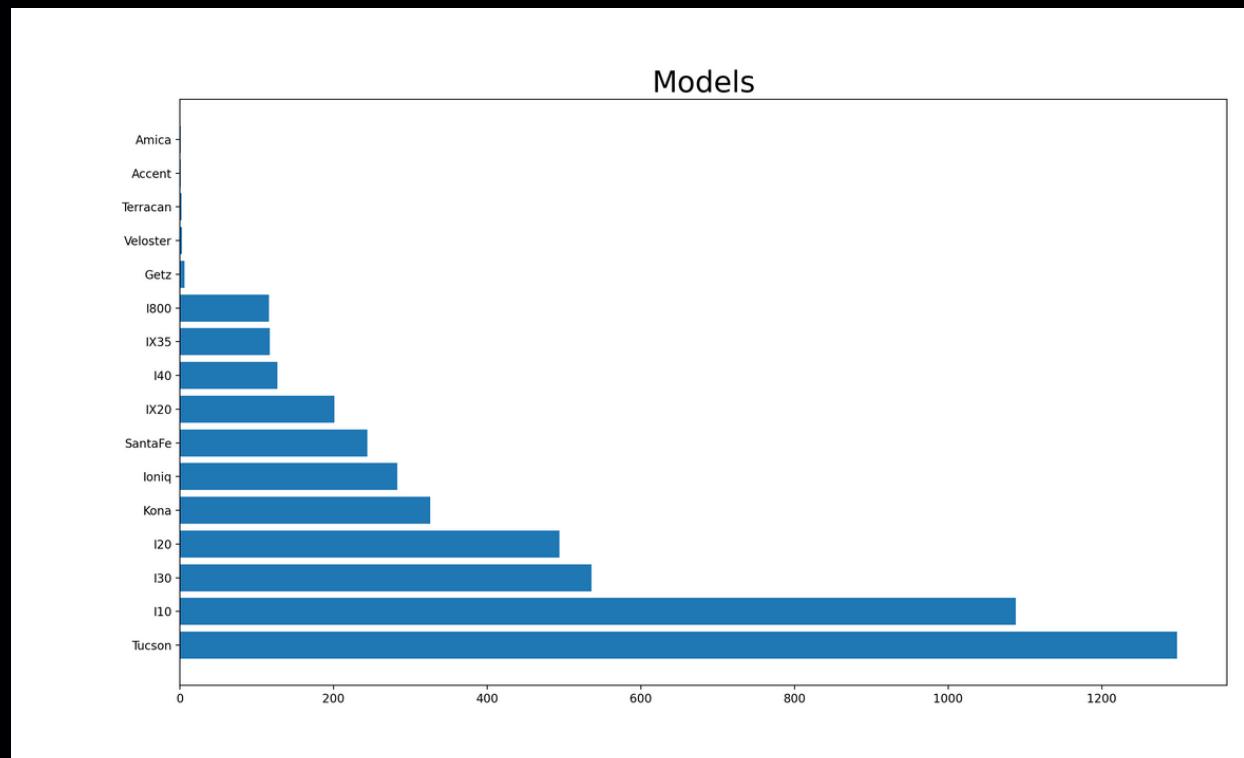
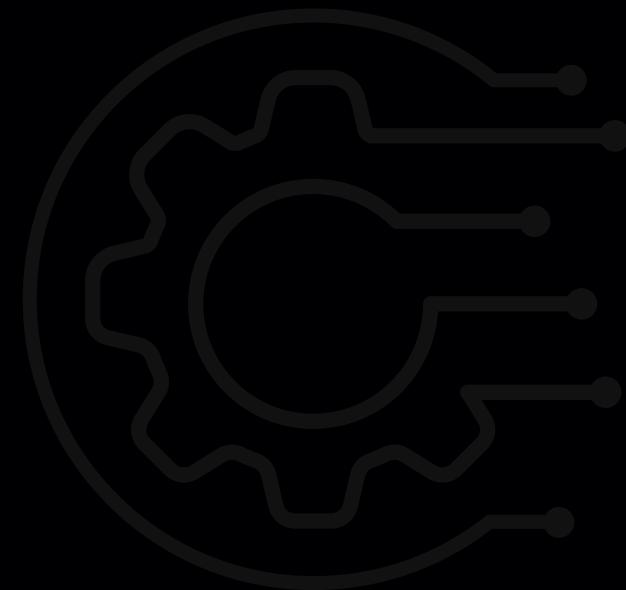
The following conclusions are conceivable:

- Market Demand
- Tax Implications
- Transmission Preferences
- Year of Registration
- Data Quality



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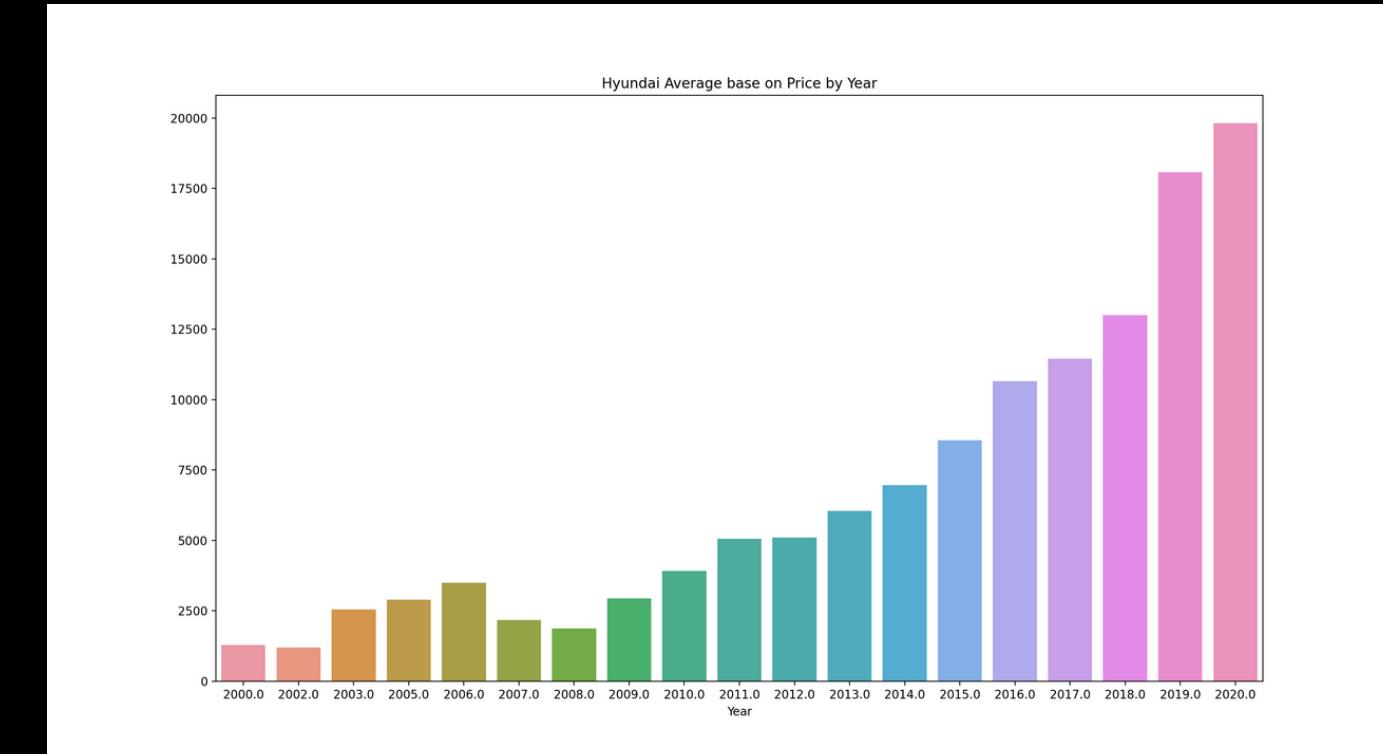
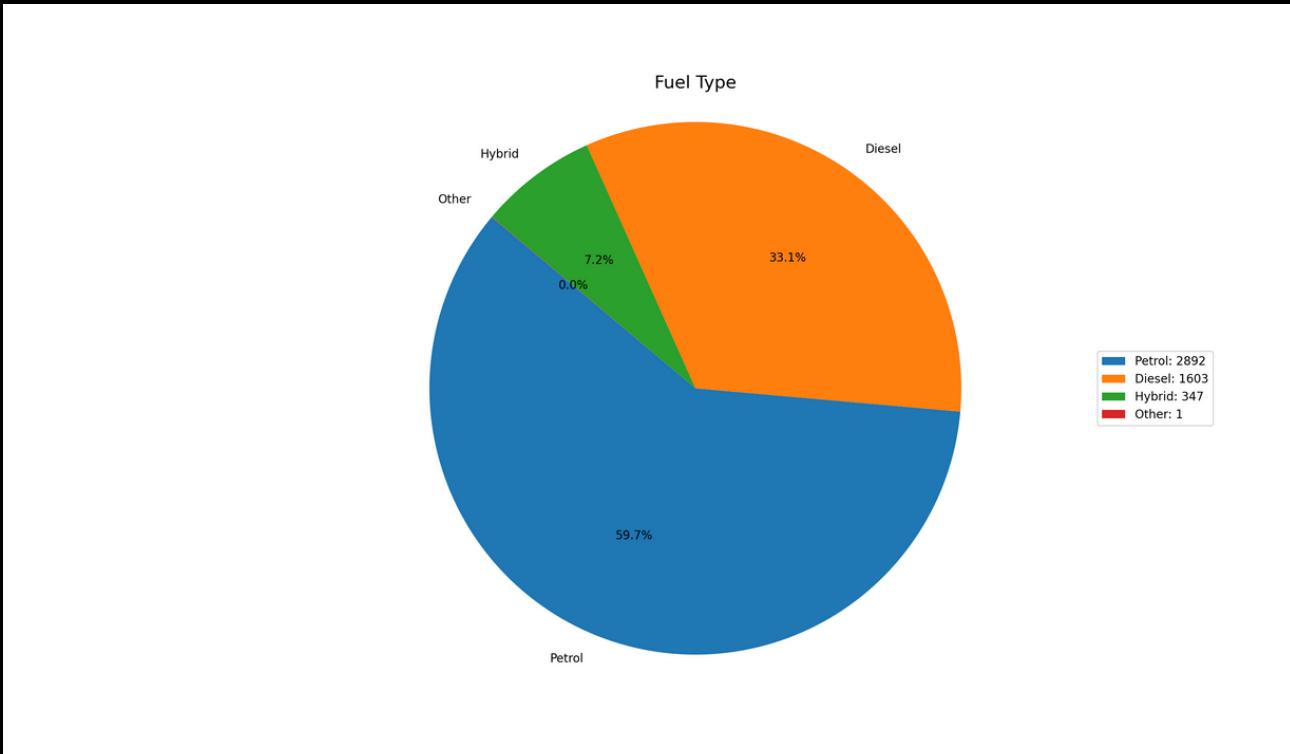
# DATA VISUALISATIONS





DATA VISUALIZATION

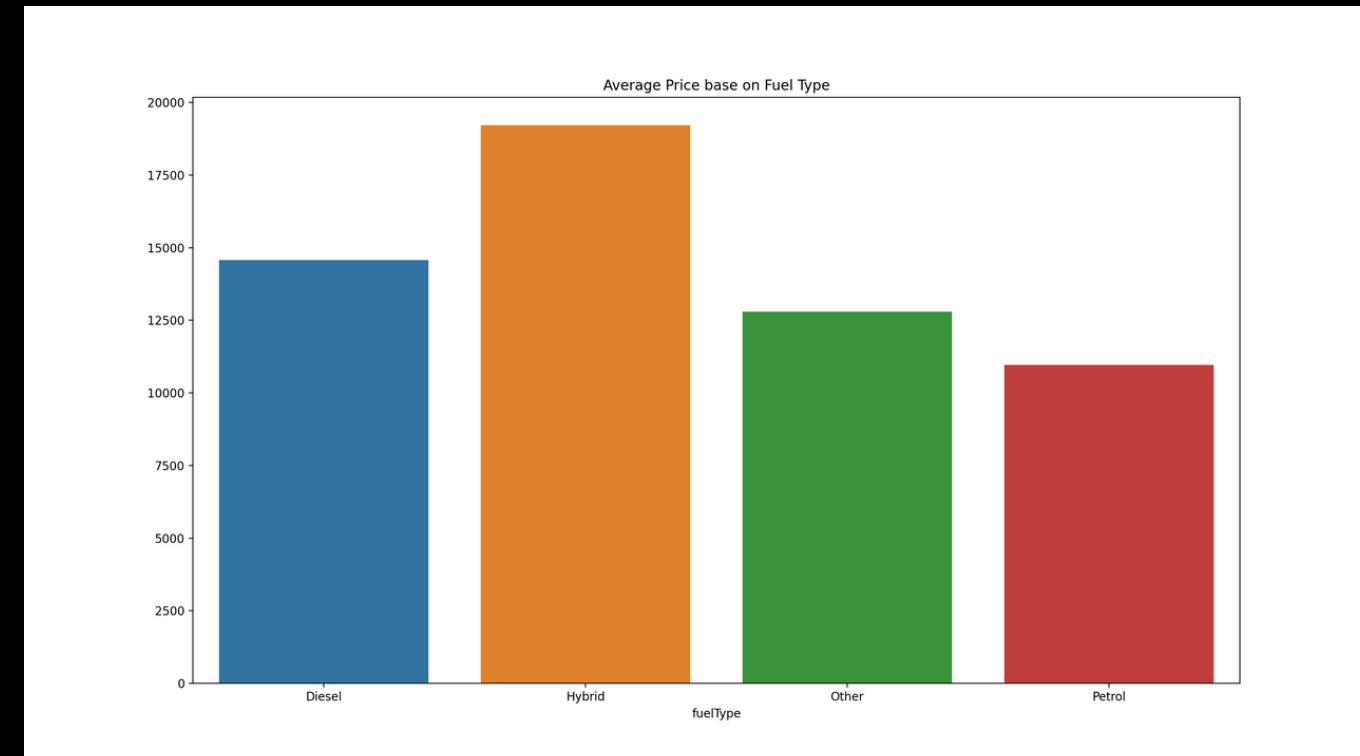
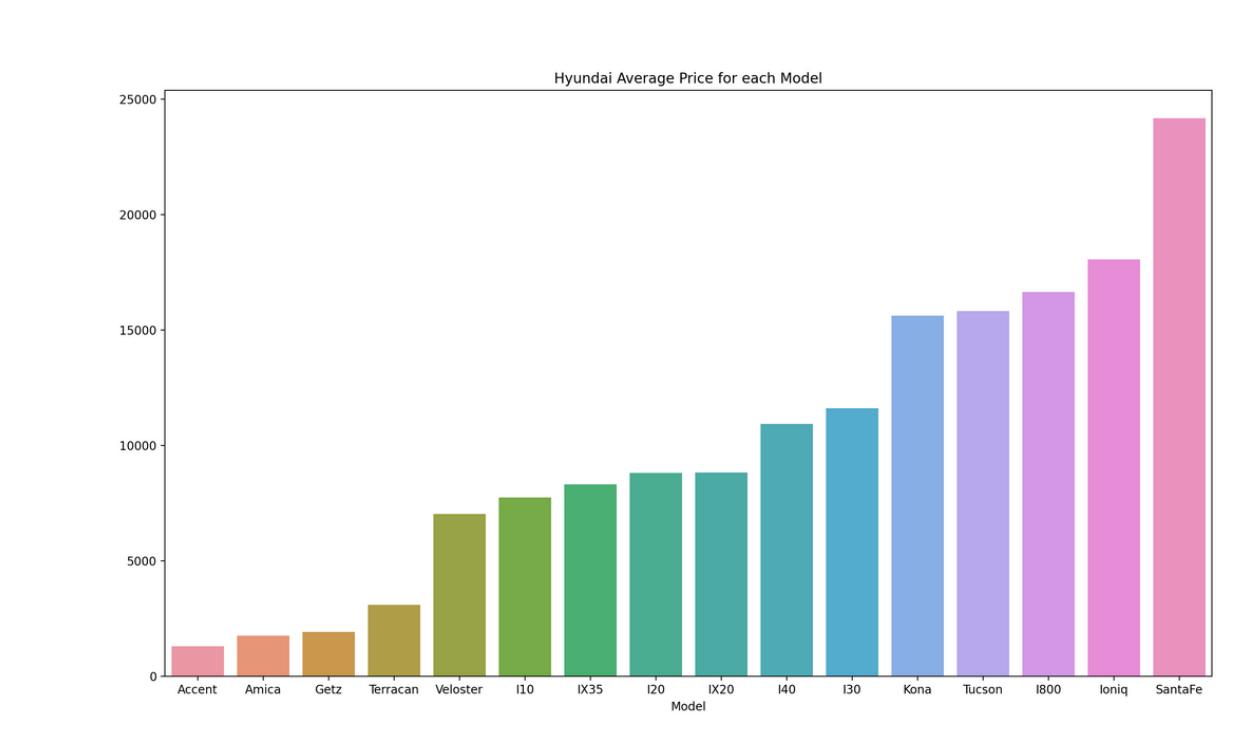
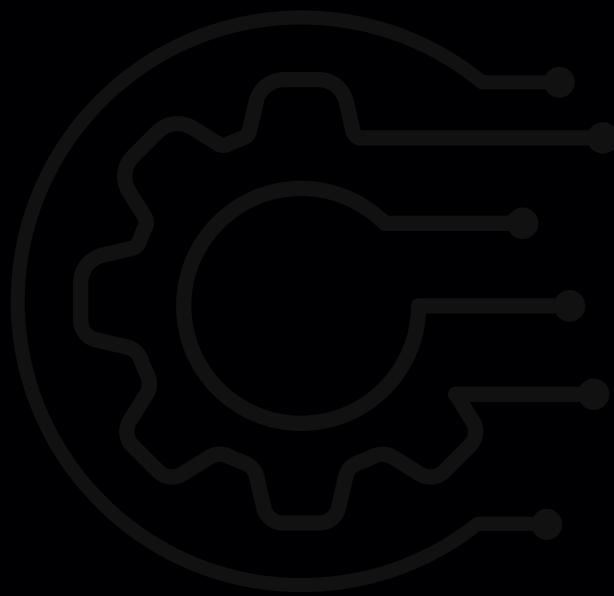
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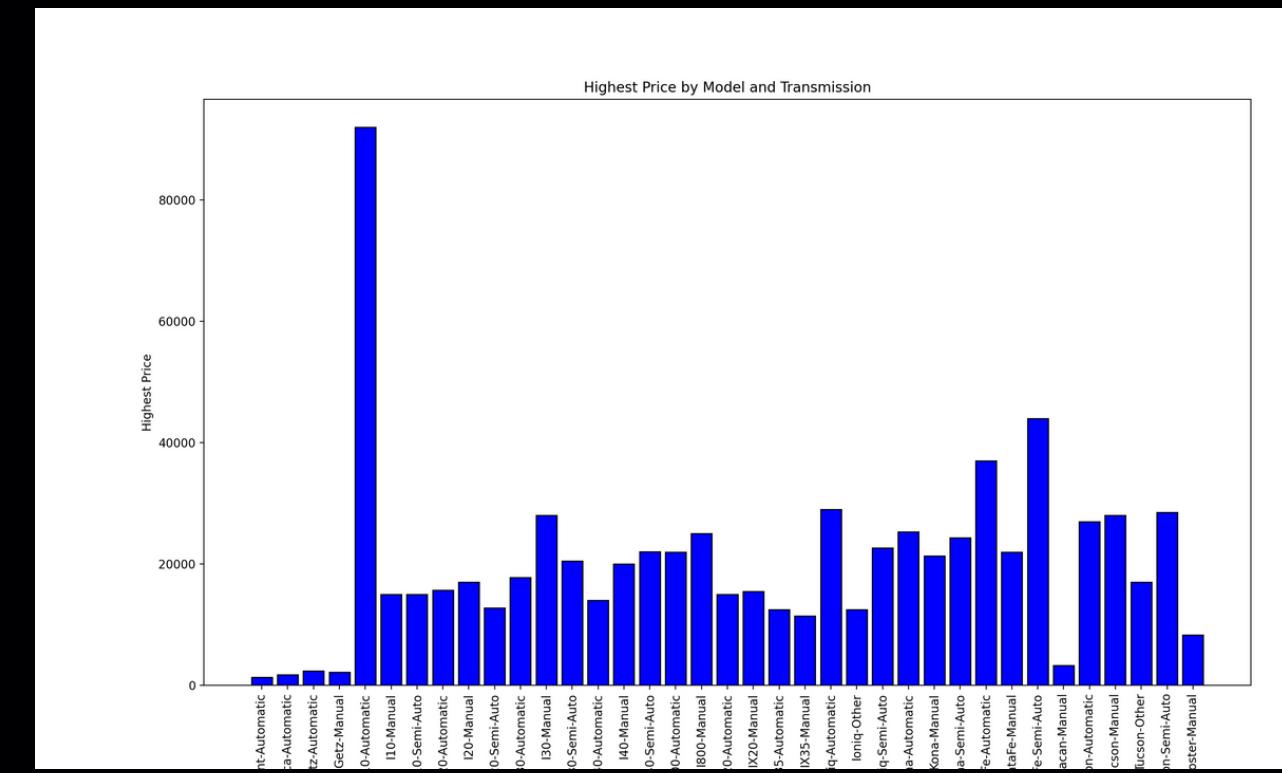
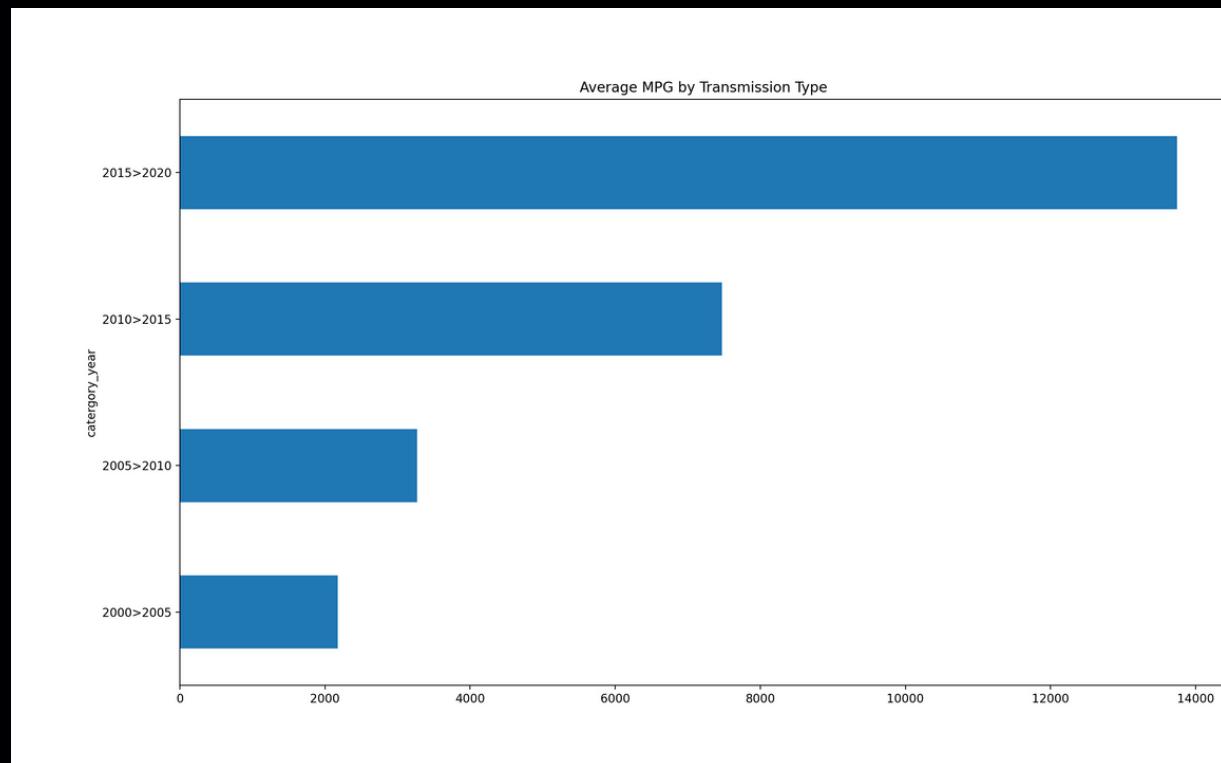
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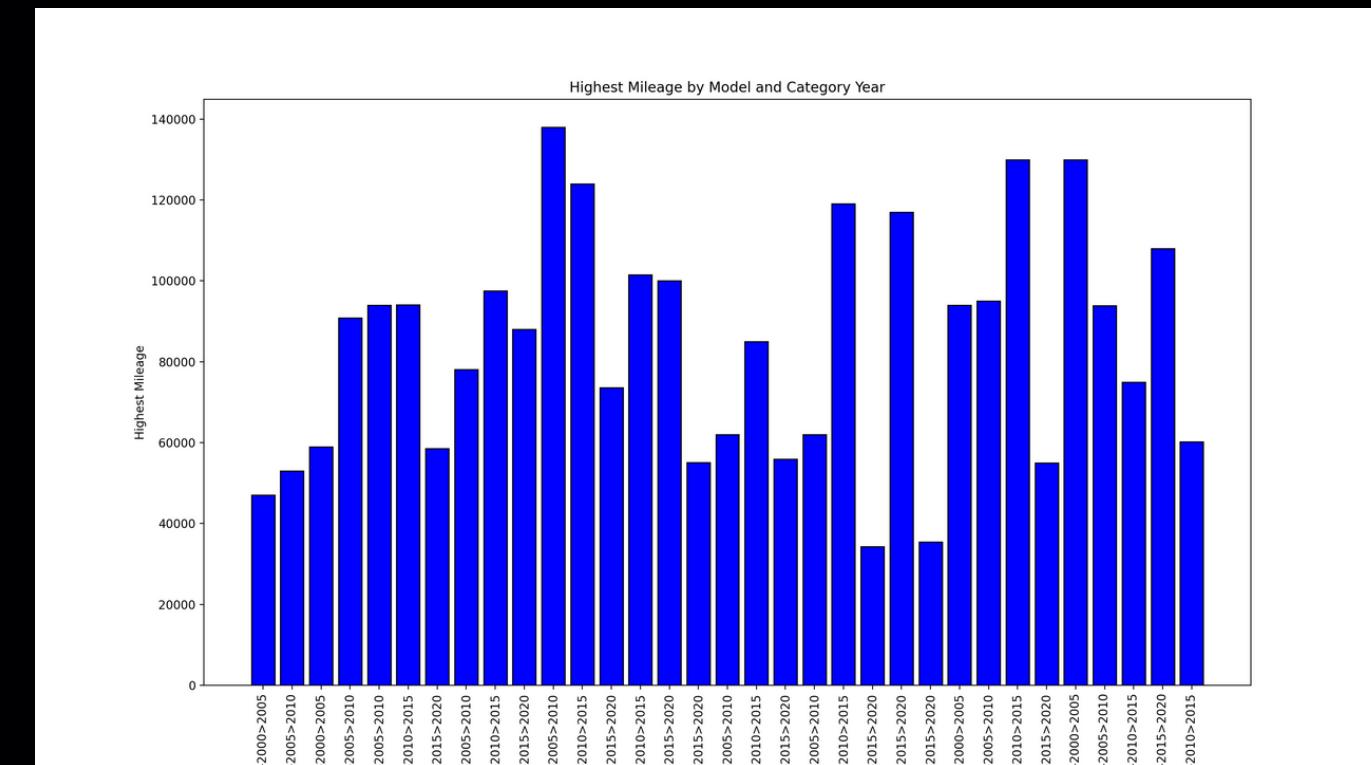
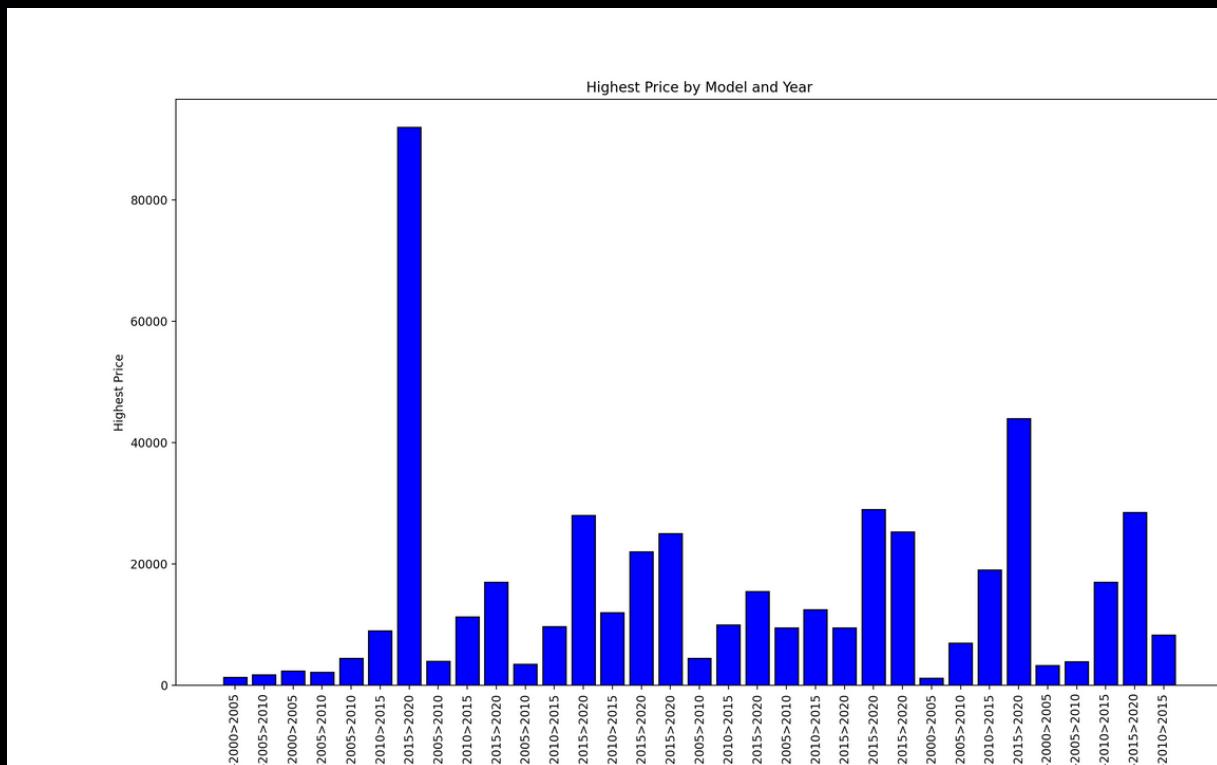
# DATA VISUALISATIONS





DATA VISUALIZATION

# DATA VISUALISATIONS





# RECOMMENDATIONS

## Application

- Visualizations help organizations understand the impact of elements on factors like model and year, especially personal aspects that may be driving trends in their business.
- The dataset's attributes are straightforward, facilitating data exploration, but limitations arise when attempting to describe certain visualizations due to insufficient context.
- To generate more accurate and meaningful visualizations, it's recommended to have a more specific dataset with richer information.
- Visualizations are somewhat limited because the provided data is primarily categorical and interdependent, which can restrict achieving desired objectives.
- Expanding the dataset with a greater variety of data types is advised for better practice and achieving desired results in data visualization.



# CONCLUSION

- Data visualization is effective for conveying information and insights through different graphical representations.
- The study aims to create meaningful data visualizations through data analysis techniques.
- Data Preparation is required for the Hyundai used vehicle listing dataset due to missing variables.
- Ten visualizations were developed using Visual Studio Code, with four considered crucial for aligning with business objectives.
- These visualizations offer insights on achieving company goals, improving operations, and competitive strategies.



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# THANK YOU

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