Car Sales Analysis

Project Overview

This project analyzes car sales data to gain insights into sales trends, pricing, and car characteristics. By using Python and the Pandas library, we clean, transform, and explore the dataset to reveal valuable information. This project also involves visualizing data to enhance understanding and exporting a transformed version of the dataset.

Data Import and Initial Overview

We begin by loading the car-sales.csv file and examining the initial structure of the data.

[7]:
```
import pandas as pd
```

[30]:
```
# Import Data
car_sales = pd.read_csv("car-sales.csv")
```

[32]:

	Make	Colour	Odometer	Doors	Price
0	Toyota	White	150043	4	$4,000
1	Honda	Red	87899	4	$5,000
2	Toyota	Blue	32549	3	$7,000

Data Cleaning

To prepare the dataset for analysis, I performed several cleaning operations:

```
[42]: # Exporting a dataframe
      car_sales.to_csv("exported-car-sales.csv", index=False)
```

[44]:

	Make	Colour	Odometer	Doors	Price
0	Toyota	White	150043	4	$4,000
1	Honda	Red	87899	4	$5,000
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Conclusion

This data engineering project provided valuable insights into car sales data by analyzing trends, performing data cleaning and transformations, and visualizing important metrics. The transformed dataset and visual findings can assist car dealerships or buyers in understanding market preferences and making informed purchasing decisions.