**Car Price Prediction EDA**

This repository contains an exploratory data analysis (EDA) of a dataset containing information about various cars, including their specifications and selling prices. The goal of this EDA is to understand the trends and patterns in the data, and to prepare the data for machine learning model development. The analysis includes data cleaning, data visualization, and feature engineering. The resulting clean and transformed dataset can be used to train a machine learning model to predict the selling price of a car based on its specifications. This model can assist potential buyers and sellers in estimating the fair market value of a car.

The EDA is performed using Python and its various libraries such as Pandas, NumPy, Matplotlib, and Seaborn. The code is well-documented and easy to understand, making it easy for others to reproduce the analysis or build upon it. The repository also includes a Jupyter notebook for easy exploration and visualization of the data.

Overall, this EDA provides a comprehensive understanding of the car dataset and sets the foundation for building an accurate and reliable predictive model.

**Key Features**

* Data cleaning and preprocessing
* Data visualization
* Feature engineering
* Jupyter notebook for easy exploration and visualization

**Technologies Used**

* Python
* Pandas
* NumPy
* Matplotlib
* Seaborn

**Usage**

1. Clone the repository to your local machine.
2. Open the Jupyter notebook and run the cells to perform the EDA.
3. Use the cleaned and transformed dataset to build a machine learning model.

**Contributing**

We welcome contributions from the community. If you'd like to contribute, please fork the repository and make changes as you'd like. Pull requests are warmly welcome.