Cars Price Linear Regression

Abstract

The purpose of this project was to use linear regression to predict cars prices using features and characteristics.

Data

A collection of cars and their features were scraped from yallamotor.com Features include car name, price , engine capacity ,cylinder, horse power ,top speed ,seats, brand ,country.

- 6308 rows & 9 columns

Design

- What is the effect of features on cars price ?

Algorithms

- Problem understanding
- Data collection
- Data preparation
- Build the model
- Train the model
- Evaluate the model
- Choose the right model

Tools

Technologies

- Python
- Jupiter Notebook

Libraries

- NumPy
- Pandas
- Matplotlib
- Seaborn
- Sklearn
- Math Libraries

Communication

Slides containing visualizations