



Used Cars EDA & ML proposal

Introduction

- The used car market is a complex and dynamic market, with many factors influencing the price of a vehicle. The aim of this project is to develop a machine learning model that can accurately predict the price of a used car based on its features. This will enable buyers and sellers to make informed decisions when buying or selling a used car.

Back ground

- Determining the value of a used car is a challenging task, due to the many factors that drive a used vehicle's price on the market. Some of these factors include kilometers, make, model, year, fuel consumption, transmission, fuel type, and engine size . The focus of this project is to develop machine learning models that can accurately predict the price of a used car based on its features.

Dataset

- For this project, we will use a dataset on used car sales from all over Germany . The dataset contains information on the sale prices of different makes and models across German Cities! The features available in this dataset are 'brand', 'model', 'color', 'registration_date','year','price_in_euro', 'power_kw', 'power_ps', 'transmission_type','fuel_type', 'fuel_consumption_l_100km', 'fuel_consumption_g_km','mileage_in_km', 'offer_description'

Some of the EDA questions

- What is the most expensive model?
- Top 10 expensive cars in term of transmission type.
- Top 10 expensive car in term of power PS.
- Top 10 expensive car in term of KW
- What are the cars prices that takes the most Fuel Consumption?
- What are the prices by year of made?
- What are the prices by Milage in km?
- What are the prices by fuel type?

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