Australian vehicle prices

Team Members

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Project description

Using a dataset with prices of vehicles sold in Australia since 2023 found in Kaggle https://www.kaggle.com/datasets/nelgiriyewithana/australian-vehicle-prices, we aim to create a website that allows users to search for specific car details and get an estimated price for the car. Behind this website, we are running a model that predicts car prices depending on the historical prices of cars sold in Australia in 2023. Therefore, the users will be able to determine if based on historical prices, the price of the car they are aiming to buy is fair.

Research question to answer

- Can historical prices of cars sold in Australia help to predict the fair price to be paid for a car?

Datasets to be used

This dataset contains the latest information on car prices in Australia for the year 2023. It covers various brands, models, types, and features of cars sold in the Australian market. It provides useful insights into the trends and factors influencing the car prices in Australia. The dataset includes information such as brand, year, model, car/suv, title, used/new, transmission, engine, drive type, fuel type, fuel consumption, kilometres, colour (exterior/interior), location, cylinders in engine, body type, doors, seats, and price. The dataset has over 16,000 records of car listings from various online platforms in Australia.

Rough breakdown of tasks

- Clean dataset and organise data to run a model
- Test the model until getting a high accuracy (higher than 75%)
- Deploy the model on a website to allow users to use it
- Generate conclusions
- Organise presentation