Second Project
(Proposal)

SDAIA T5 Bootcamp

Used Cars

Done by:
Aljoharah Alaqeel
Nasser Alquraini
Raghad Alnasser

Introduction:

Cars are one of the most important transportation in our life. Using your own car and not being dependent on public transportation can be convenient, economic, and saves you time.

In this project our dataset contains information about used cars listed on www.cardekho.com
This data can be used for a lot of purposes such as price prediction to exemplify the use of linear regression in Machine Learning.

Resource:

I got the dataset from Kaggle website
https://www.kaggle.com/nehalbirla/vehicle-dataset-from-cardekho?select=Car+details+v3.csv

About this data:

This Data contains 13 columns and 8129 rows.

Description of Dataset:

Feature	Description
Name	Name of the car and its model.
Year	The year of manufacture.
Selling_price	How much the car was sold out.

Km_driven	Indicates the number of kilometers the car traveled.
Fuel	The type of fuel, diesel, or petrol.
Seller_type	Who is the seller of the car, individual or a dealer.
Transmission	Type of transmission manual or automatic.
Owner	Number or people owned the car.
Mileage	Indicates the number of miles the car traveled.
Engine	Type of engine of a car.
Max_power	Maximum power of a vehicle.
Torque	Torque of a vehicle.
Seats	Number of seats the vehicle has.

Tools:

- Jupyter
- Pandas for data manipulation.
- Matplotlib for visualization.
- Word
- Numpy
- Github
- Prezi

Questions this project will answer:

1. Is there a relationship between selling price and the year of production?
2. Is there a relationship between selling price and KMderiven?
3. Does the type of fuel affect the selling price?
4. Does the transmission type affect the selling price?
5. Find out whether the number of owners used the car affect the selling price?
6. Whether the engine impact the selling price?
7. Does the number of seats impact the selling price?