**Car price prediction**

The dataset titled "Car price prediction” available on Kaggle is designed for predicting the price of used cars based on various attributes. Here's an overview of its structure and contents:

Dataset Overview:

* **File Name**: car data.csv
* **File Size**: 16.91 kB
* **Number of Columns**: 9

Columns:

1. **Car\_Name**: Name of the car (categorical)
2. **Year**: Year of the car's manufacturing (numerical)
3. **Selling\_Price**: Selling price of the car (target variable, numerical)
4. **Present\_Price**: Current market price of the car (numerical)
5. **Driven\_kms**: Kilometers driven by the car (numerical)
6. **Fuel\_Type**: Type of fuel used by the car (categorical)
7. **Selling\_type**: Selling type (categorical)
8. **Transmission**: Type of transmission (categorical)
9. **Owner**: Number of previous owners (numerical)

Tags and Usability:

* **Tags**: Tabular, Automobiles and Vehicles, Beginner, India, Regression
* **Usability Rating**: 10.00 (indicating high usability for machine learning tasks)
* **License**: CC0: Public Domain
* **Expected Update Frequency**: Never (static dataset)

Dataset Description:

This dataset is ideal for regression tasks where the goal is to predict the selling price of a used car based on its characteristics such as age (Year), current market price (Present\_Price), kilometers driven (Driven\_kms), fuel type (Fuel\_Type), transmission type (Transmission), and more. It's suitable for learning regression modeling techniques, exploring feature engineering, and evaluating various machine learning algorithms.

Usage Examples:[¶](https://www.kaggle.com/code/zainabbas110/car-price-prediction-r-squared-0-9732#Usage-Examples:)

* **Learning**: Useful for understanding how to train a car price prediction model.
* **Research**: Supports research in the domain of automotive pricing models.
* **Application**: Applicable for developing real-world applications related to used car valuation.

Data Quality:

* **Cleanliness**: Well-documented and maintained.
* **Originality**: Original dataset source on Kaggle with high-quality notebooks available for reference.

Additional Notes:

* The dataset has been actively viewed and downloaded, indicating its popularity and usefulness among data enthusiasts and learners.

This dataset provides a rich opportunity for exploration and experimentation in machine learning, particularly in the field of regression analysis applied to automotive data.