**Team 8 (DataVerse)**

**Topic Title:** Car Price Prediction

**Topic Proposal:**

The main objective of this project is to estimate the used car prices based on several attributes which include both numerical and categorical features using feature engineering and predictive modeling techniques.

**Modeling methods:**

1. Linear Regression
2. Decision Tree
3. Support Vector Regression
4. Lasso Regression
5. Random Forest

**SMART Questions:**

Which factors are important in the prediction of resale price of the car?

1. Is year of production adding any detailing in the prediction of resale prices of the car?
2. Are color and body type are influencing the resale values of a car in predictive modelling?
3. Is odometer value have any importance in the prediction of resale price of the car?
4. Are unknown features and number of photos adding any value in the prediction of resale prices of the car?
5. In predictive modeling, are the resale prices of the cars influenced by the type of fuel and engine?

**Source of the Dataset:**

This dataset is collected from Kaggle in order to explore the used cars market.

<https://www.kaggle.com/datasets/lepchenkov/usedcarscatalog?selectcars.csv=>

**Number of Observations**: 38,532 observations.

**Team GitHub Repository Link:**

Please find the GitHub Repository link below: <https://github.com/MANOJKUMAR1302/22FA_Dataverse_Team08>