CAR PREDICTION:

In this project I'm trying to analyse and visualize the used car prices from the dataset. In order to predict the most probable car prices with the use of basic linear regression models: Linear Regression, Ridge Regression, Lasso Regression.

Dataset Description

This dataset contains information about used cars listed on www.cardekho.com. We are going to use for finding predictions of price with the use of regression models.

Dataset Description

The datasets consist of several features include:

1. *Car_Name : This column should be filled with the name of the car.*
2. *Year : This column should be filled with the year in which the car was bought.*
3. *Selling_Price : This column should be filled with the price the owner wants to sell the car at.*
4. *Present_Price : This is the current ex-showroom price of the car.*
5. *Kms_Driven : This is the distance completed by the car in km.*
6. *Fuel_Type : Fuel type of the car i.e Diesel,Petrol,CNG*
7. *Seller_Type : Defines whether the seller is a dealer or an individual.*
8. *Transmission : Defines whether the car is manual or automatic.*
9. *Owner : Defines the number of owners the car has previously had.*

***Conclusion**:*

The increased prices of new cars and the financial incapability of the customers to buy them, Used Car sales are on a global increase. Therefore, there is an urgent need for a Used Car Price Prediction system which effectively determines the worthiness of the car using a variety of features. The proposed system will help to determine the accurate price of used car price prediction. By performing different models, it was aimed to get different perspectives and eventually compared their performance. With this study, it purpose was to predict prices of used cars by using a dataset that has 13 predictors and 380962 observations. With the help of the data visualizations and exploratory data analysis, the dataset was uncovered and features were explored deeply. The relation between features were examined. At the last stage, predictive models were applied to predict price of cars.