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|---|---|
| **Project** | **Car Resale value prediction** |
| **Team ID** | **PNT2022TMID01607** |
| **Date** | **26 August 2022** |

# Car Resale Value Prediction

## Read the Dataset

```
# loading the data from csv file to pandas dataframe

car_dataset = pd.read_csv('/content/car data.csv')

#inspecting the first five rows of the dataframe

car_dataset.head()
```

**output :**

```
index,Car_Name,Year,Selling_Price,Present_Price,Kms_Driven,Fuel_Type,Seller_Type,Tran
smission,Owner
0,ritz,2014,3.35,5.59,27000,Petrol,Dealer,Manual,0
1,sx4,2013,4.75,9.54,43000,Diesel,Dealer,Manual,0
2,ciaz,2017,7.25,9.85,6900,Petrol,Dealer,Manual,0
3,wagon r,2011,2.85,4.15,5200,Petrol,Dealer,Manual,0
4,swift,2014,4.6,6.87,42450,Diesel,Dealer,Manual,0
```

```
#checking the number of rows and columns

car_dataset.shape
```

**output :**

**(301,9)**

```
#getting some information about dataset

car_dataset.info()
```

output :

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 301 entries, 0 to 300
Data columns (total 9 columns):
 #   Column          Non-Null Count  Dtype  
---  ------          --------------  -----  
 0   Car_Name        301 non-null    object 
 1   Year            301 non-null    int64  
 2   Selling_Price   301 non-null    float64
 3   Present_Price   301 non-null    float64
 4   Kms_Driven      301 non-null    int64  
 5   Fuel_Type       301 non-null    object 
 6   Seller_Type     301 non-null    object 
 7   Transmission    301 non-null    object 
 8   Owner           301 non-null    int64  
dtypes: float64(2), int64(3), object(4)
memory usage: 21.3+ KB
```

```
#checking the number of missing values

car_dataset.isnull().sum()
```

**output :**

```
Car_Name 0

Year 0

Selling_Price 0

Present_Price 0

Kms_Driven 0

Fuel_Type 0

Seller_Type 0

Transmission 0

Owner 0

dtype: int64
```