Team ID: PNT2022TMID21861

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
```