

Car Resale Value Prediction

Read the Datasets

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

```
car_dataset = pd.read_csv('data.csv')
car_dataset.head()
```

```
#inspecting the first five rows of the dataframe
```

```
car_dataset.head()
```

output :

Unnamed: 0	Name	Location	Year	Kilometers_Driven	Fuel_Type	Transmission	Owner_Type	Mileage	Engine	Power	Seats	New_Price	Price	
0	0	Maruti Wagon R LXI CNG	Mumbai	2010	72000	CNG	Manual	First	26.6 km/kg	998 CC	58.16 bhp	5.0	NaN	1.75
1	1	Hyundai Creta 1.6 CRDi SX Option	Pune	2015	41000	Diesel	Manual	First	19.67 kmpl	1582 CC	126.2 bhp	5.0	NaN	12.50
2	2	Honda Jazz V	Chennai	2011	46000	Petrol	Manual	First	18.2 kmpl	1199 CC	88.7 bhp	5.0	8.61 Lakh	4.50
3	3	Maruti Ertiga VDI	Chennai	2012	87000	Diesel	Manual	First	20.77 kmpl	1248 CC	88.76 bhp	7.0	NaN	6.00
4	4	Audi A4 New 2.0 TDI Multitronic	Coimbatore	2013	40670	Diesel	Automatic	Second	15.2 kmpl	1968 CC	140.8 bhp	5.0	NaN	17.74

```
#checking the number of rows and columns
```

```
car_dataset.shape
```

output :

```
(6019, 14)
```

```
#Get some information about dataset
```

```
Car dataset.info()
```

```
<class 'pandas.core.frame.DataFrame'>
```

```
RangeIndex: 6019 entries, 0 to 6018
```

```
Data columns (total 14 columns):
```

#	Column	Non-Null Count	Dtype
0	Unnamed: 0	6019 non-null	int64
1	Name	6019 non-null	object
2	Location	6019 non-null	object
3	Year	6019 non-null	int64
4	Kilometers_Driven	6019 non-null	int64
5	Fuel_Type	6019 non-null	object
6	Transmission	6019 non-null	object
7	Owner_Type	6019 non-null	object
8	Mileage	6017 non-null	object
9	Engine	5983 non-null	object
10	Power	5983 non-null	object
11	Seats	5977 non-null	float64
12	New_Price	824 non-null	object
13	Price	6019 non-null	float64

```
dtypes: float64(2), int64(3), object(9)
```

```
memory usage: 658.5+ KB
```

```
#checking the number of missing values
```

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

```
Unnamed: 0          0
Name              0
Location          0
Year             0
Kilometers_Driven  0
Fuel_Type         0
Transmission      0
Owner_Type        0
Mileage           2
Engine            36
Power             36
Seats            42
New_Price         5195
Price             0
dtype: int64
```