## *DIVIDING INTO INDEPENDENT AND DEPENDENT FEATURES*

```
#removing unncessary columns in the dataset
main_df=Fe_df_cleaned.drop(columns=['dateCrawled','dateCreated','name'
,'lastSeen','brand','model'],axis=1)
main_df.head()
```

```
   seller    price  abtest  vehicleType  yearOfRegistration
powerPS  \
0       0    480.0       0            0                1993      0.0

1       0  16275.0       0            5                2011    190.0

2       0   9800.0       0            6                2004    163.0

3       0   1500.0       0            1                2001     75.0

4       0   3600.0       0            1                2008     69.0


   kilometer  monthOfRegistration  fuelType  notRepairedDamage
nrOfPictures  \
0   150000.0                    0         0                  0
0
1   125000.0                    5         1                  1
0
2   125000.0                    8         1                  0
0
3   150000.0                    6         0                  0
0
4    90000.0                    7         1                  0
0


   postalCode  offerType_Gesuch  gearbox_manuell
0       70435                 0                1
1       66954                 0                1
2       90480                 0                0
3       91074                 0                1
4       60437                 0                1
```

```
#dividing the dataset into dependent and independent feature
Independent=main_df.drop(['price'],axis=1)
Dependent=main_df['price']
Independent.head()
```

```
   seller  abtest  vehicleType  yearOfRegistration  powerPS  kilometer
\
0       0       0            0                1993      0.0   150000.0

1       0       0            5                2011    190.0   125000.0
```

```
2       0       0            6                2004    163.0   125000.0

3       0       0            1                2001     75.0   150000.0

4       0       0            1                2008     69.0    90000.0


   monthOfRegistration  fuelType  notRepairedDamage  nrOfPictures
postalCode  \
0                    0         0                  0             0
70435
1                    5         1                  1             0
66954
2                    8         1                  0             0
90480
3                    6         0                  0             0
91074
4                    7         1                  0             0
60437

   offerType_Gesuch  gearbox_manuell
0                 0                1
1                 0                1
2                 0                0
3                 0                1
4                 0                1

Dependent.head()

0      480.0
1    16275.0
2     9800.0
3     1500.0
4     3600.0
Name: price, dtype: float64
```