```
 1 "C:\Users\anupr\Documents\Machine Learning and Data
   Science using Python\venv\Scripts\python.exe" C:/Users/
   anupr/.PyCharmCE2018.3/config/scratches/Multivariate.py
 2           Price  Mileage   Make    Model   ...    Doors
   Cruise  Sound  Leather
 3 0  17314.103129     8221  Buick  Century   ...        4
         1      1        1
 4 1  17542.036083     9135  Buick  Century   ...        4
         1      1        0
 5 2  16218.847862    13196  Buick  Century   ...        4
         1      1        0
 6 3  16336.913140    16342  Buick  Century   ...        4
         1      0        0
 7 4  16339.170324    19832  Buick  Century   ...        4
         1      0        1
 8
 9 [5 rows x 12 columns]
10 C:\Users\anupr\Documents\Machine Learning and Data Science
    using Python\venv\lib\site-packages\sklearn\preprocessing
   \data.py:625: DataConversionWarning: Data with input dtype
    int64 were all converted to float64 by StandardScaler.
11   return self.partial_fit(X, y)
12 C:\Users\anupr\Documents\Machine Learning and Data Science
    using Python\venv\lib\site-packages\sklearn\base.py:462:
   DataConversionWarning: Data with input dtype int64 were
   all converted to float64 by StandardScaler.
13   return self.fit(X, **fit_params).transform(X)
14                             OLS Regression Results

15 ==============================================================
   ====================
16 Dep. Variable:                    Price   R-squared
   :                         0.064
17 Model:                              OLS   Adj. R-squared
   :                    0.060
18 Method:                   Least Squares   F-statistic
   :                      18.11
19 Date:                  Tue, 25 Dec 2018   Prob (F-statistic
   ):            2.23e-11
20 Time:                          13:06:30   Log-Likelihood
   :                 -9207.1
21 No. Observations:                   804   AIC
   :                            1.842e+04
22 Df Residuals:                       801   BIC
   :                            1.843e+04
```

```
23 Df Model:                            3

24 Covariance Type:            nonrobust

25 ==============================================================
   ====================
26                   coef    std err          t      P>|t
   |      [0.025      0.975]
27 --------------------------------------------------------------
   --------------------
28 x1          -1272.3412    804.623     -1.581      0.114   -
   2851.759     307.077
29 x2           5587.4472    804.509      6.945      0.000
   4008.252    7166.642
30 x3          -1404.5513    804.275     -1.746      0.081   -
   2983.288     174.185
31 ==============================================================
   ====================
32 Omnibus:                       157.913   Durbin-Watson
   :                   0.008
33 Prob(Omnibus):                   0.000   Jarque-Bera (JB
   ):               257.529
34 Skew:                            1.278   Prob(JB
   ):                    1.20e-56
35 Kurtosis:                        4.074   Cond. No
   .                         1.03
36 ==============================================================
   ====================
37
38 Warnings:
39 [1] Standard Errors assume that the covariance matrix of
   the errors is correctly specified.
40
41 Process finished with exit code 0
42
```