**Problem Statement**

Build the linear regression model using scikit learn in boston data to predict 'Price' based on other dependent variable.

**Dataset**

Here is the code to load the data

import numpy as np

import pandas as pd

import scipy.stats as stats

import matplotlib.pyplot as plt

import sklearn

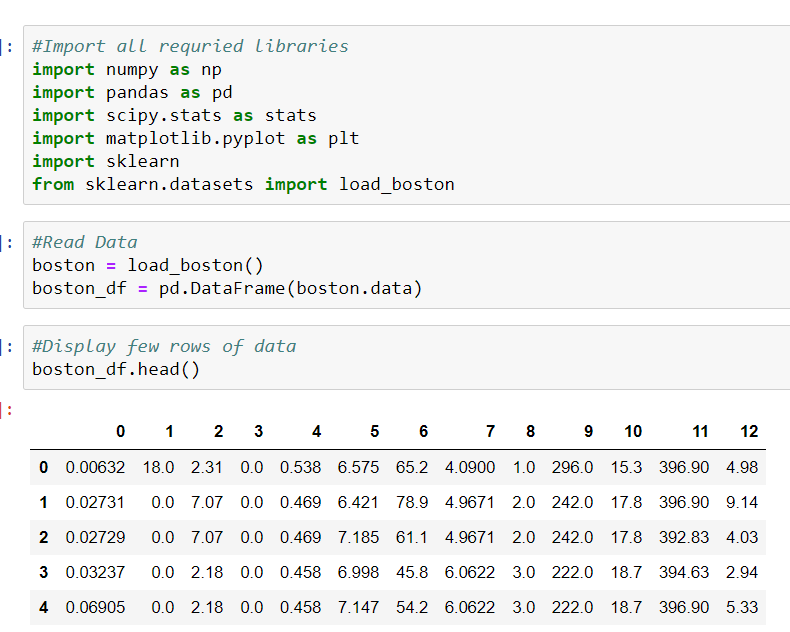
from sklearn.datasets import load\_boston

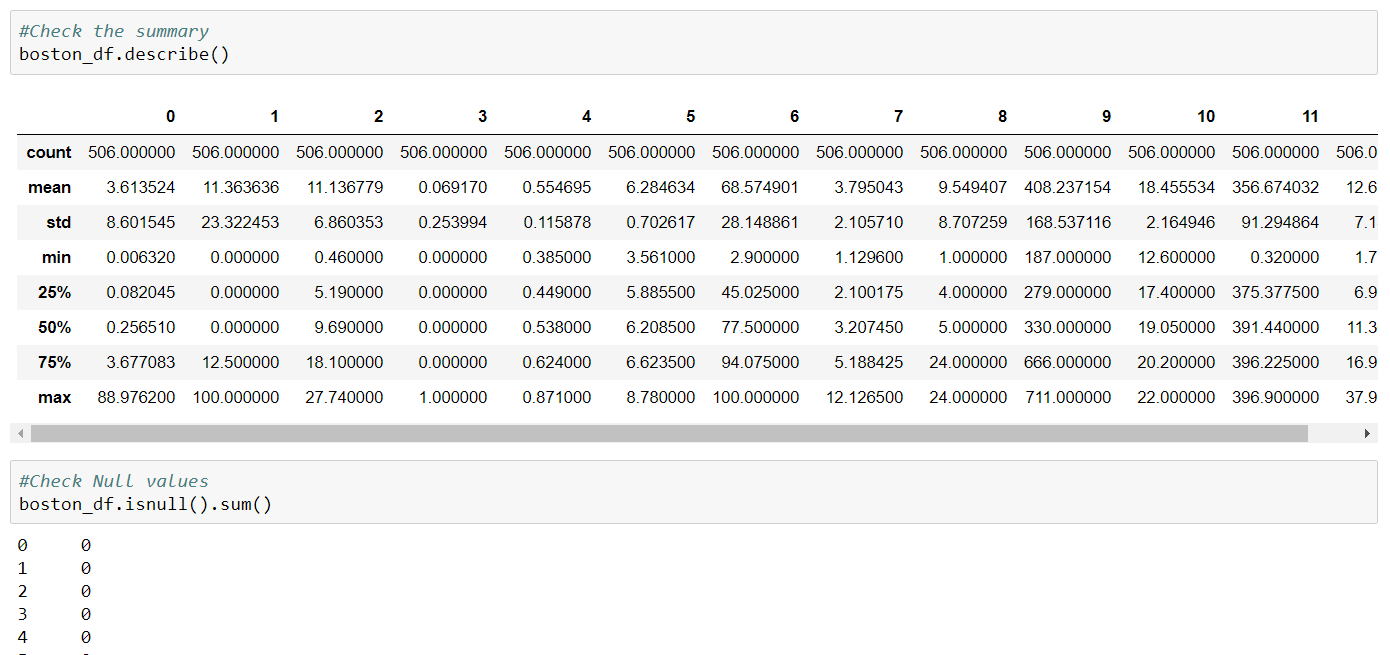
boston = load\_boston()

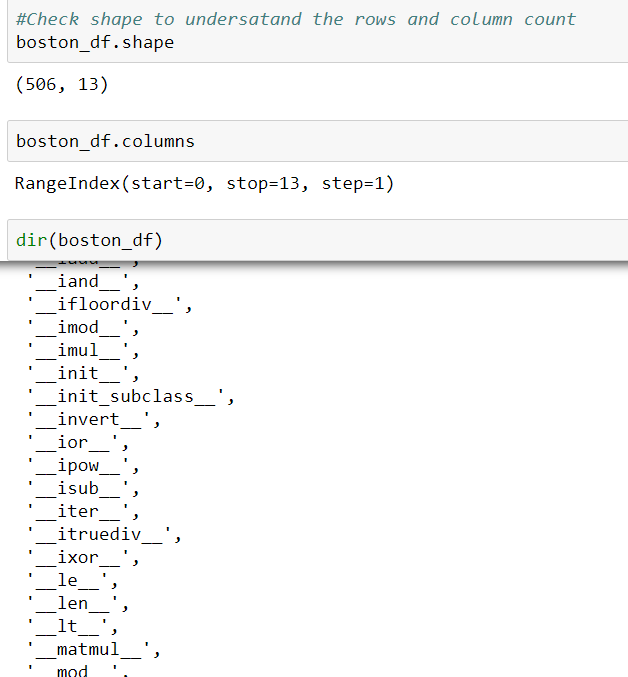
bos = pd.DataFrame(boston.data)

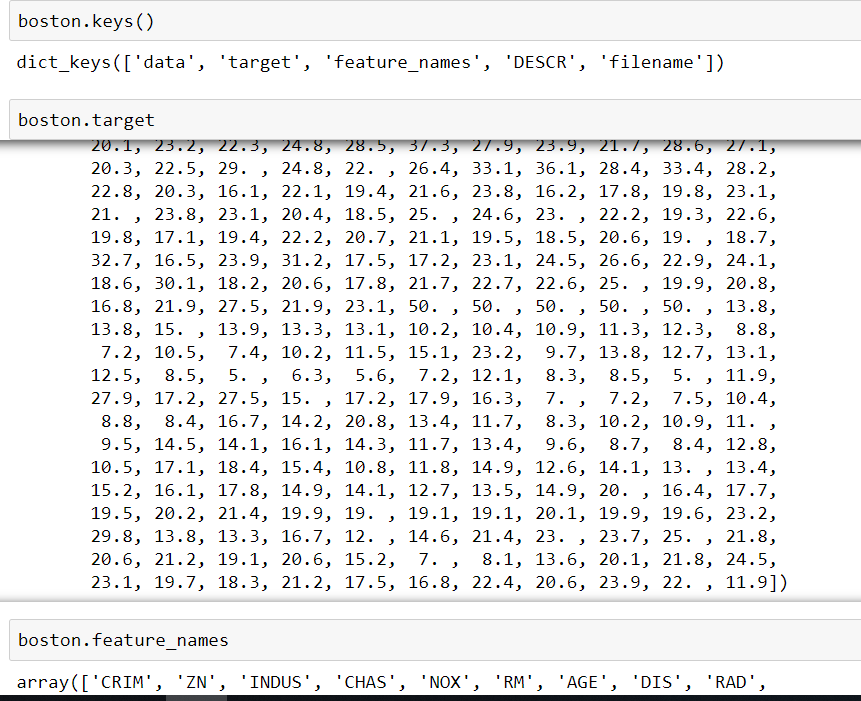
NOTE: The solution shared through Github should contain the source code used and the screenshot of the output.

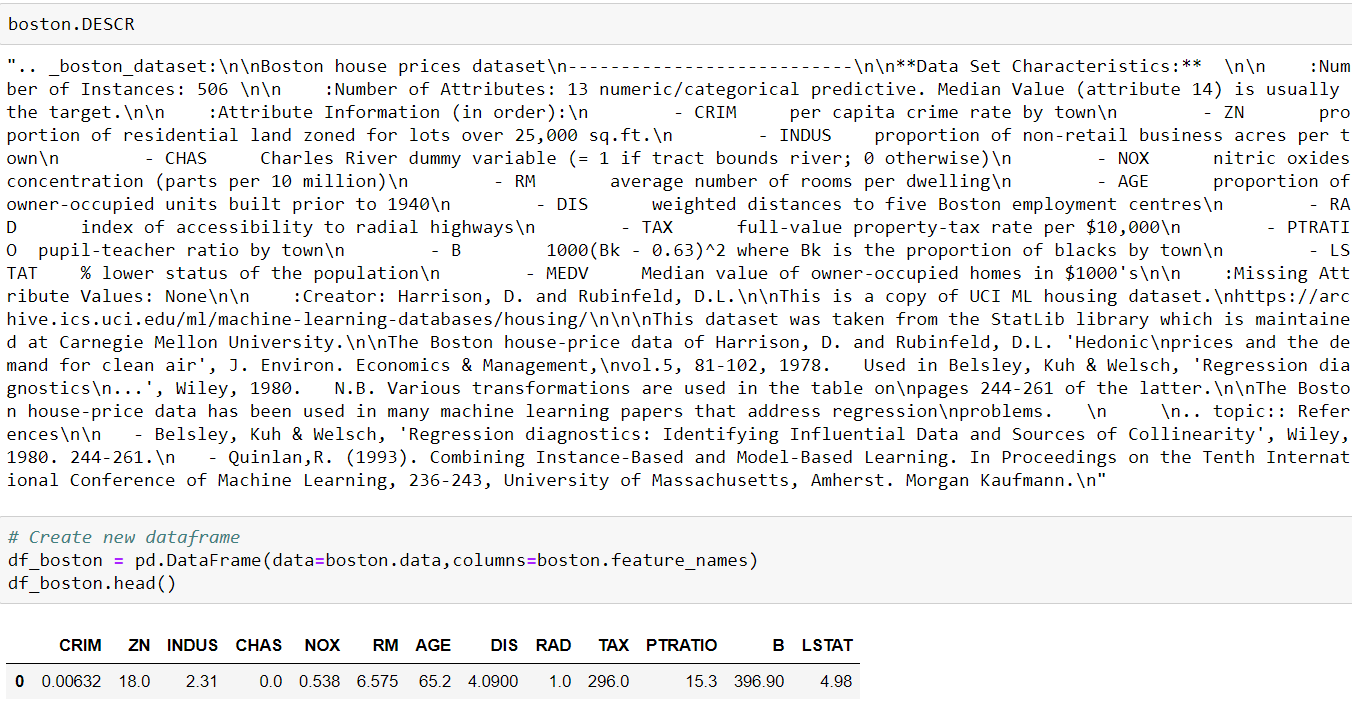
**Solution**

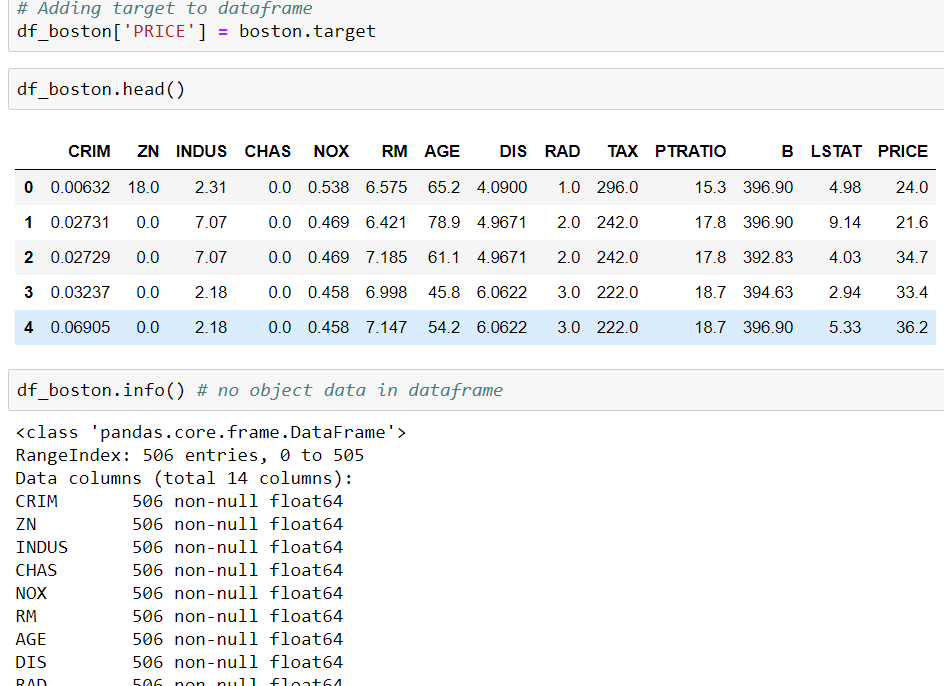




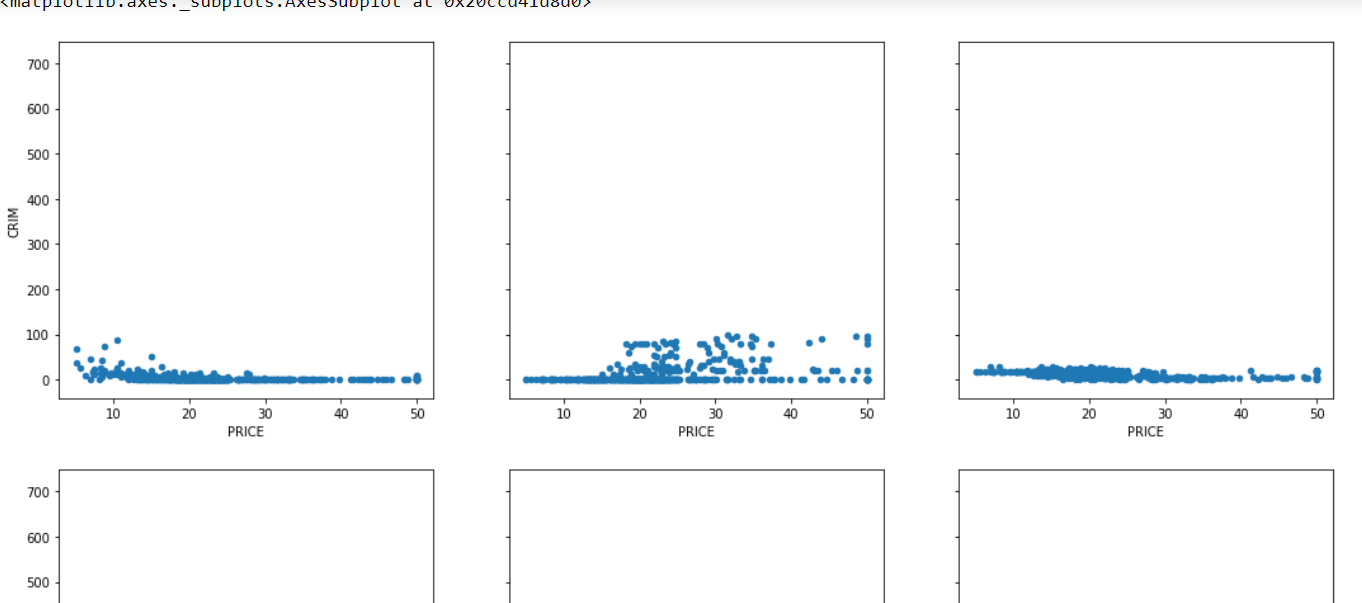


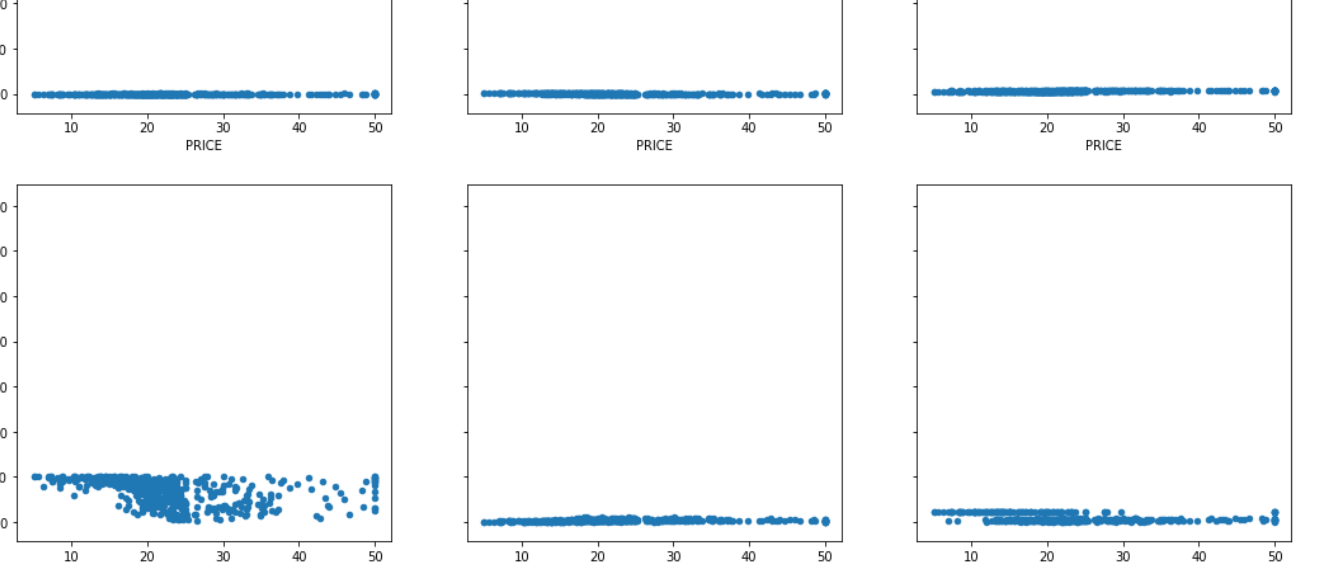


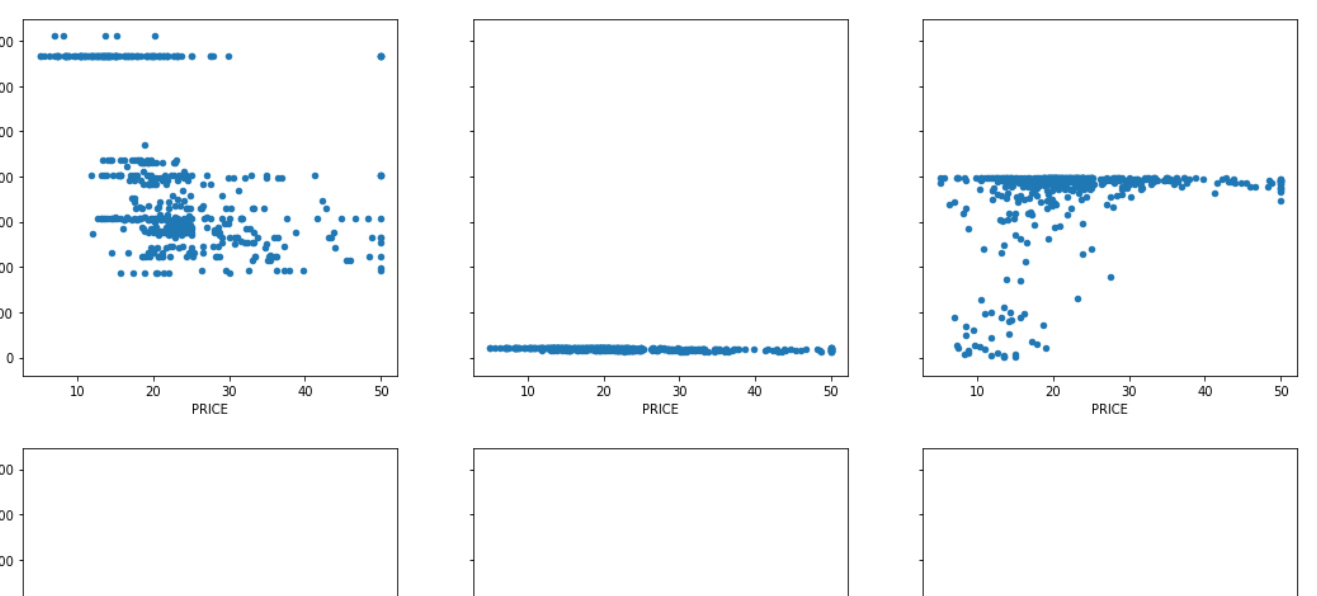


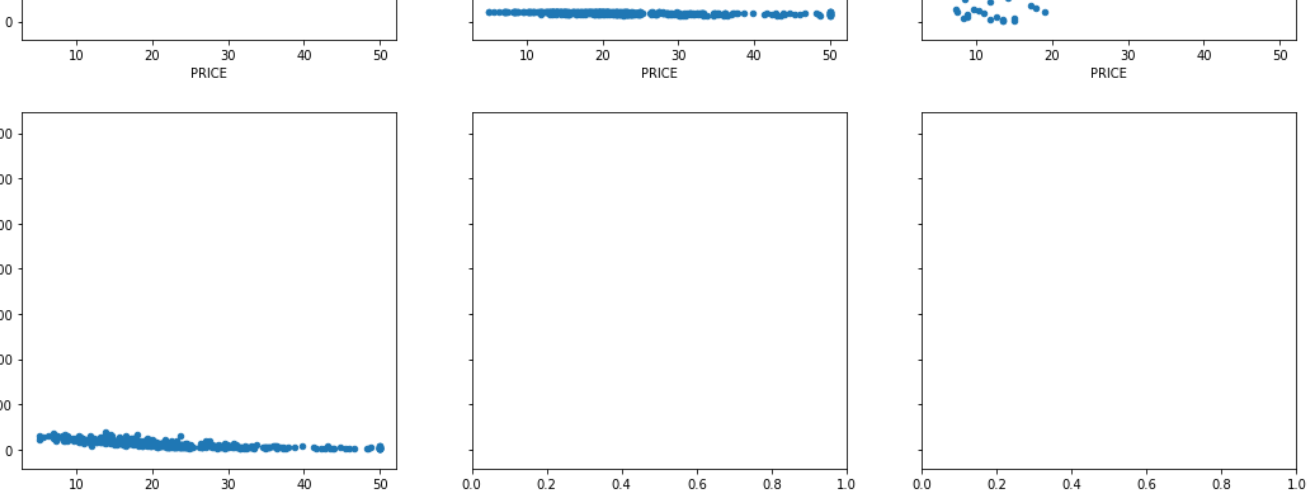


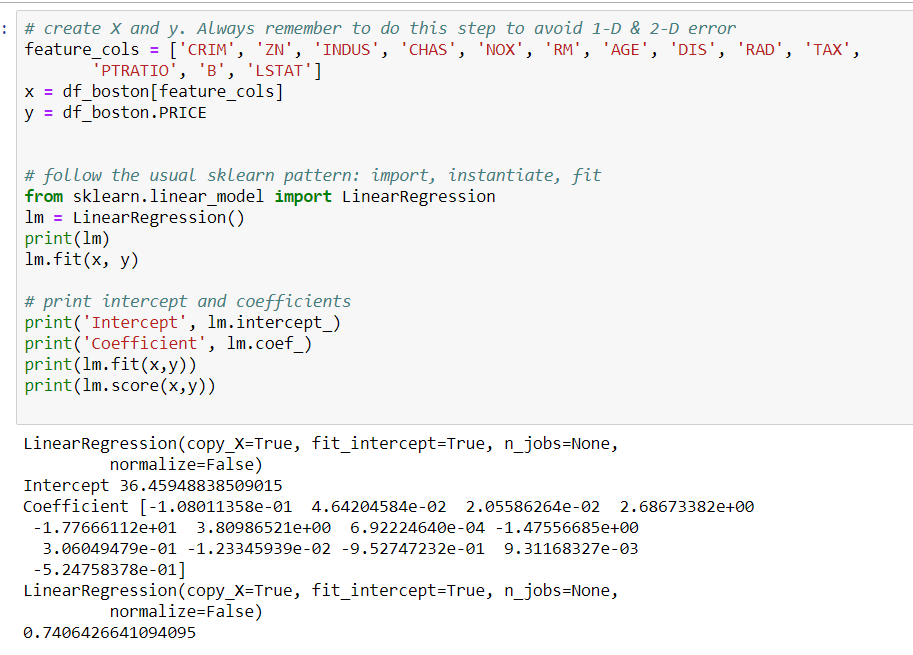




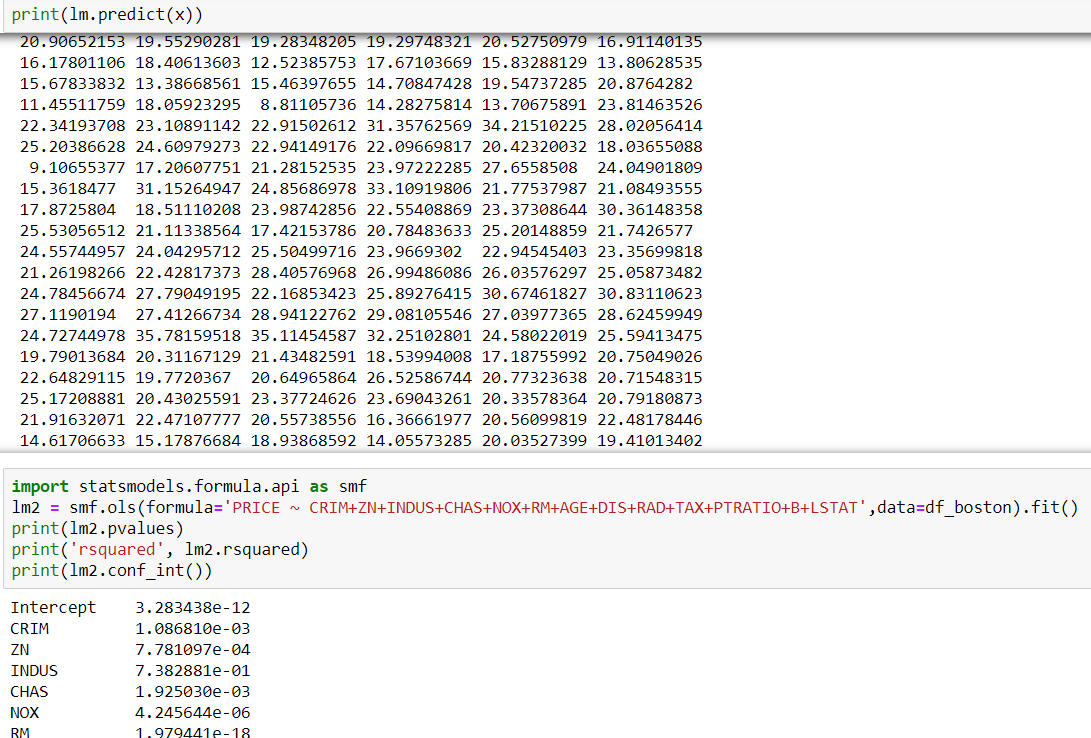


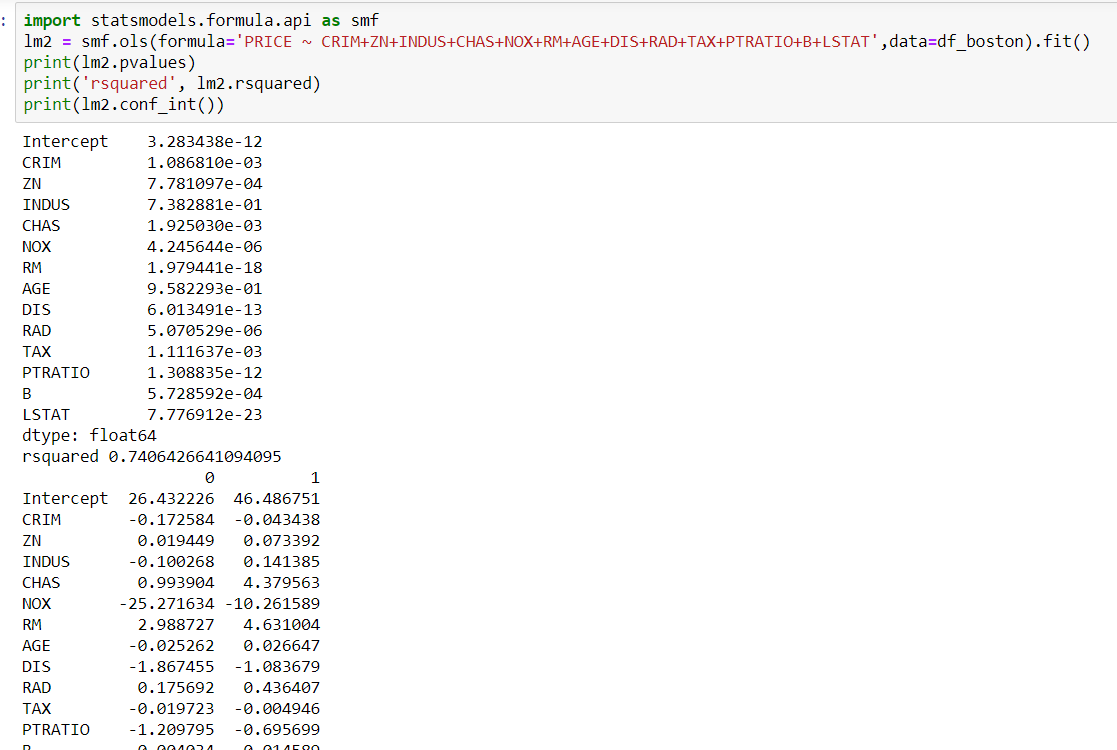


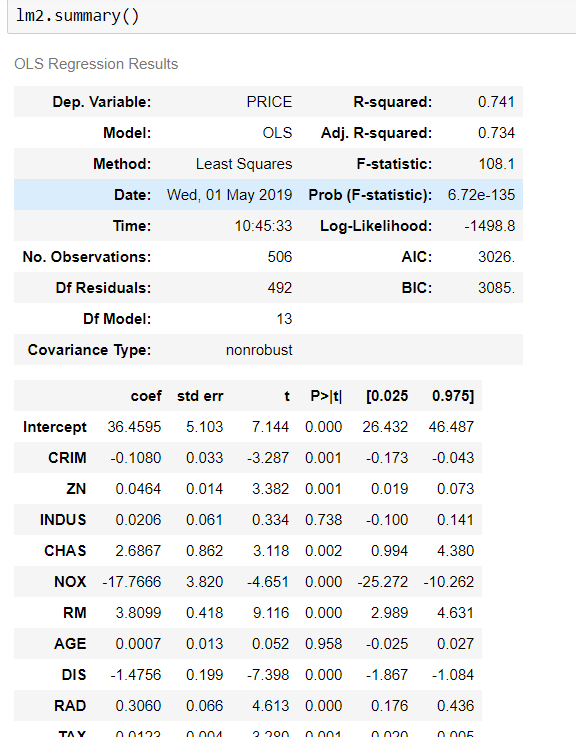


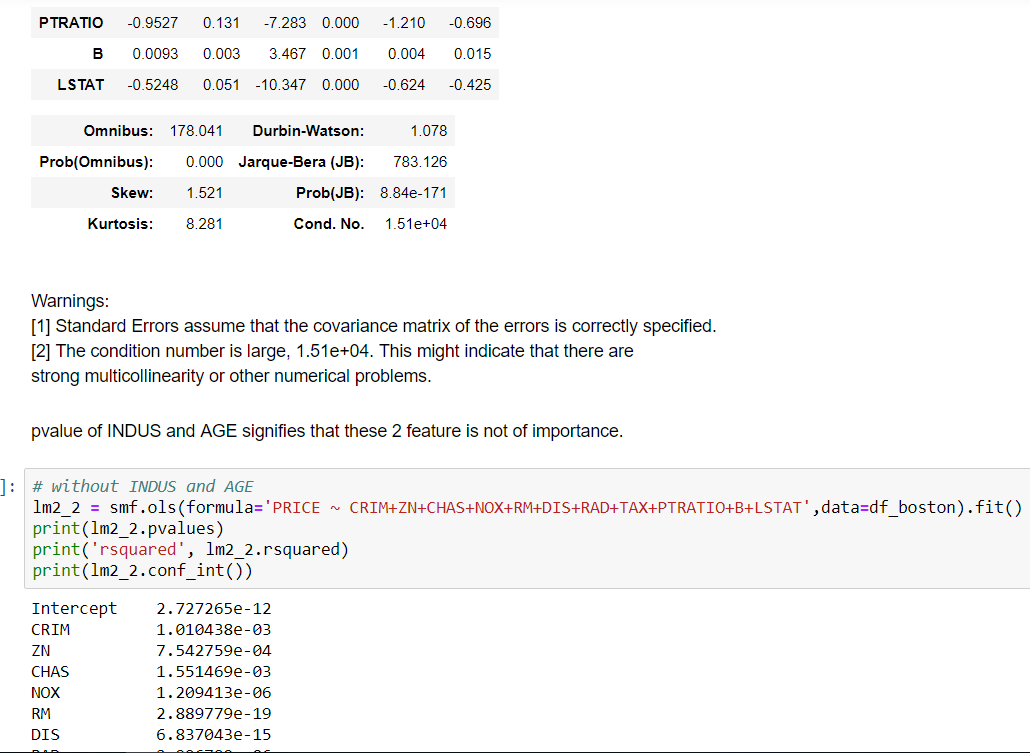


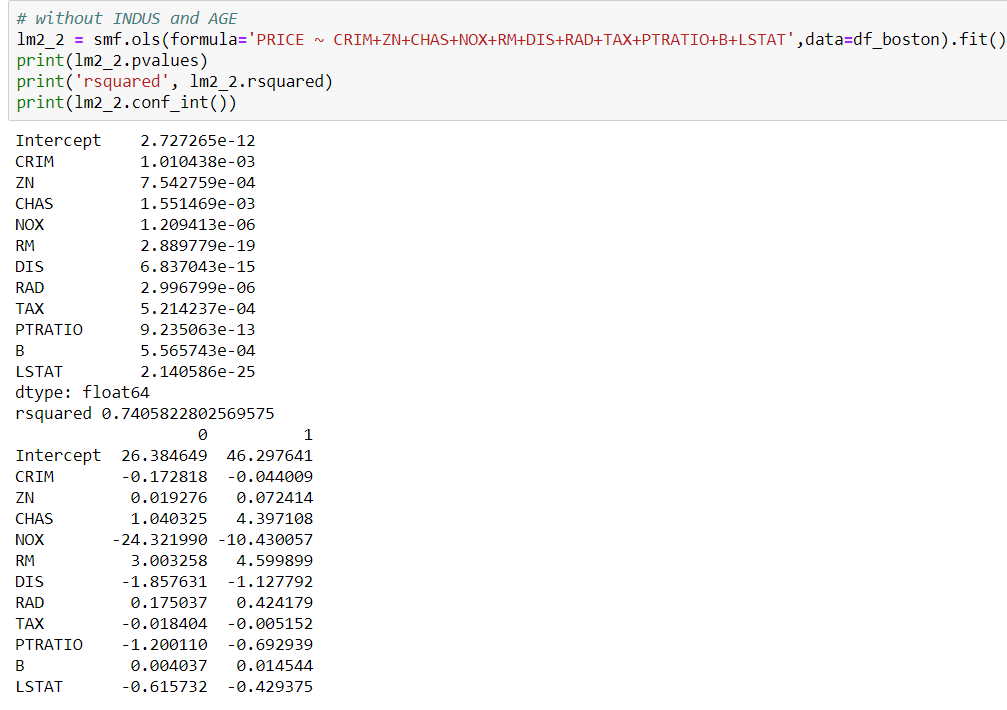
**1st Iteration the fit efficiency is 74.06%**

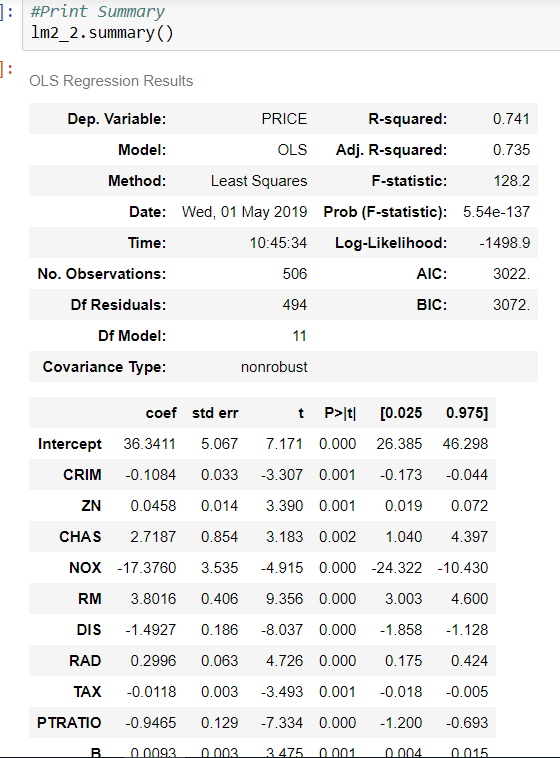


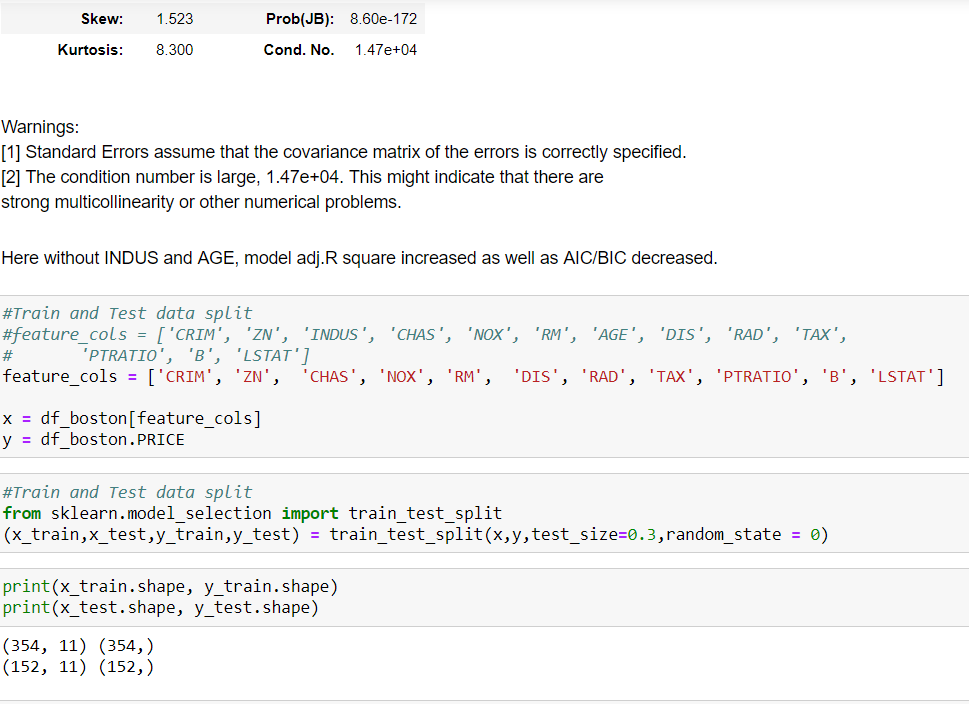




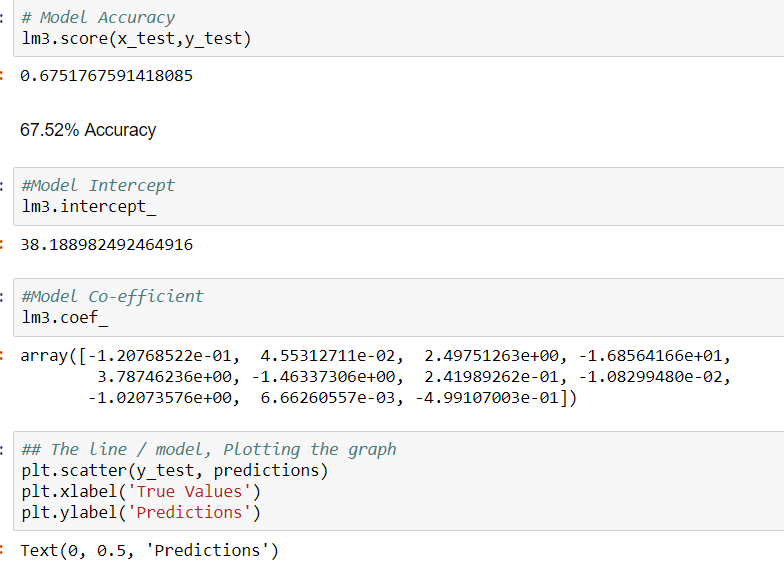


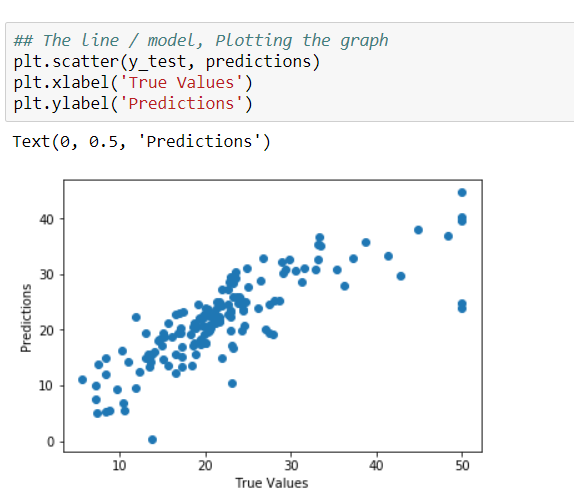












**The model accuracy is** 67.52%