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import numpy as np # linear algebra
import pandas as pd # data processing, CSV file I/O (e.g. pd.read_csv)

# Input data files are available in the "../input/" directory.
# For example, running this (by clicking run or pressing Shift+Enter) will list

from subprocess import check_output
print(check_output(["ls", "/Users/sasidharbhagavatula/Desktop"]).decode("utf8"))

# Any results you write to the current directory are saved as output.

#Import Libraries
import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
#np.set_printoptions(threshold=np.nan)

import sys
np.set_printoptions(threshold=sys.maxsize)

#Importing DataSet
dataset = pd.read_csv("/Users/sasidharbhagavatula/Desktop/House_data.csv")
space=dataset['sqft_living']
price=dataset['price']

x = np.array(space).reshape(-1, 1)
y = np.array(price)

#Splitting the data into Train and Test
#from sklearn.cross_validation import train_test_split
from sklearn.model_selection import train_test_split

xtrain, xtest, ytrain, ytest = train_test_split(x,y,test_size=1/3, random_state=42)

#Fitting simple linear regression to the Training Set
from sklearn.linear_model import LinearRegression
regressor = LinearRegression()
regressor.fit(xtrain, ytrain)

#Predicting the prices
pred = regressor.predict(xtest)

#Visualizing the training Test Results
plt.scatter(xtrain, ytrain, color= 'red')
plt.plot(xtrain, regressor.predict(xtrain), color = 'blue')
plt.title ("Visuals for Training Dataset")
plt.xlabel("Space")
plt.ylabel("Price")
plt.show()

#Visualizing the Test Results

```

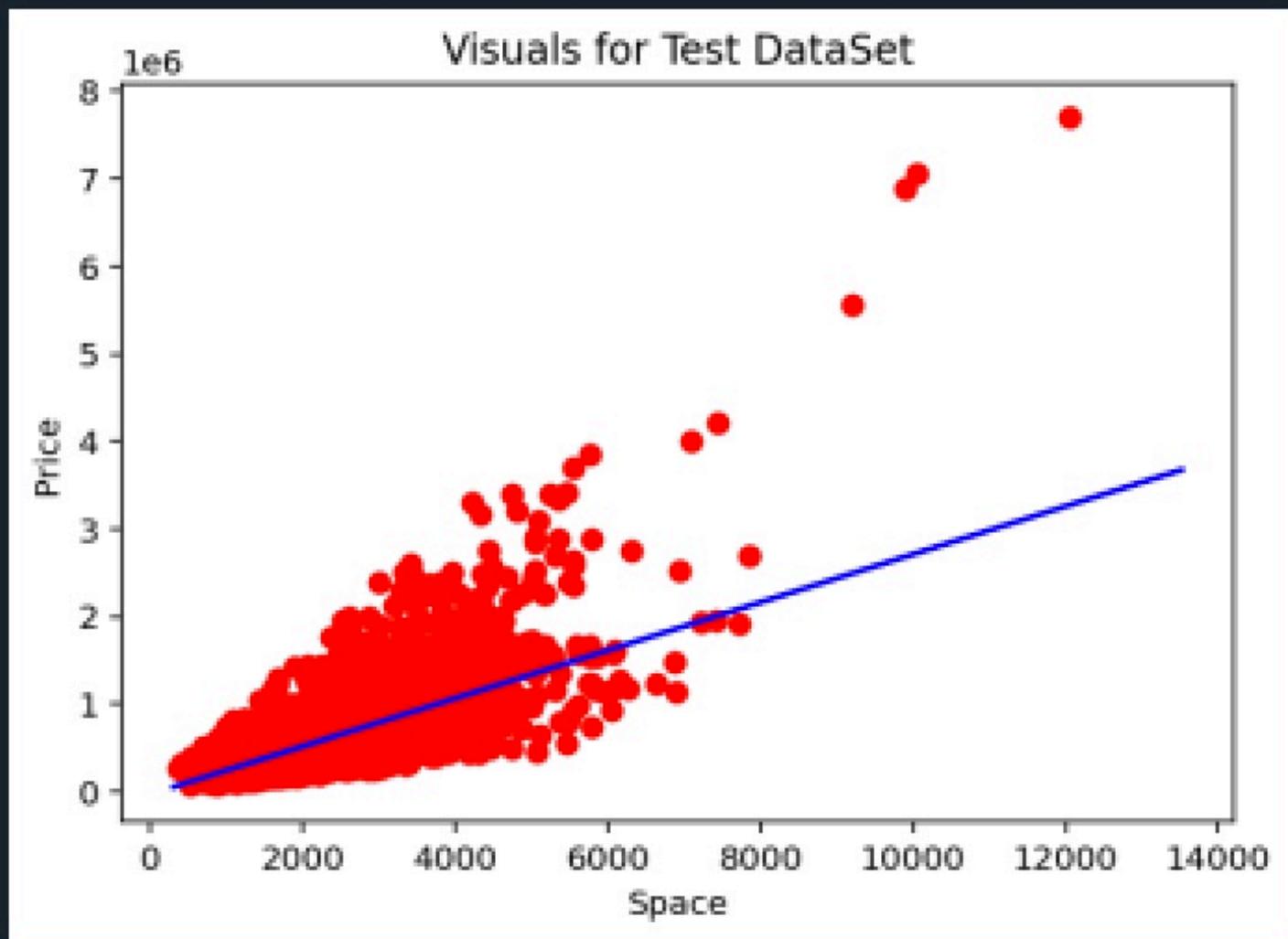
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plt.scatter(xtest, ytest, color= 'red')
plt.plot(xtrain, regressor.predict(xtrain), color = 'blue')
plt.title("Visuals for Test DataSet")
plt.xlabel("Space")
plt.ylabel("Price")
plt.show()
```



/Users/sasidharbhagavatula/Desktop/python/ML



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Help

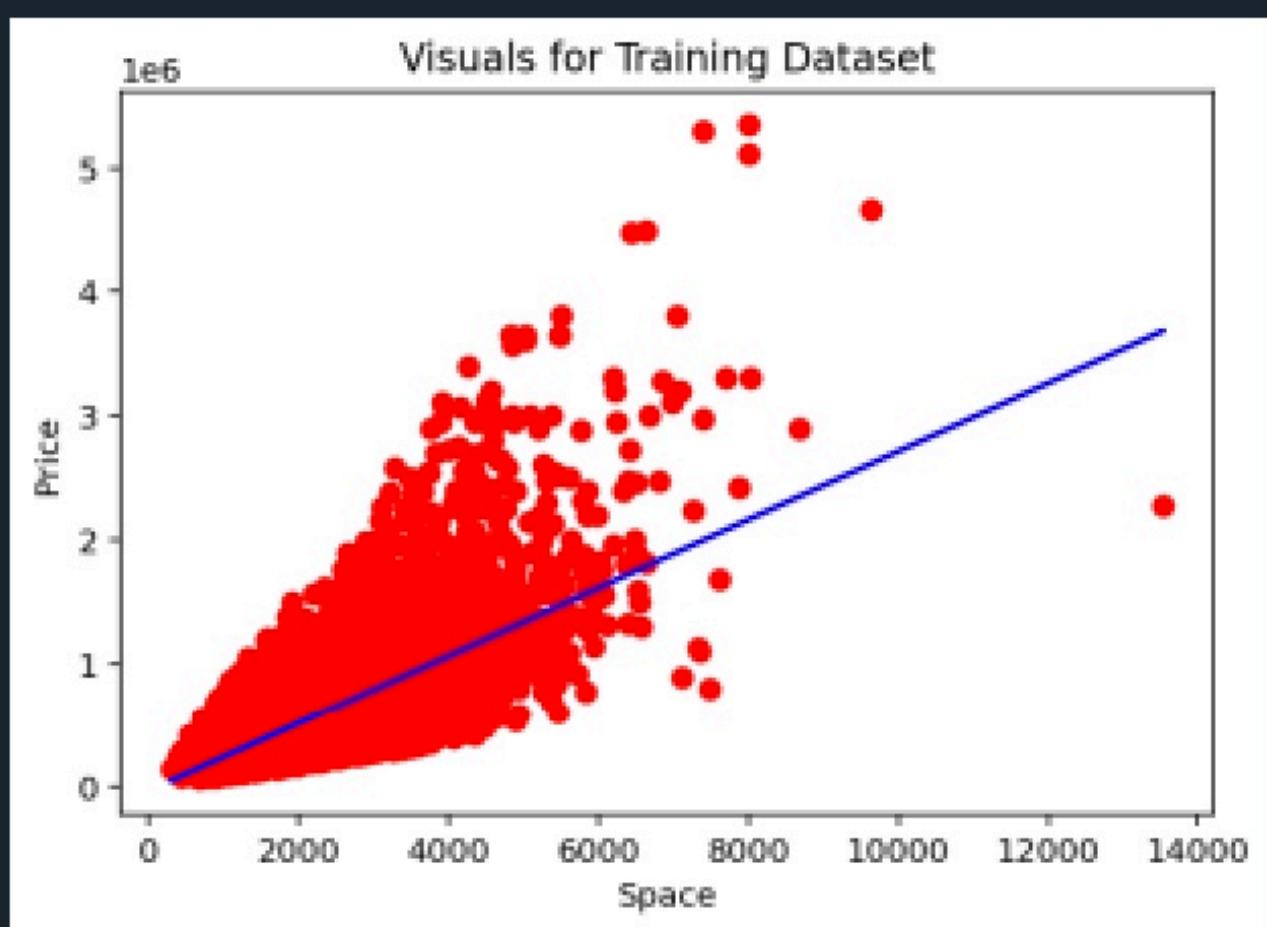
Variable Explorer

Debugger

Plots



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Help

Variable Explorer

Debugger

Plots



x Console 1/A

