

ASSIGNMENT -3

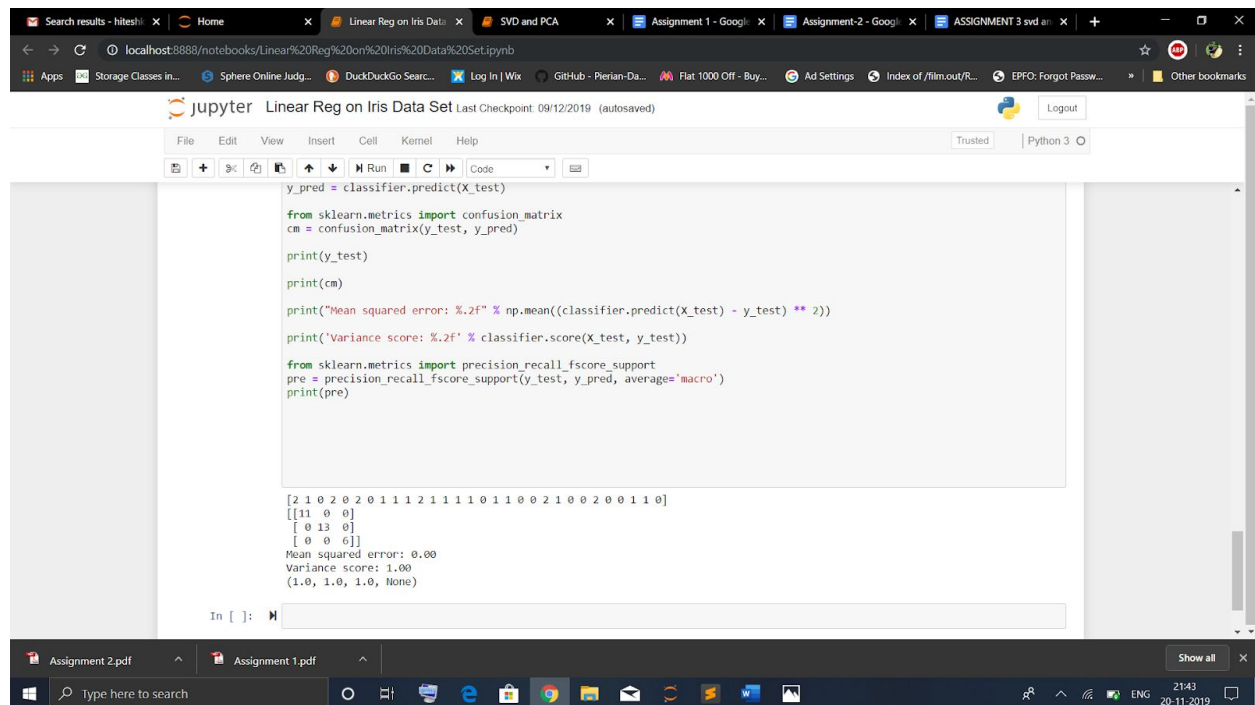
LOGISTIC REGRESSION ON IRIS DATA SET

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The screenshot shows a Jupyter Notebook interface with a browser window at the top. The notebook is titled "Linear Reg on Iris Data Set" and shows the following code and output:

```
y_pred = classifier.predict(X_test)

from sklearn.metrics import confusion_matrix
cm = confusion_matrix(y_test, y_pred)

print(y_test)

print(cm)

print("Mean squared error: %.2f" % np.mean((classifier.predict(X_test) - y_test) ** 2))

print('Variance score: %.2f' % classifier.score(X_test, y_test))

from sklearn.metrics import precision_recall_fscore_support
pre = precision_recall_fscore_support(y_test, y_pred, average='macro')
print(pre)
```

The output of the code is as follows:

```
[2 1 0 2 0 2 0 1 1 2 1 1 1 0 1 1 0 2 1 0 0 2 0 0 1 1 0]
[[11  0  0]
 [ 0 13  0]
 [ 0  0  6]]
Mean squared error: 0.00
Variance score: 1.00
(1.0, 1.0, 1.0, None)
```

The bottom of the screenshot shows the Windows taskbar with the time 21:43 on 20-11-2019.