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HIDS 509 Homework 2

Task 1: Run the CNN analysis on the same set of CT images that were used during a demo in a classroom

- Submit results of classification i..e accuracy etc by uploading to Canvas

Generate a classification report

```
1 from sklearn.metrics import classification_report
2 report = classification_report(test_labels, y_pred)
3 print(report)
```

```
              precision    recall  f1-score   support

           0       0.43      1.00      0.60         9
           1       0.00      0.00      0.00        12

    accuracy                           0.43        21
   macro avg       0.21      0.50      0.30        21
weighted avg       0.18      0.43      0.26        21

/usr/local/lib/python3.8/dist-packages/sklearn/metrics/_classification.py:1318: UndefinedMetricWarning: Precision and F-s
  _warn_prf(average, modifier, msg_start, len(result))
/usr/local/lib/python3.8/dist-packages/sklearn/metrics/_classification.py:1318: UndefinedMetricWarning: Precision and F-s
  _warn_prf(average, modifier, msg_start, len(result))
/usr/local/lib/python3.8/dist-packages/sklearn/metrics/_classification.py:1318: UndefinedMetricWarning: Precision and F-s
  _warn_prf(average, modifier, msg_start, len(result))
```

Accuracy is 43%

(See notebook for whole process)