

Model Evaluation

UNIVERSITY ADMIT ELIGIBILITY PREDICTOR

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There are many numbers of model evaluation techniques for the classification type of machine learning models. the following are widely used

- Accuracy_score
- Confusion matrix
- Recall Score
- Roc- AUC Curve

```
In [26]: from sklearn.metrics import accuracy_score, recall_score, roc_auc_score, confusion_matrix

print('Accuracy Score:', accuracy_score(y_test, y_pred))
print('Recall Score:', recall_score(y_test, y_pred))
print('ROC AUC Score:', roc_auc_score(y_test, y_pred))
print('Confussion Matrix:\n', confusion_matrix(y_test, y_pred))

Accuracy Score: 0.9333333333333333
Recall Score: 1.0
ROC AUC Score: 0.75
Confussion Matrix:
[[ 4  4]
 [ 0 52]]
```