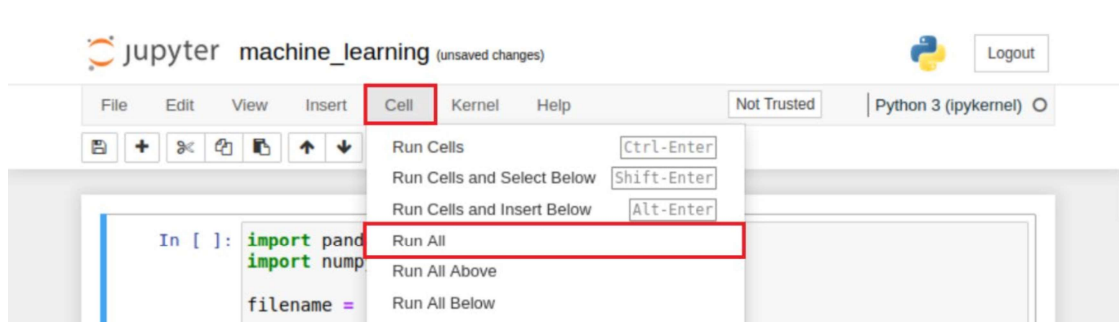


Navigate to the 'Cell' menu and select 'Run all' from the dropdown options. This will execute the data processing through the decision tree algorithm.



1. Note down any intriguing observations or anomalies in the dataset.

2. Make a record of the output values after running the file:

a. Decision tree (unlimited depth)

Accuracy:

Precision:

Recall:

F1 Score:

Decision Tree - Unlimited depth:

Accuracy: 0.91  
(TN,FP,FN,TP): [35,8,1,56]  
Precision: 0.875000  
Recall: 0.982456  
F1 score: 0.925620

b. Decision tree (depth 10)

Accuracy:

Precision:

Recall:

F1 Score:

Decision Tree - Depth 10:

Accuracy: 0.94  
(TN,FP,FN,TP): [37,6,0,57]  
Precision: 0.904762  
Recall: 1.000000  
F1 score: 0.950000