

## DECISION TREE CLASSIFICATION REPORT

	Precision	Recall	F1-Score	Support
0	0.90	0.89	0.90	85
1	0.82	0.84	0.83	49
Accuracy			0.87	134
Macro Avg	0.86	0.87	0.86	134
Weighted Avg	0.87	0.87	0.87	134

- ★ Percentage of correct classification of both (not purchased and purchased) to the total input of the dataset=**0.87**
- ★ Percentage of correct classification of (not purchased data) to the sum of correctly classified as(not purchased data) and wrongly classified as(not purchased data) in the test set=**0.90**
- ★ Percentage of correct classification of (purchased data) to the sum of correctly classified as(purchased data) and wrongly classified as(purchased) in the test set=**0.82**
- ★ Percentage of correct classification of (not purchased data) to the total input of(not purchased data) in the test set=**0.89**
- ★ Percentage of correct classification of (purchased data) to the total input of(purchased data) in the test set=**0.84**
- ★ The overall performance of the (not purchased data)=**0.90**

- ★ The overall performance of the (purchased data)=0.83
- ★ The average performance of the precision=0.86
- ★ The average performance of the recall=0.87
- ★ The average performance of the f1 score=0.86
- ★ The sum of product of proportion rate of each class(precision)=0.87
- ★ The sum of product of proportion rate of each class(recall)=0.87
- ★ The sum of product of proportion rate of each class (f1 score)=0.87

- ★ The average performance of the precision=0.86
- ★ The average performance of the recall=0.87

- ★ The average performance of the f1 score= $0.86$
- ★ The sum of product of proportion rate of each class (precision)= $0.87$
- ★ The sum of product of proportion rate of each class (recall)= $0.87$
- ★ The sum of product of proportion rate of each class (f1 score)= $0.87$