

# Classification

## 1. Randomforest Classification

- What is the percentage of correct Classification of both to the input of the Test Set → 0.90 (Accuracy)
- What is the percentage of correct classification of (purchased) to the total input of in the test set → 0.88 (Recall)
- What is the percentage of the correct classification of (not purchased) in the test set → 0.92 (Recall)
- What is the percentage of correct classification of (purchased) to sum of correctly classified as (purchased) and wrongly classified of (purchased) in the test set → 0.86 (Precision)
- What is the percentage of correct classification of (not purchased) to sum of correctly classified as (not purchased) and wrongly classified as (not purchased) in the test set → 0.93 (Precision)

## 2. DecisionTree Classification

- What is the percentage of correct Classification of both to the input of the Test Set → 0.87 (Accuracy)
- What is the percentage of correct classification of (purchased) to the total input of in the test set → 0.84 (Recall)
- What is the percentage of the correct classification of (not purchased) in the test set → 0.89 (Recall)
- What is the percentage of correct classification of (purchased) to sum of correctly classified as (purchased) and wrongly classified of (purchased) in the test set → 0.82 (Precision)
- What is the percentage of correct classification of (not purchased) to sum of correctly classified as (not purchased) and wrongly classified as (not purchased) in the test set → 0.90 (Precision)

## 3. SVM Classification

- What is the percentage of correct Classification of both to the input of the Test Set → 0.78 (Accuracy)
- What is the percentage of correct classification of (purchased) to the total input of in the test set → 0.47 (Recall)
- What is the percentage of the correct classification of (not purchased) in the test set → 0.96 (Recall)
- What is the percentage of correct classification of (purchased) to sum of correctly classified as (purchased) and wrongly classified of (purchased) in the test set → 0.88 (Precision)
- What is the percentage of correct classification of (not purchased) to sum of correctly classified as (not purchased) and wrongly classified as (not purchased) in the test set → 0.76 (Precision)

## 4. Logistic Classification

- What is the percentage of correct Classification of both to the input of the Test Set → 0.63 (Accuracy)
- What is the percentage of correct classification of (purchased) to the total input of in the test set → 0.00 (Recall)
- What is the percentage of the correct classification of (not purchased) in the test set → 1.00 (Recall)
- What is the percentage of correct classification of (purchased) to sum of correctly classified as (purchased) and wrongly classified of (purchased) in the test set → 0.00 (Precision)
- What is the percentage of correct classification of (not purchased) to sum of correctly classified as (not purchased) and wrongly classified as (not purchased) in the test set → 0.63 (Precision)

## 5. KNN Classification

- What is the percentage of correct Classification of both to the input of the Test Set → 0.84 (Accuracy)
- What is the percentage of correct classification of (purchased) to the total input of in the test set → 0.67 (Recall)
- What is the percentage of the correct classification of (not purchased) in the test set → 0.93 (Recall)
- What is the percentage of correct classification of (purchased) to sum of correctly classified as (purchased) and wrongly classified of (purchased) in the test set → 0.85 (Precision)
- What is the percentage of correct classification of (not purchased) to sum of correctly classified as (not purchased) and wrongly classified as (not purchased) in the test set → 0.83 (Precision)