Machine Learning - Classification Assignment - Questions on Confusion Matrix

Random Forest :

1. What is the percentage of correct classification of the "Purchased" and "Not Purchased" data? **0.90**
2. How far the created model correctly classifies the "Purchased" data ? **0.88**
3. How far the created model correctly classifies the "Not Purchased" data ? **0.92**
4. What is the precision value for the "Purchased" data ? **0.86**
5. What is the percentage of correct classification of "not purchased" data to the sum of its correct and wrong classification ? **0.93**
6. What is the overall performance of "Purchased" classification ? **0.87**
7. What is the average performance of Precision ? **0.89**
8. What is the average performance of Recall ? **0.90**
9. What is the average performance of F1- Score ? **0.90**
10. What is the weight of each class in precision ? **0.90**

Decision Tree :

1. What is the percentage of correct classification of the "Purchased" and "Not Purchased" data? **0.87**
2. How far the created model correctly classifies the "Purchased" data ? **0.84**
3. How far the created model correctly classifies the "Not Purchased" data ? **0.89**
4. What is the precision value for the "Purchased" data ? **0.82**
5. What is the percentage of correct classification of "not purchased" data to the sum of its correct and wrong classification ? **0.90**
6. What is the overall performance of "Purchased" classification ? **0.83**
7. What is the average performance of Precision ? **0.86**
8. What is the average performance of Recall ? **0.87**
9. What is the average performance of F1- Score ? **0.86**
10. What is the weight of each class in precision ? **0.87**

Support Vector machine :

1. What is the percentage of correct classification of the “Purchased” and “Not Purchased” data? **0.78**
2. How far the created model correctly classifies the “Purchased” data ? **0.47**
3. How far the created model correctly classifies the “Not Purchased” data ? **0.96**
4. What is the precision value for the “Purchased” data ? **0.88**
5. What is the percentage of correct classification of “not purchased” data to the sum of its correct and wrong classification ? **0.76**
6. What is the overall performance of “Purchased” classification ? **0.61**
7. What is the average performance of Precision ? **0.82**
8. What is the average performance of Recall ? **0.72**
9. What is the average performance of F1- Score ? **0.73**
10. What is the weight of each class in precision ? **0.81**