

For dataset "Social\_Network\_Ads.csv"

| Classification  | Decision Tree classification | RandomForest Classification | SVM classification | KNN              | Logistic        |
|---|------------------------------|-----------------------------|--------------------|------------------|-----------------|
| 1. What is the overall percentage of purchase in the total input set?   | Accuracy = 0.90              | Accuracy = 0.92             | Accuracy = 0.66    | Accuracy = 0.73  | Accuracy = 0.87 |
| 1. What is the percentage of purchase in input set?                     | Recall = 0.94                | Recall = 0.91               | Recall = 1.00      | Recall=0.41      | Recall = 0.73   |
| 2. What is percentage of both non purchased and purchased in input set? | Precision = 0.91             | Precision = 0.96            | Precision = 0.66   | Precision = 0.68 | Precision= 0.86 |