**Social Network Advertisement Prediction**

**Problem Statement**

To Predict the social media users who will purchase a product by seeing an advertisement in the social medias.

1. Social Advertisement Prediction
2. Domain : Machine Learning
3. Learning : Supervised Classification

**Algorithms:**

1. SVM Classification –78%

2. Decision Tree – 87%

3. Random Forest – 90%

4. Logistic Regression – 63%

5. KNearest Neighbor – 84%

6. Gaussian Navie-Bayes – 90%

**Best Model** - Random Forest Classification( Overall performance of Random Forest and Gaussian NB is 90%. But the rate of correct and wrong classification(Precision and Recall) of Random Forest is higher than GaussianNB Algorithm.