Classification Project 1

Social Network ads

Here in this project the task is to implement the classification model on the social network ads data.

1. Split the data into training and testing data sets (80% in training set)

2. Build a logistic regression model using all of the available variables

3. Rerun the model dropping the least significant variable

4. Predict the probability for the training data set

5. Calculate the confusion matrix using the best threshold from above

6. Predict the results for the testing data set using the same threshold

7. Calculate the confusion matrix for the testing set

8. Create the ROC curve and check the accuracy of the model