Project 1

Neural Networks

Bank Churn Prediction

Given a Bank customer, can we build a classifier that can determine whether they will leave or not using Neural networks?

Dataset

Bank Turnover Dataset
https://www.kaggle.com/barelydedicated/bank-customer-churn-modeling

Steps

1. Read the dataset
2. Drop the columns which are unique for all users like IDs (2.5 points)
3. Distinguish the feature and target set (2.5 points)
4. Divide the data set into training and test sets (2.5 points)
5. Normalize the train and test data (5 points)
6. Initialize & build the model. [Make sure that you add 2 to 5 hidden dense layers in this model] (10 points)
7. Predict the results (5 points)
8. Print the Accuracy score and confusion matrix (2.5 points)

Support

You can raise a support request on Olympus if you need help.

Happy Learning!