**Instructions Lab 10**

The task for today’s lab is to perform logistic regression on the dataset that describes the billionaires of the world. The dataset can be downloaded from:

<https://www.kaggle.com/datasets/nelgiriyewithana/billionaires-statistics-dataset/>

Recall that logistic regression is to be used as a classifier. However, this dataset does not contain a class label. So, create two classes namely “US” and “Non\_US” based on the values given in the F. Also, drop column G. Now use logistic regression to predict the class label. Rank the features based on the analysis of Odds function. Create a separate ranking of the features using Mutual Information. Compare the two rankings.

**Show your work, even if it is partial, during the lab hours. What you show during the lab will contribute toward your final grade.**