Assignment 2

1. Differentiate between random and stratiﬁed sampling?
2. Generate a random dataset and perform training and testing split using stratiﬁed sampling?
3. Take a dataset and create a transformer pipeline to select the most important parameters.
4. With respect to the above dataset create a single pipeline for data preparation and ﬁnal prediction.
5. Try to perform hyperparameter tuning using Evolutionary algorithms by taking a suitable dataset.