## **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.

