

Summer Semester 2022-23
ITA6016 Machine Learning
Lab Assessment Task -1

Answer All the Questions

3 x 2 = 6

1) Design Multiple Linear Regressions (MLR) for estimate the Mileage per gallon (MPG) using Auto-MPG dataset.

Dataset: <https://www.kaggle.com/datasets/uciml/autompg-dataset>

Note: Remove car name feature from the original dataset

2) Compare the classification performance of the standard machine learning techniques using penguin species dataset.

Dataset: <https://www.kaggle.com/datasets/parulpandey/palmer-archipelago-antarctica-penguin-data>

Note: Use test data accuracy as a performance metric

(Submit the PDF version of the both solutions as single file)