Assignment 01: Classification Using Scikit-Learn

1 Algorithm 1: <name_of_algorithm>

1.1 Detailed Description of Algorithm 1

1.2 Why I Chose this Algorithm

Graphic illustration of how the algorithm works

1.3 Hyperparameter Details for Tuning

1.4 Model Training & Evaluation

1.4.1 Data Preprocessing & Visualisation

1.4.2 Training & Evaluation Details

1.4.3 Discussion of Results

2 Algorithm 2: <name_of_algorithm>

2.1 Detailed Description of Algorithm 2

Graphic illustration of how the algorithm works

2.2 Why I Chose this Algorithm

2.3 Hyperparameter Details for Tuning

2.4 Model Training & Evaluation

2.4.1 Data Preprocessing & Visualisation

2.4.2 Training & Evaluation Details

2.4.3 Discussion of Results

3 Conclusions

3.1 Key Findings

3.2 Comparative Analysis of Algorithm Performances

3.3 Recommended Hyperparameter Values Based on Results

3.4 Concluding Remarks

References