

Region : Europe (Paris) - eu-west-3

S3 Bucket Information:

Bucket Name : p4-haritha

Input Folder : p4_haritha_wine_input_data/winequality-white.csv

Location : s3://p4-haritha/p4_haritha_wine_input_data/

Output Folder : p4_haritha_output/p4_haritha_metrics_summary.txt

Location : s3://p4-haritha/p4_haritha_output/

Classifier Model Selected :

1. Random Forest

2. Decision Tree

Outputs :

Performance Metrics for Random Forest Classifier:

| Performance Metric | Testing Set | Validation Set |
|--------------------|-------------|----------------|
| Accuracy | 0.96 | 0.95 |
| Precision | 0.83 | 0.93 |
| Recall | 0.63 | 0.51 |

Performance Metrics for Decision Tree Classifier:

| Performance Metric | Testing Set | Validation Set |
|--------------------|-------------|----------------|
| Accuracy | 0.92 | 0.9 |
| Precision | 0.58 | 0.54 |
| Recall | 0.66 | 0.6 |