Problem Statement:

To determine best model to detect flight rice with maximum accuracy.

Steps:

1. Imported dataset

2. Understanding Data & data-preprocessing

3. Enriched the Dataset

-Extracting date components (month, hour, day of the week, week of the year, etc.)

4. Handle Categorical Data & Feature Encoding

5. Perform Label Encoding on data

6. Handle Outliers in Data

7. Select best Features using Feature Selection Technique

8. Play with multiple Algorithms & dumping your model

9. Cross Validation

Conclusion:

Applying decision Tree is giving more accurate results with training score of 0.9673038753969964

Whereas KNN is giving least accuracy with training score: 0.7862056764779569

So for vast dataset we should avoid using KNN approach.