

Lab Exercises 17

Date: 07 Nov 2025

Implementation of K-Medoids Algorithm

```
from sklearn_extra.cluster import KMedoids
```

17. K-Medoids implementation on the dataset: <Heart_Disease.csv>

- (i) Conduct exploratory data analysis on the given dataset and report the details.
- (ii) Visualize the EDA results using appropriate graphs and charts.
- (iii) Implement the K-Medoids Clustering Algorithm using the dataset. Try with different k=2 & k=3 and show the accuracy.
- (iv) Evaluate the Silhouette Score and the Davies Bouldin Index of the clusters.