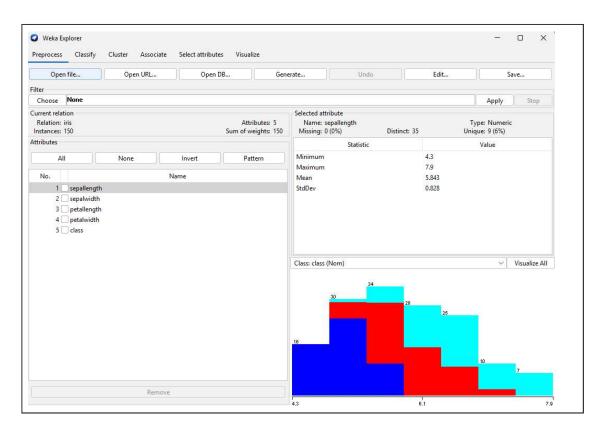
Practical No: 03

Aim: Demonstrate an application of Near Neighbor search. (WEKA)

1. Load Data

- Open Weka
- Load a dataset (eg, iris atff dataset provided with Weka)



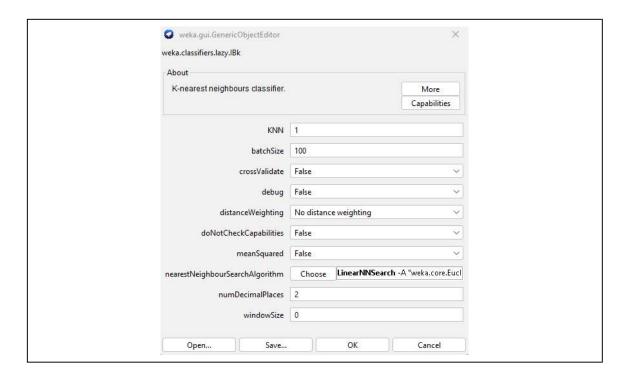
2. Choose k-NN Algorithm

- Go to the 'Classify" tab
- Select the IBk classifier (this is Weka's implementation of k-Nearest Neighbor)



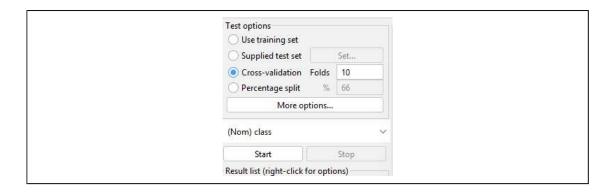
3. Set Parameters:

- Click on IBK
- Set the k parameter (number of neighbors) and other settings, such as distance function (Euclidean, Manhattan, etc.)



4. Run Classiication

- Choose a test option (e. g., cross-validation or percentage splt) Cick "Stat" to run the k-NN classification
- Observe the results, including accuracy and confusion matrix



5. Visualize Results:

• Use the "Visualize" tab to explore how the k-NN algorithm classified instances based on their neighbors

