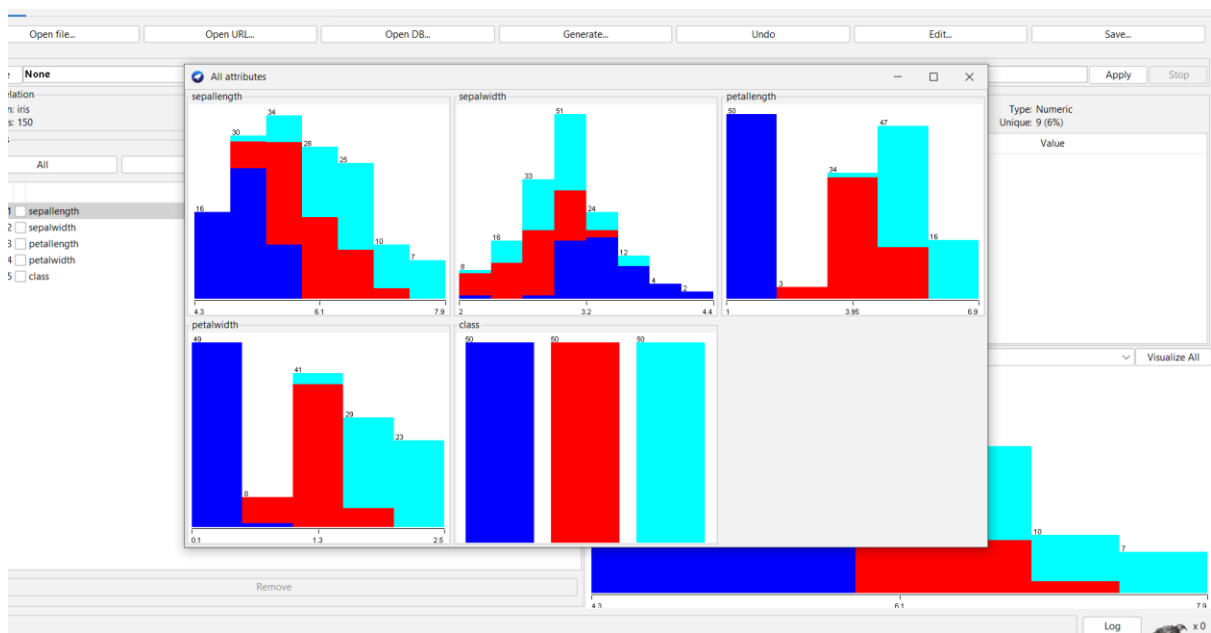
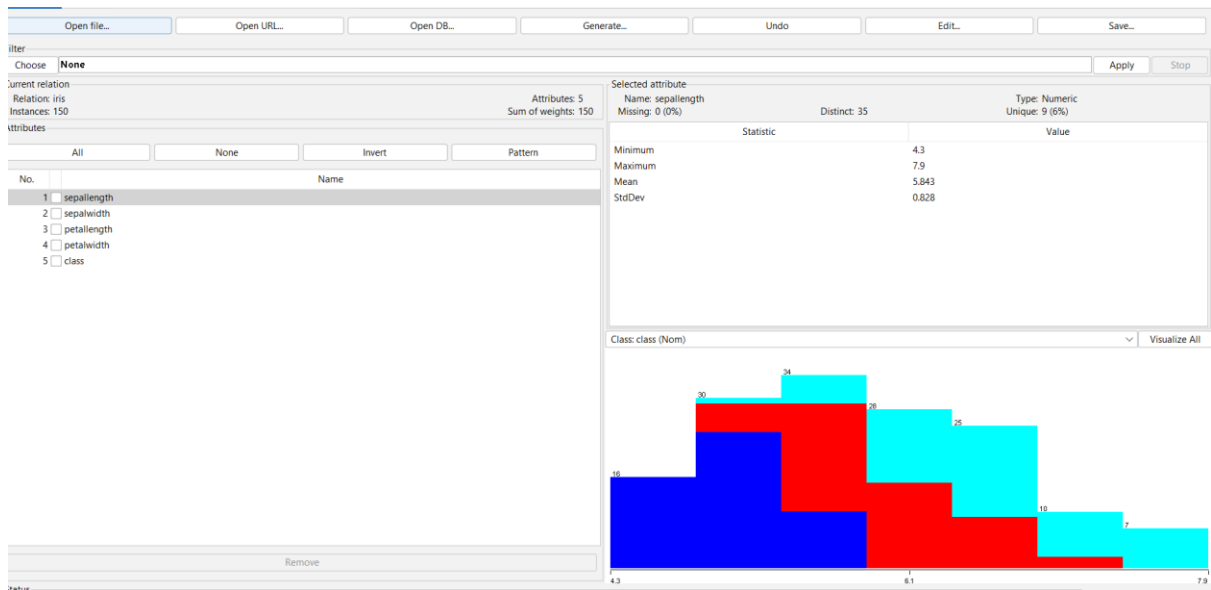


K means cluster



Clusterer

Choose **SimpleKMeans** -int 0 -max-candidates 100 -periodic-pruning 10000 -min-density 2.0 -t1 -1.25 -t2 -1.0 -N 2 -A "weka.core.EuclideanDistance -R first-last" -I 500 -num-slots 1 -S 10

Cluster mode

☒ Use training set

☐ Supplied test set

☐ Percentage split %

☐ Classes to clusters evaluation (Nom) class

☒ Store clusters for visualization

Ignore attributes

Start

Result list (right-click for options)

32651 - EM

32636 - SimpleKMeans

Cluster output

KMeans

=====

Number of iterations: 7

Within cluster sum of squared errors: 62.1436982815797

Initial starting points (random):

Cluster 0: 6.1,2.9,4.7,1.4,Iris-versicolor

Cluster 1: 6.2,2.9,4.3,1.3,Iris-versicolor

Missing values globally replaced with mean/mode

Final cluster centroids:

| Attribute | Full Data (150.0) | Cluster# 0 (100.0) | Cluster# 1 (50.0) |
|------------|-----------------------------|--------------------------|-------------------------|
| sepalwidth | 5.8433 | 6.262 | 5.006 |
| sepalwidth | 3.054 | 2.872 | 3.418 |
| petalwidth | 3.7587 | 4.906 | 1.464 |
| petalwidth | 1.1987 | 1.676 | 0.244 |
| class | Iris-setosa Iris-versicolor | Iris-versicolor | Iris-setosa |

Time taken to build model (full training data) : 0 seconds

=== Model and evaluation on training set ===

Clustered Instances

| | |
|---|------------|
| 0 | 100 (67%) |
| 1 | 50 (33%) |

