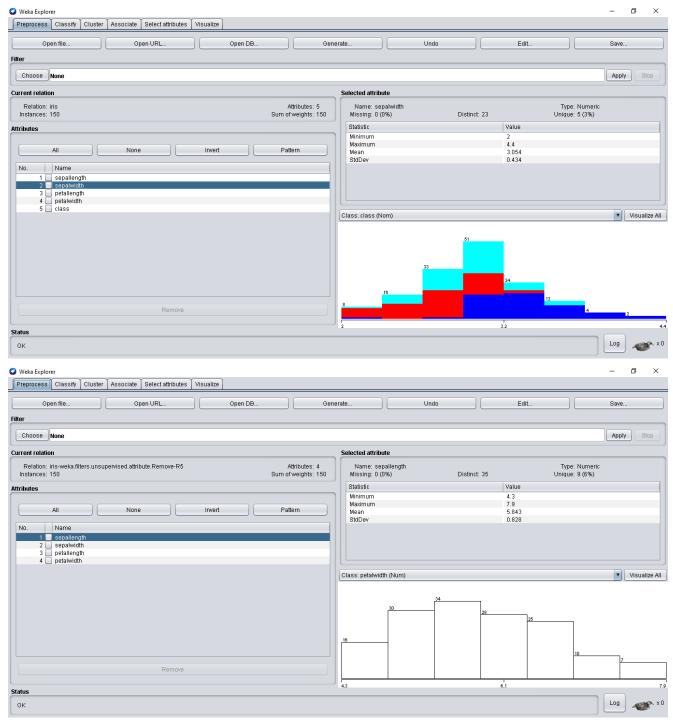
CO328 - Machine Learning Weka Lab - Part 2 E/16/319 Rathnayake R.P.V.N

01. Load iris.arff

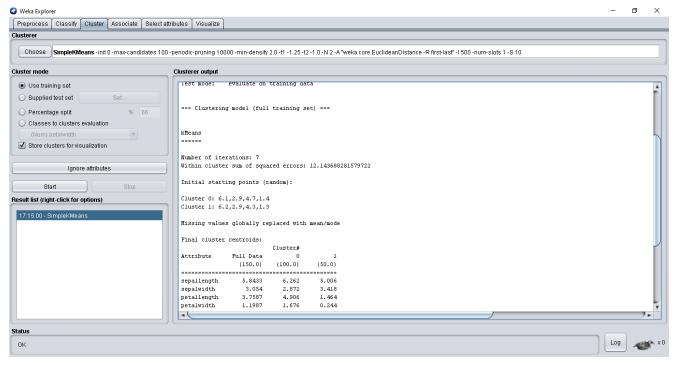


02. Build C4.5 decision tree - training set

03.

Seed is just a random numbers seed. Once seed is fixed, even a randomized algorithm behaves deterministically. KMeans is not deterministic, so if you want repeatable results - you fix a seed. However there is completely no relation between exact value of the seed and the results of KMeans clustering.

04.



Within cluster sum of squared errors: 12.143688281579722

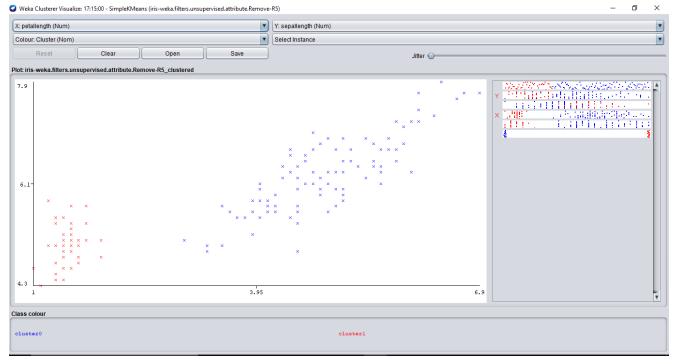
Clustered Instances

0 100 (67%)

1 50 (33%)

Mean absolute error0.0464Root mean squared error0.1965Total Number of Instances20

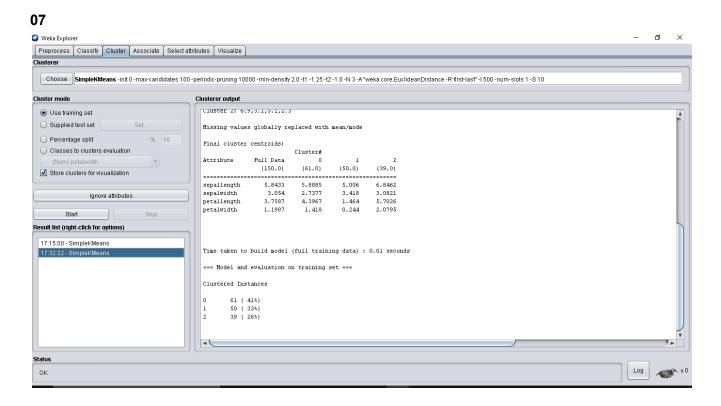
05.

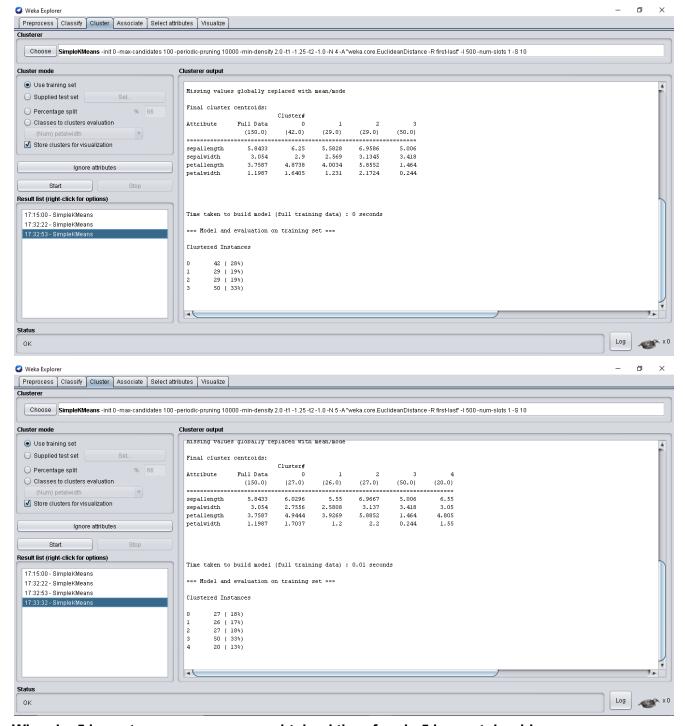


In this use patalleangth as X and sapalleangth as Y color as cluster

06.

ARFF (Attribute-Relation File Format) file is an ASCII text file that describes a list of instances sharing a set of attributes. ARFF files were developed by the Machine Learning Project at the Department of Computer Science of The University of Waikato for use with the Weka machine learning software.





When k= 5 lowest mean square error obtained therefore k=5 is most durable