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Moodle Id: 26  
Div: A  
Roll No: 26  
Subject: DWM

## EXPERIMENT NO. 9

**Weka Explorer**

Preprocess | Classify | Cluster | Associate | Select attributes | Visualize

Open file... Open URL... Open DB... Generate... Undo Edit... Save...

Filter: Choose None Apply

Current relation: dataset  
Instances: 5  
Attributes: 6

Attributes: All None Invert Pattern

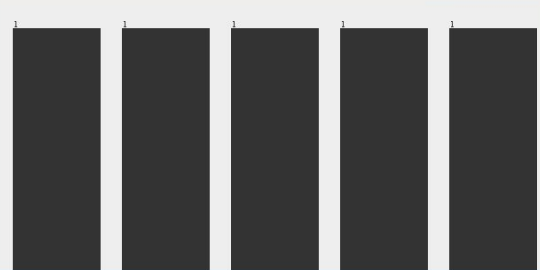
No.	Item	Name
1	E	
2	A	
3	C	
4	B	
5	D	

Remove

Selected attribute: Name: Item  
Missing: 0 (0%) Distinct: 5 Type: Nominal Unique: 5 (100%)

No.	Label	Count
1	E	1
2	A	1
3	C	1
4	B	1
5	D	1

Class: D (Num) Visualize All



Status: OK Log x 0

**Weka Explorer**

Preprocess | Classify | Cluster | Associate | Select attributes | Visualize

Clusterer: Choose HierarchicalClusterer -N 2 -L SINGLE -P -A "weka.core.EuclideanDistance -R first-last"

Cluster mode: ☒ Use training set ☐ Supplied test set Set...  
☐ Percentage split % 66  
☐ Classes to clusters evaluation (Num) D  
☒ Store clusters for visualization

Ignore attributes: Start Stop

Result list (right-click for options): 15:47:24 - HierarchicalClusterer

Clusterer output

```
=== Run information ===  
Scheme: weka.clusterers.HierarchicalClusterer -N 2 -L SINGLE -P -A "weka.core.EuclideanDistance -R first-last"  
Relation: dataset  
Instances: 5  
Attributes: 6  
Item  
E  
A  
C  
B  
D  
Test mode: evaluate on training data  
=== Model and evaluation on training set ===  
Cluster 0  
{(3.0:1.22927,3.0:1.22927):0.14388,(6.0:1.29529,3.0:1.29529):0.07786}  
  
Time taken to build model (full training data) : 0 seconds  
=== Model and evaluation on training set ===  
Clustered Instances  
0 4 ( 80%)  
1 1 ( 20%)
```

Status: OK Log x 0

