

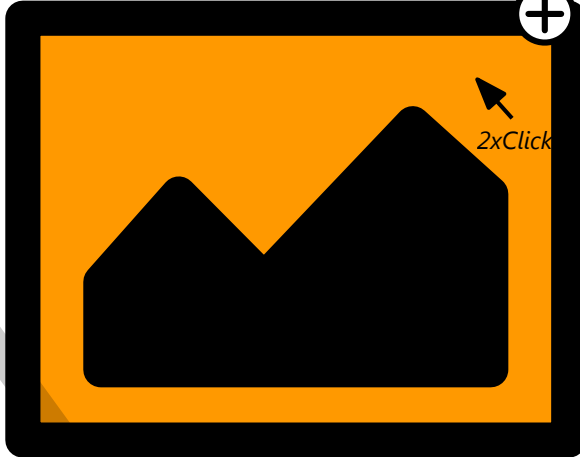
Results

Move Up

Cluster A



Cluster B

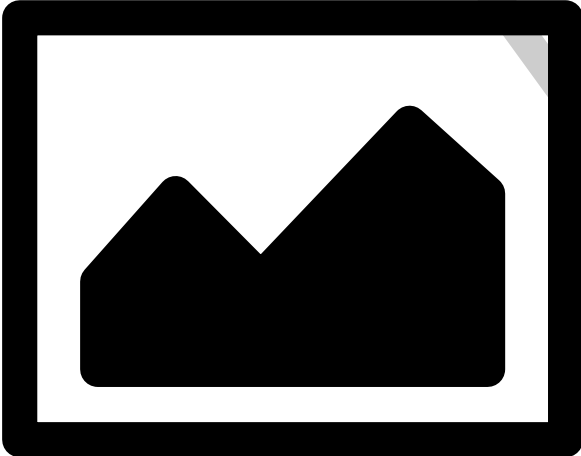


Results

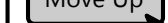
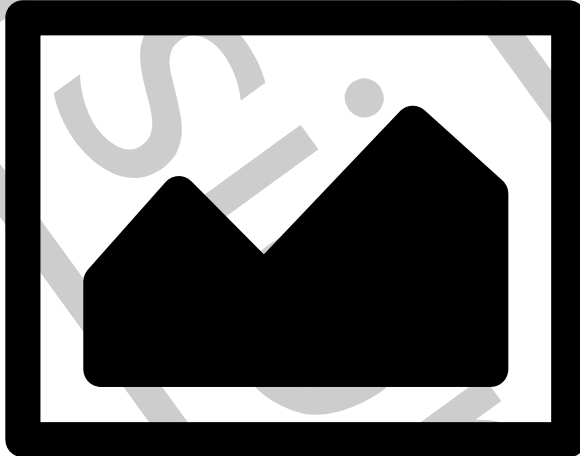
Move Up

Click

Cluster B1



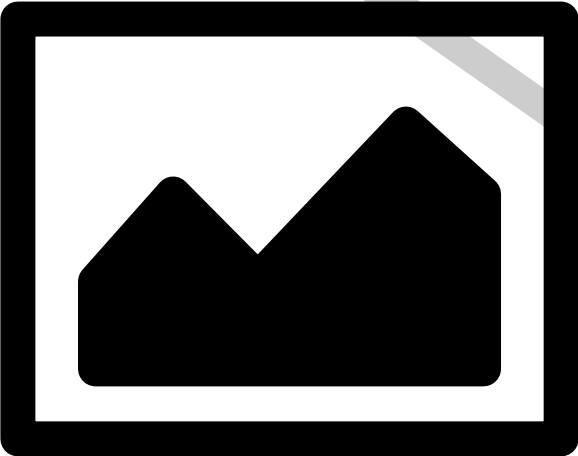
Cluster B2



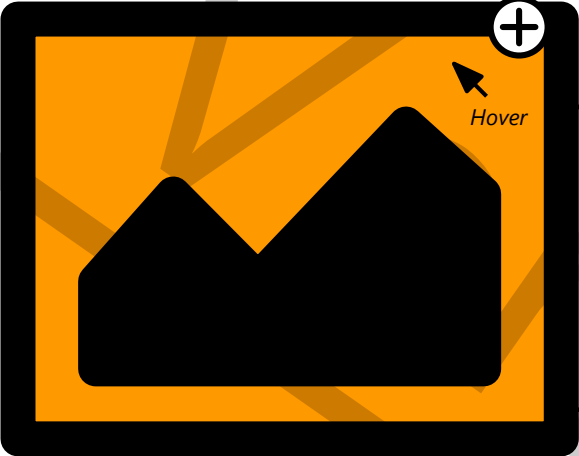
Hovering shows items of cluster.
Clicking selects cluster and shows items.
Clicking a selected cluster disables the preview of the clusters again.
Double clicking inspects cluster as in "Tree".

Results

Cluster A

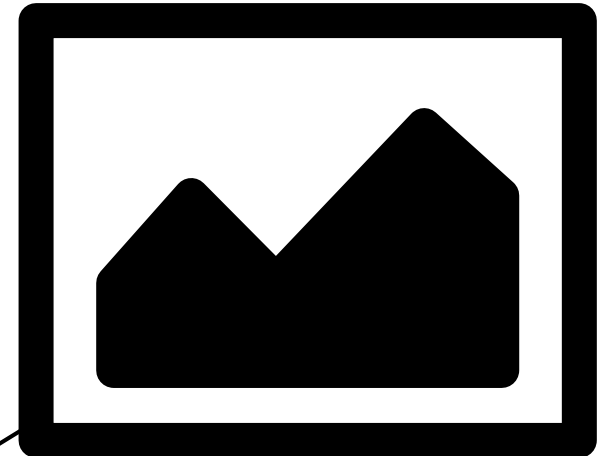


Cluster B

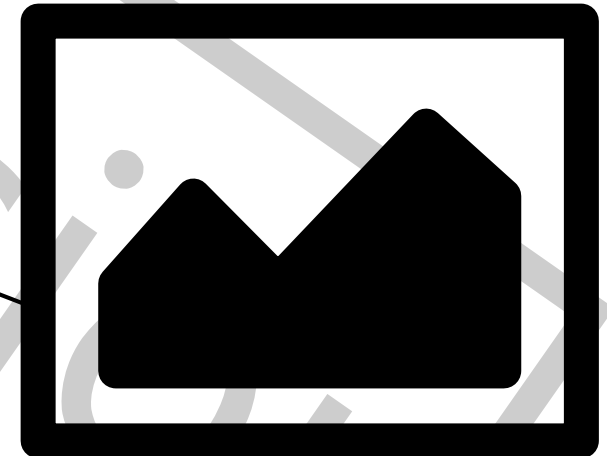


Move Up

Cluster B1

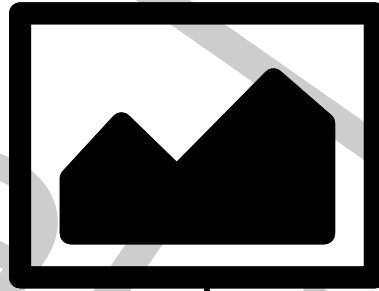


Cluster B2



Results

Root



Cluster A

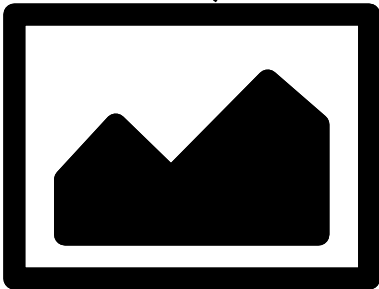


Selecting a new cluster moves it into the middle, the current cluster to the root spot and displays beneath it the children clusters. (Animation to make transition easier for the user)

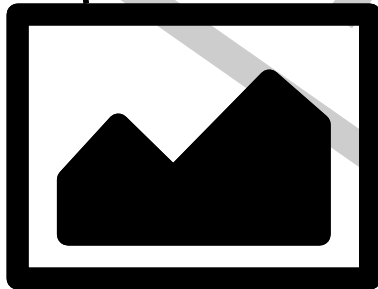
Cluster A1



Cluster A2



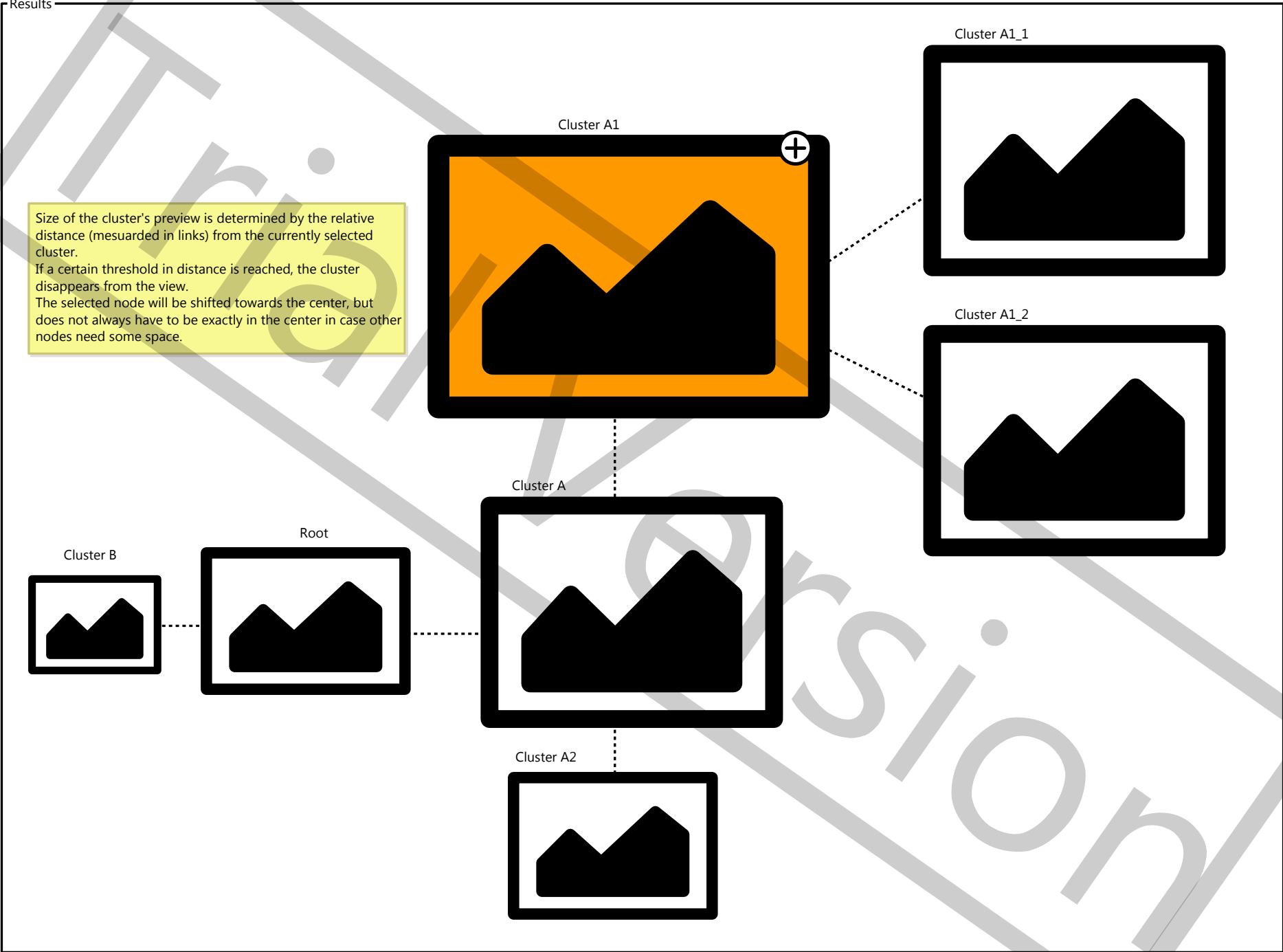
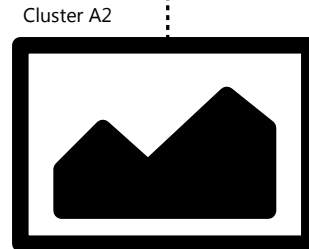
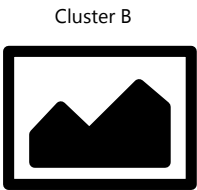
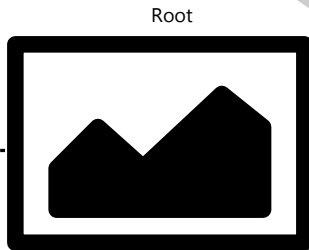
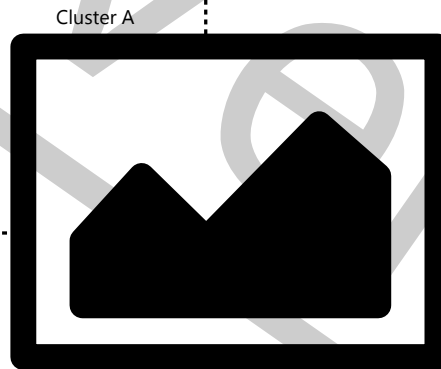
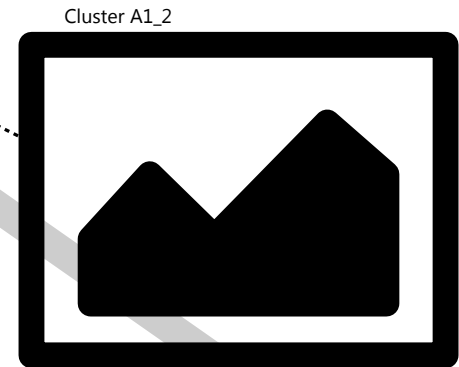
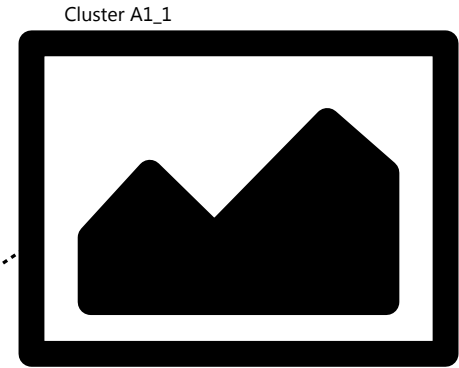
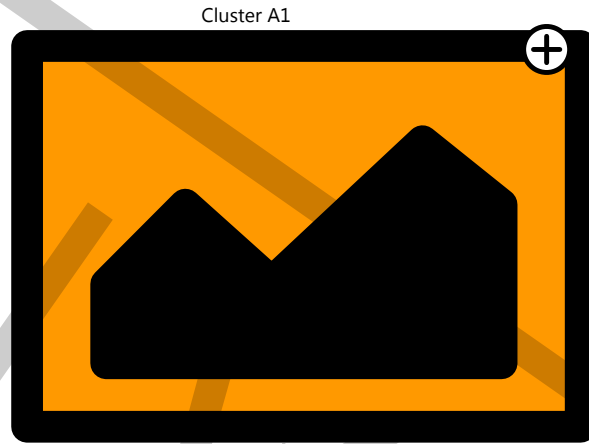
Cluster A3



Cluster A4

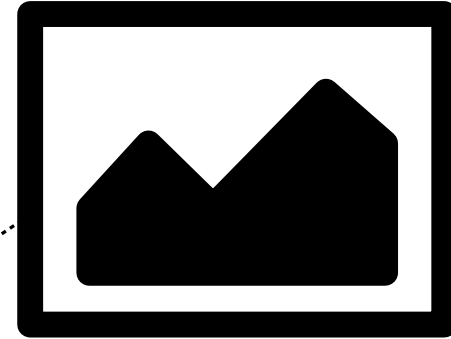


Size of the cluster's preview is determined by the relative distance (measured in links) from the currently selected cluster.
If a certain threshold in distance is reached, the cluster disappears from the view.
The selected node will be shifted towards the center, but does not always have to be exactly in the center in case other nodes need some space.

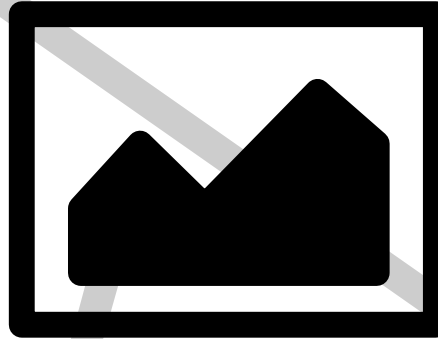


Results

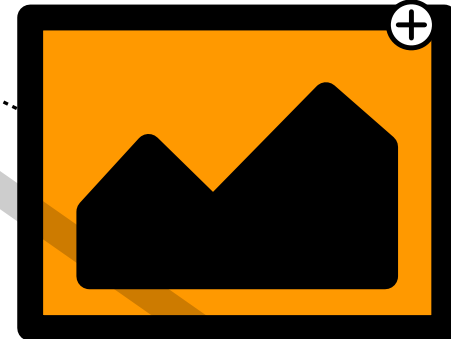
Cluster C



Cluster E



Cluster B



Cluster F



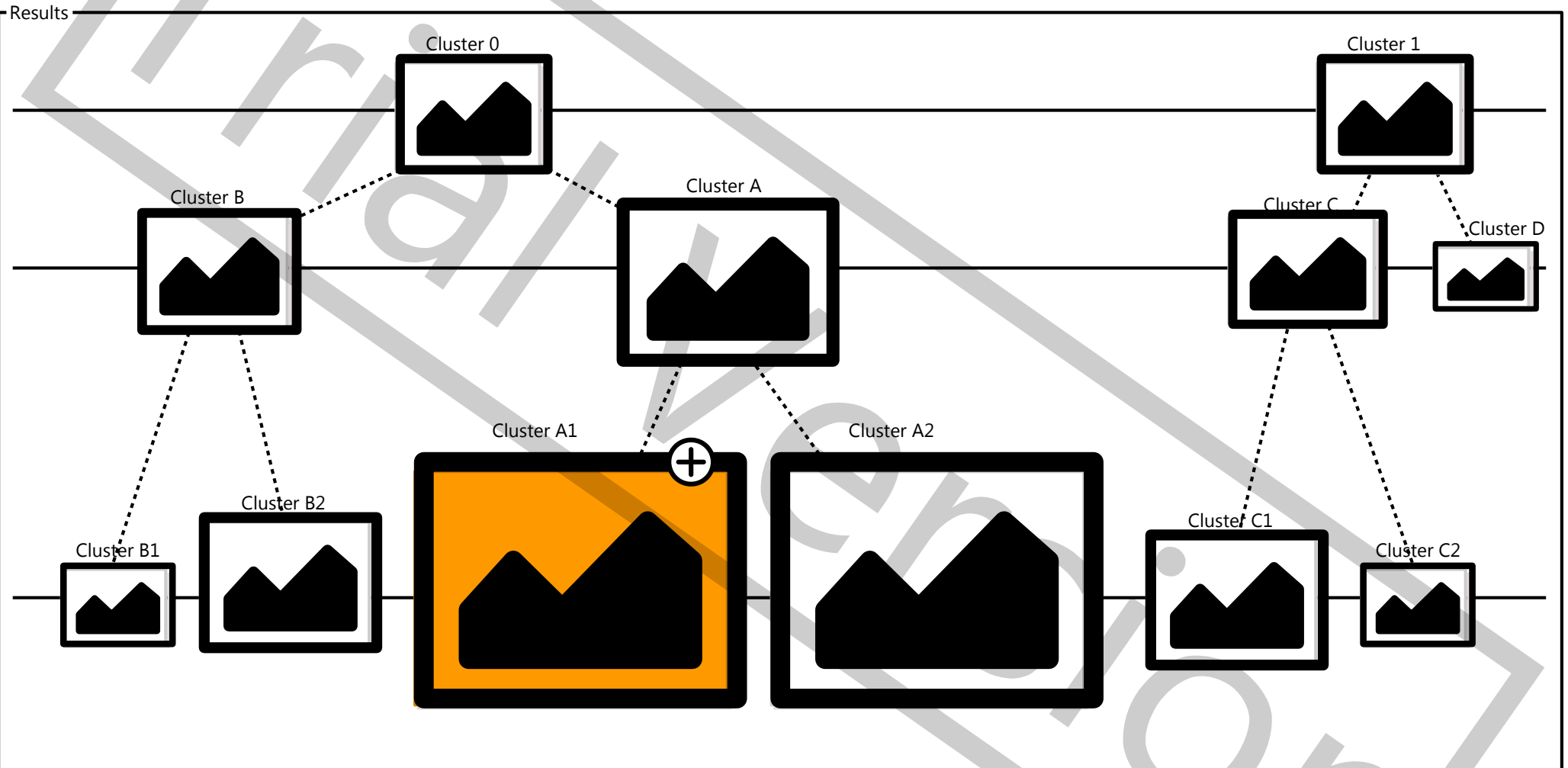
Cluster A



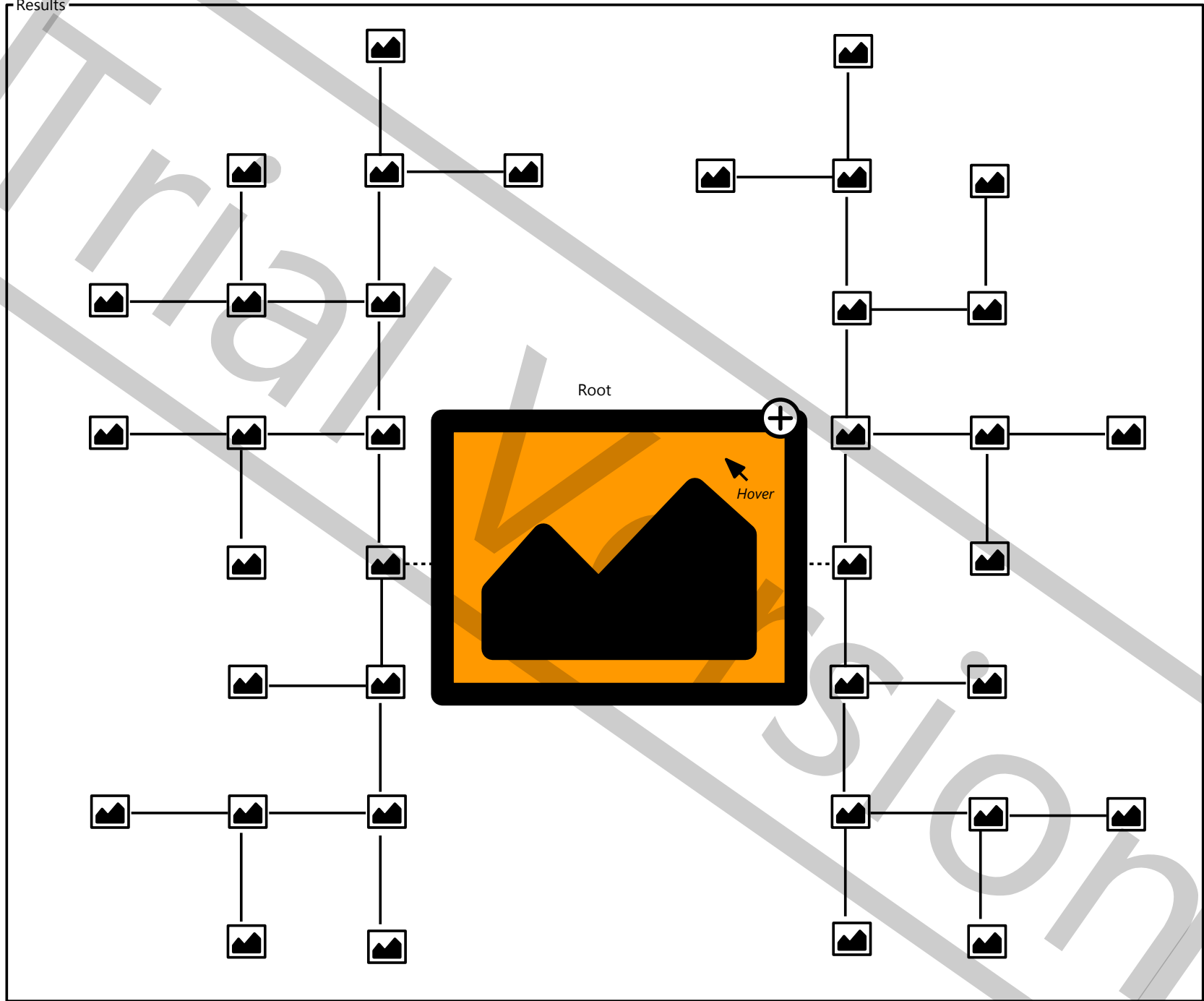
Cluster B



Intra Cluster Threshold



Results



An app is selected

A cluster is selected

k-Means

k-Means Cluster Method Presets

Seed:

Variables: Item One, Item Two, Item Three, Item Four

Parameter: 3 25

Parameter: 3 25

Plot Options

Output Column Name

Model Parameters

Type Run until 08 : 30 04/05/15

k-Means

k-Means Presets

Seed: 38811229

Variables: Item One, Item Two, Item Three, Item Four

Parameter: Yes No

Parameter: 3 25

Plot Options

Output Column Name

Model Parameters

Use

k-Means

k-Means

Variables: Item One, Item Two, Item Three, Item Four

Parameter1: from to

Parameter2: to

Parameter3: start end

Parameter4: start: 0 end: 0

Plot Options

Output Column Name

Model Parameters

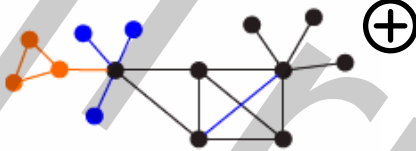
Run until... 08 : 30 04/05/15

Run for 08 h 30 min

Run for 500 times

k-Means

Comparison Method



k-Means

Seed:

Variables:

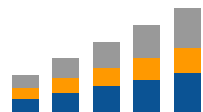
- Item One
- Item Two
- Item Three
- Item Four

Parameter:

60% 40%

Yes No

Parameter:



Plot Options

Output Column Name

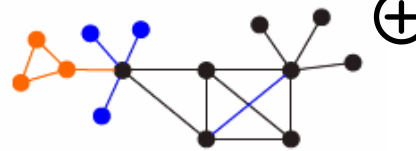
Model Parameters

Use

Only shows histograms -> more space.
Scales better

k-Means

Comparison Method



k-Means

Seed:

Variables:

- Item One
- Item Two
- Item Three
- Item Four

Parameter:

60% 40%

Yes No

Parameter:

3 25

min max

1 12

Plot Options

Output Column Name

Model Parameters

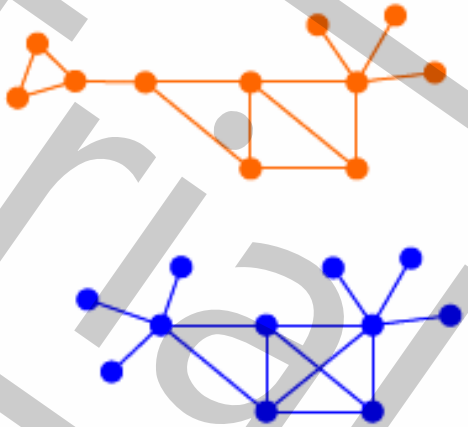
Use

Does not have presets

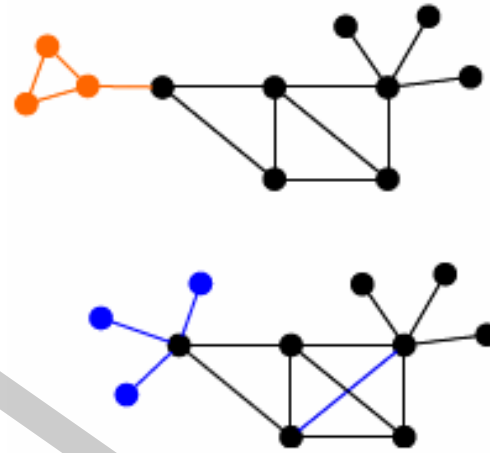
Min and max are the extreme values inside the root cluster
Histograms are drawn on top of each other to help with the comparison of the distribution of this parameter.

Gives exact values, shows them on slider.
Scales poorly.

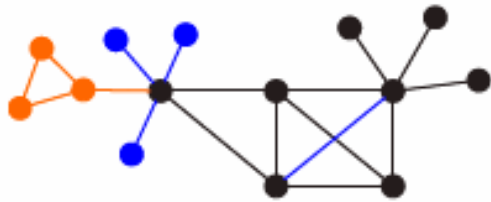
original elements



intersection and juxtaposition



intersection with addition



union



intersection

