Project with Orange3

 This Project with Orange3 about cluster image and Machine Learning

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- Algorithm corse, teach Dr.HHaji

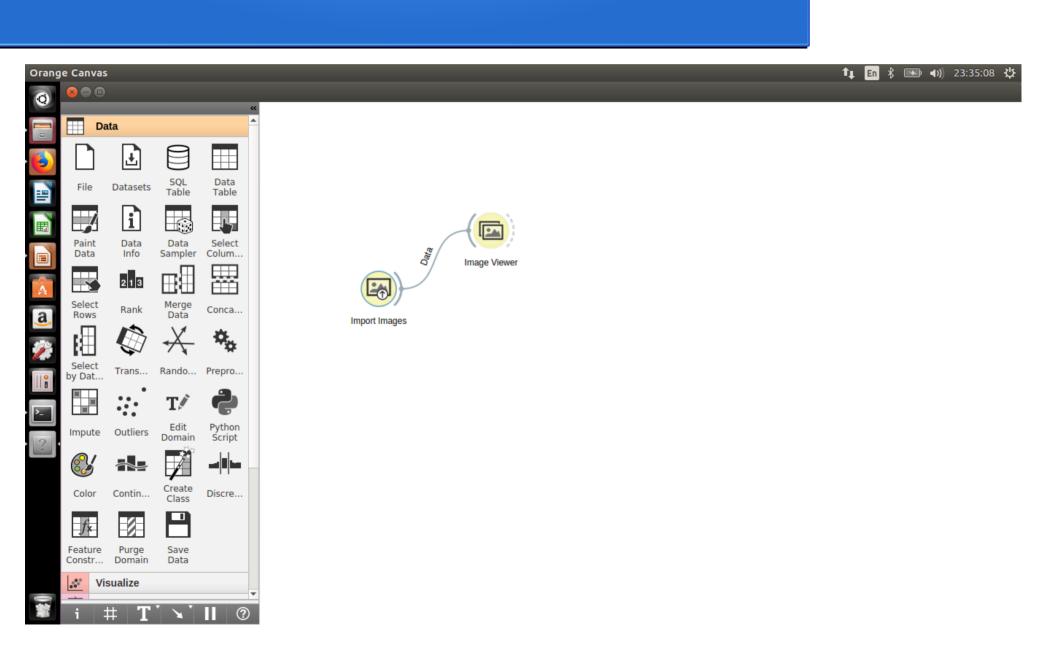
- For this Project, I need to set image.
- I search for a lot, but I could not find the image dataset so I search on Google and download image.
- My Data file (data) has 104 images.
- And download 2 images for end step.

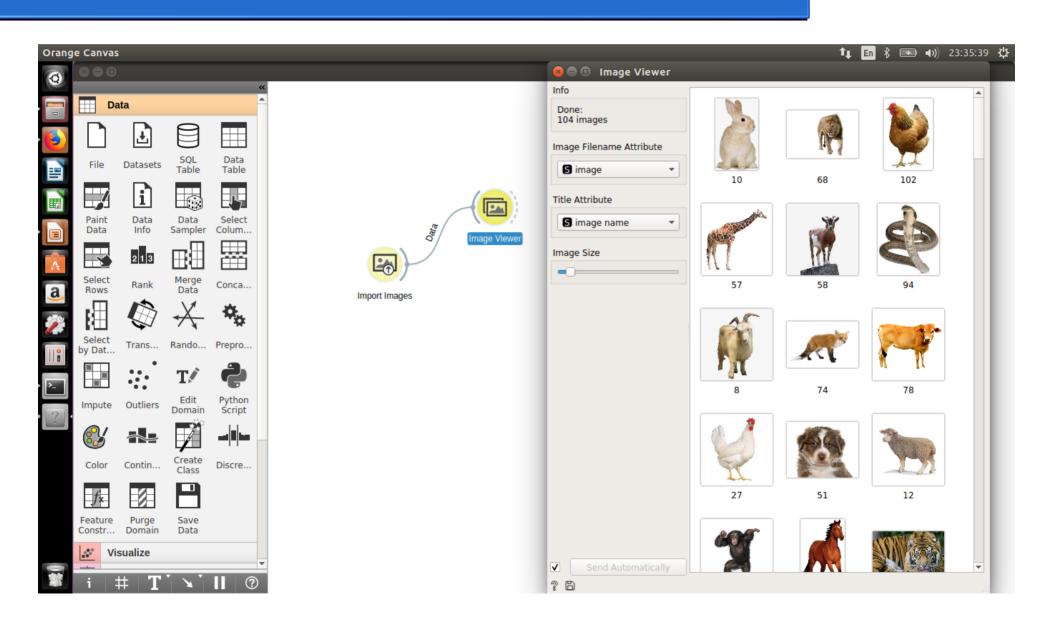
Step for work:

- 1. Open Orange3
- 2. Select "Image Import" then load data file.
 - 3. Conect to "Image Viewer".

you select "Image Viewer" and see images.

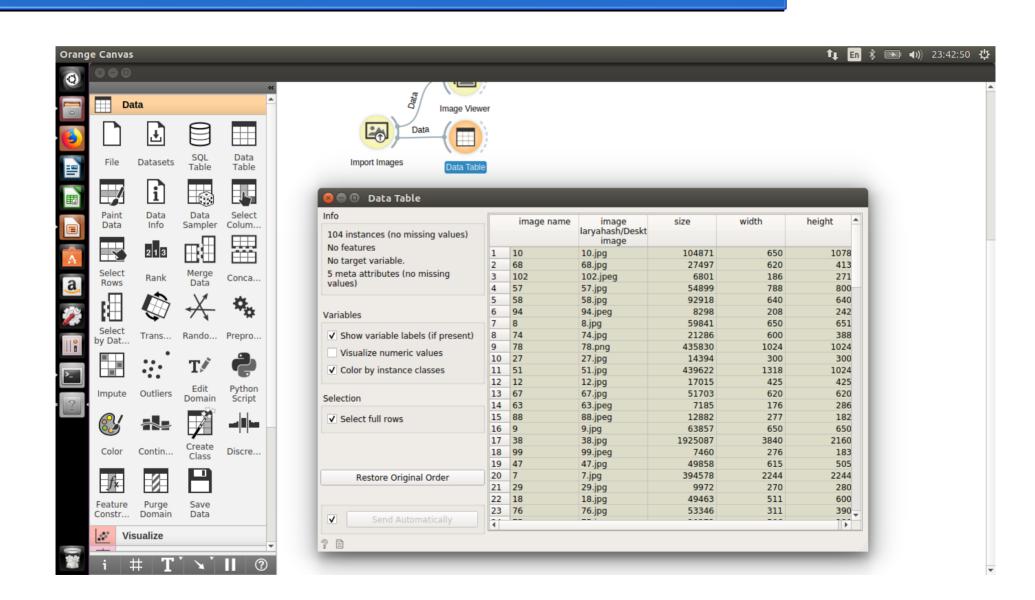
(Like the figure next page.)





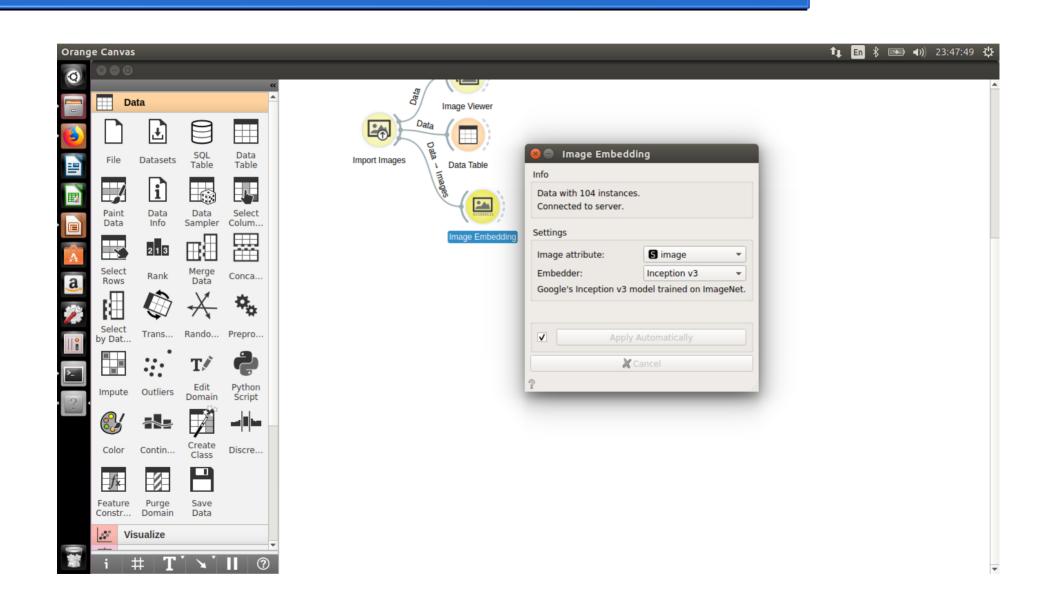
Connect to "Data Table"
You can see table of data image.

(Like the figure next page.)

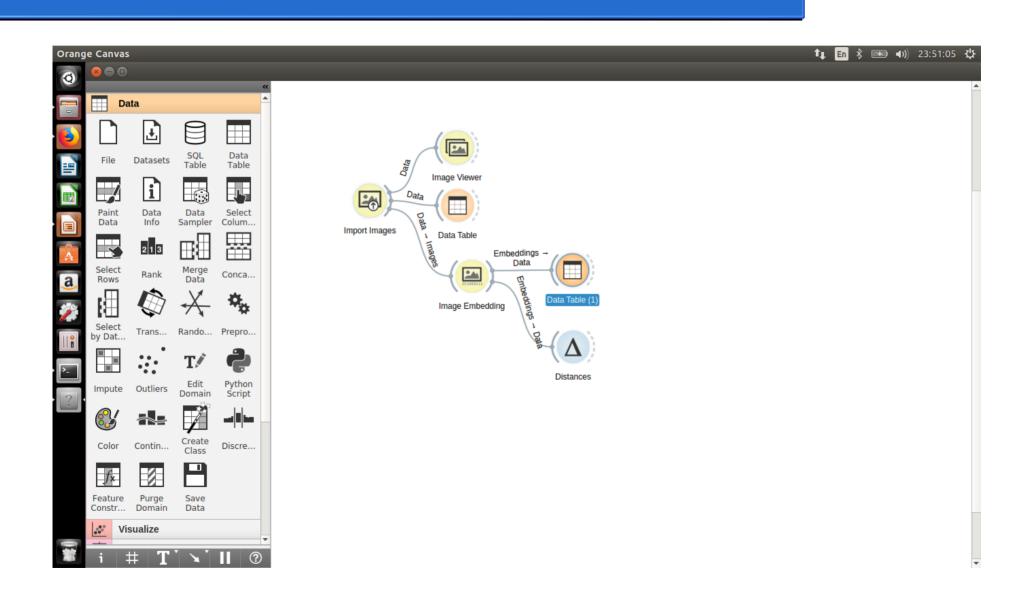


 Connect to "Image Embedding" wait until load image in "image Embedding", you can use type embedding.

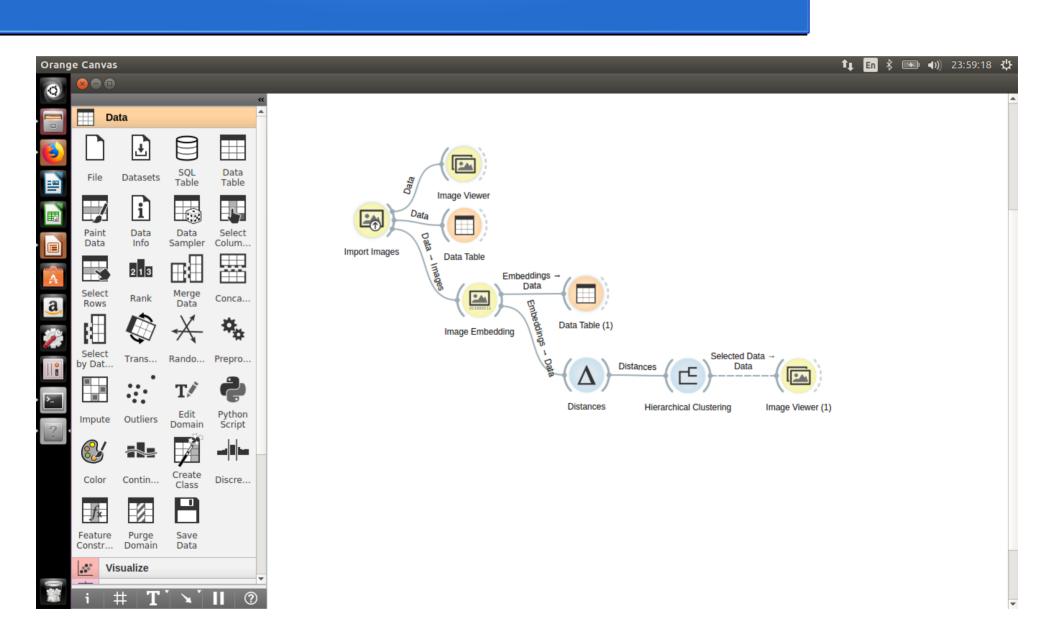
(Like the figure next page.)

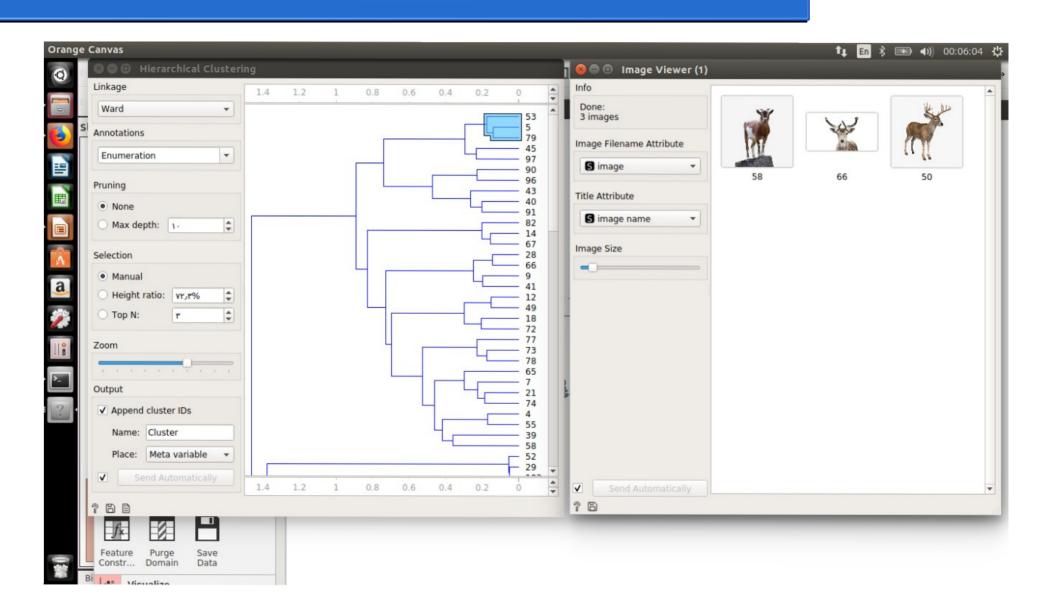


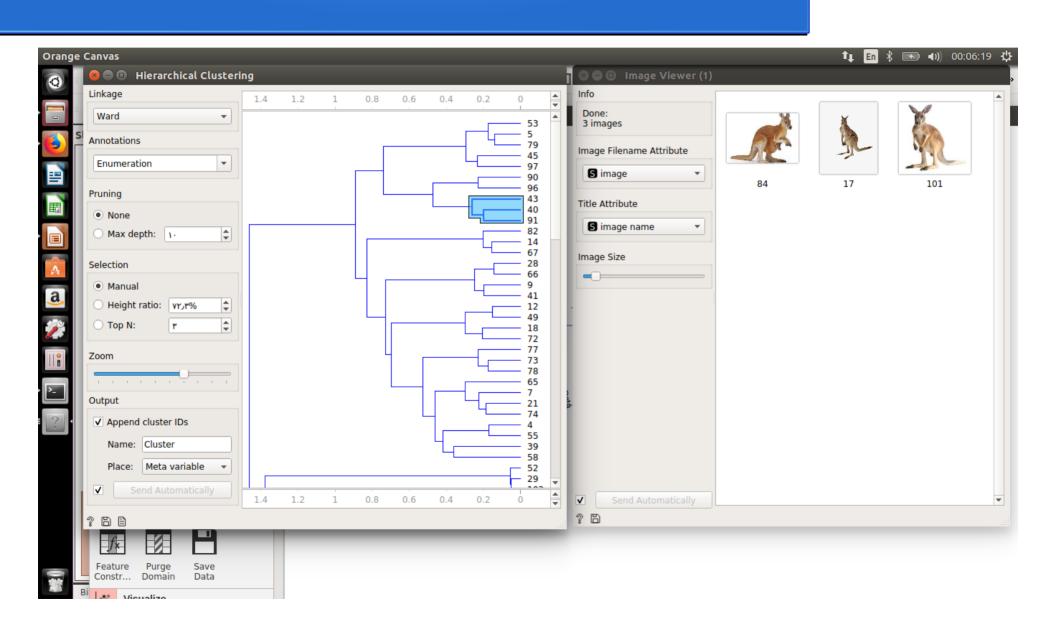
- Connect to "Data Table".
- Connect to "Distance". (Like the figure next page.)

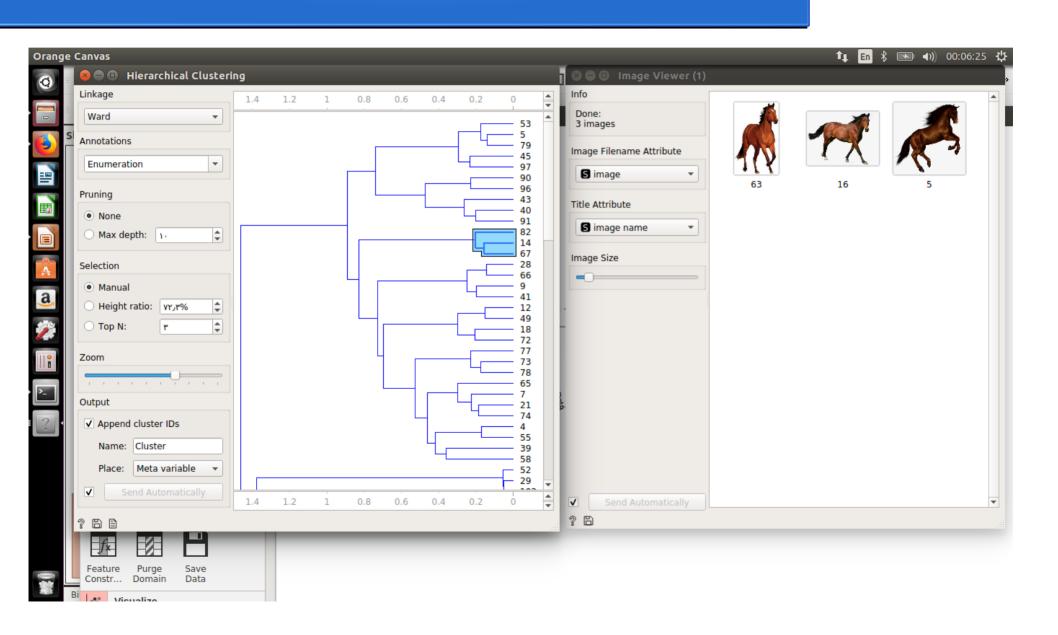


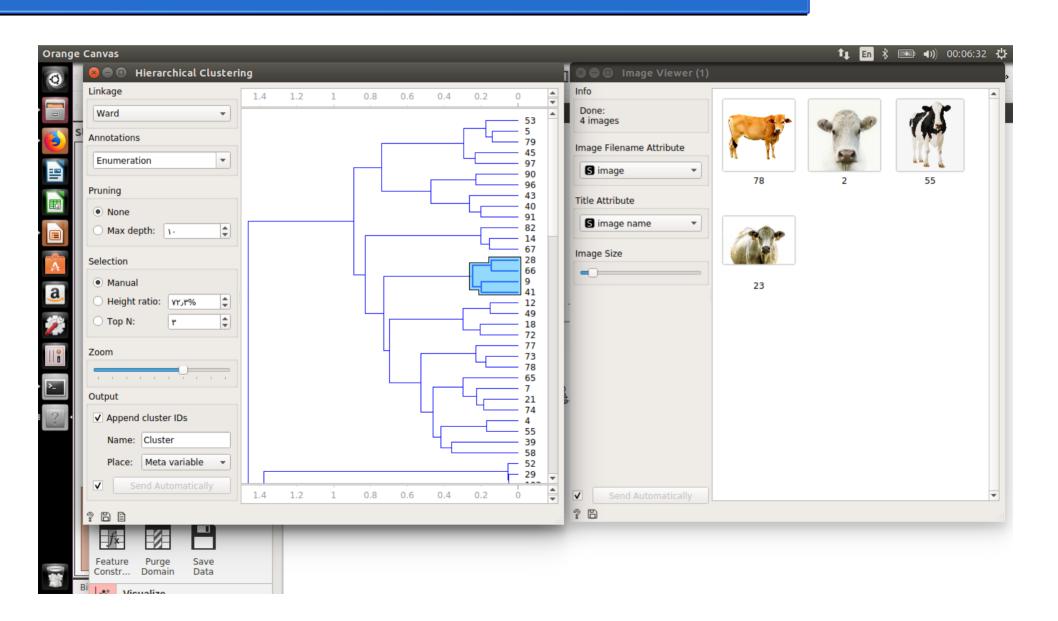
- Connect to "hierarchical Clustering".
- Connect to "Image Viewer". (Like the figure next page.)

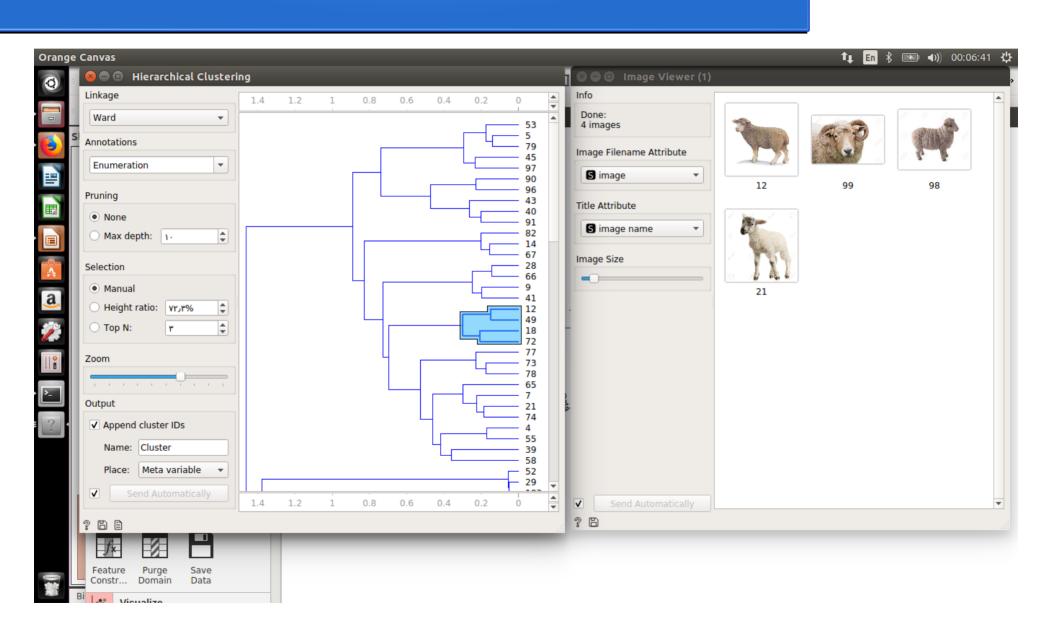




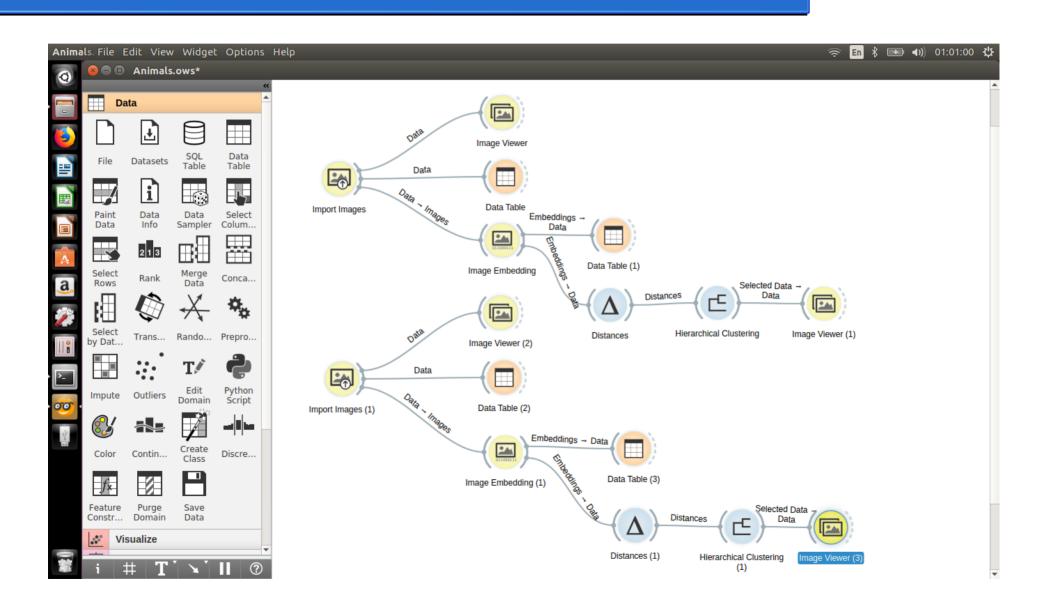








 Now add tow images in data image so has 106 images. Repeat all steps with new data images.

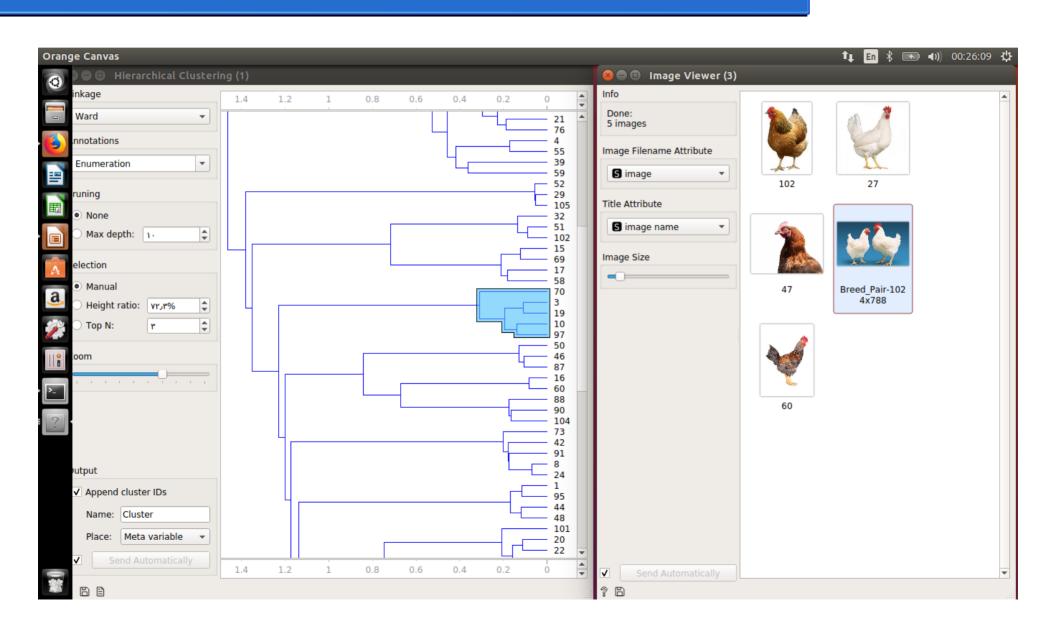


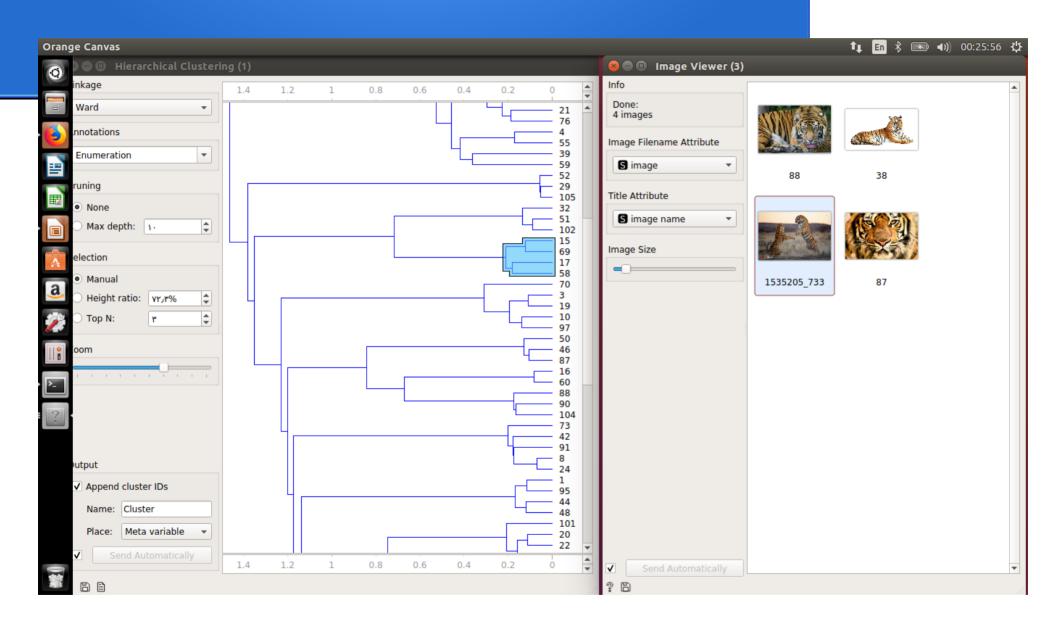
- Of course, you can only load new data image without having to repeat the steps, I only want to see the difference.
- You can see below the two images that have been added.





 You can see below result new clustering that images correct clustering.





Good Lock