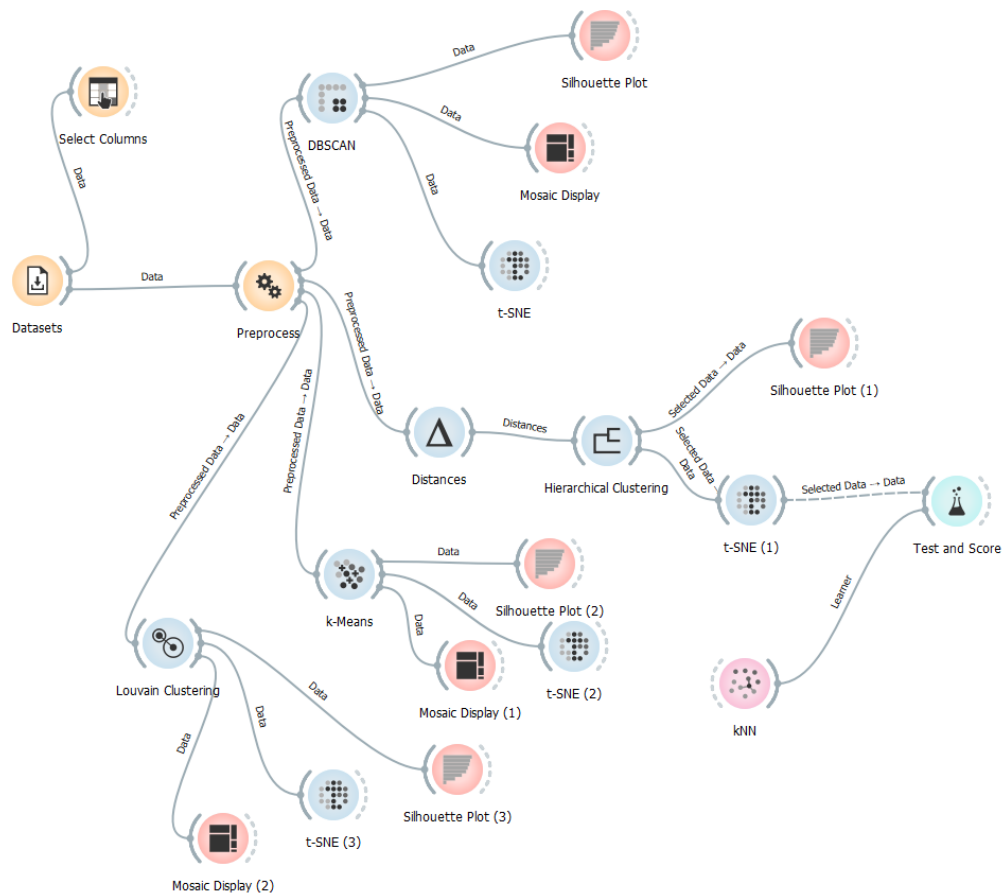


## Anastasia Psarou – Assignment 9 – Project

This is my dataflow:

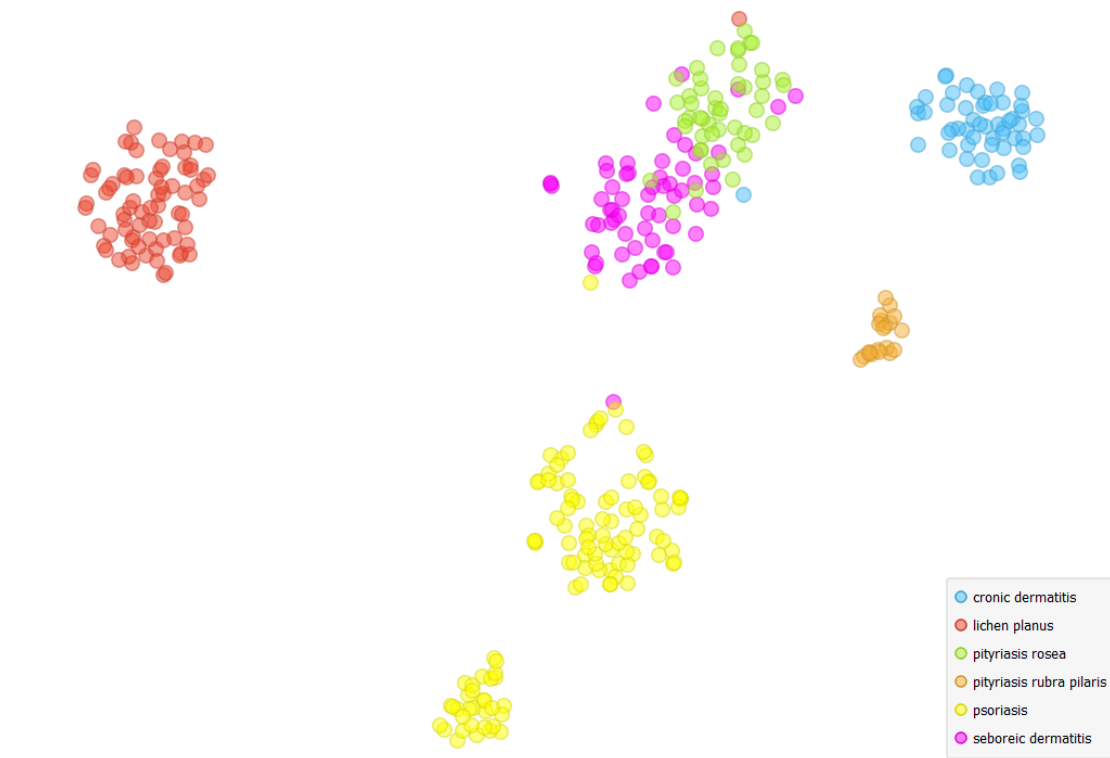


The dataset I choose is “Dermatology”.

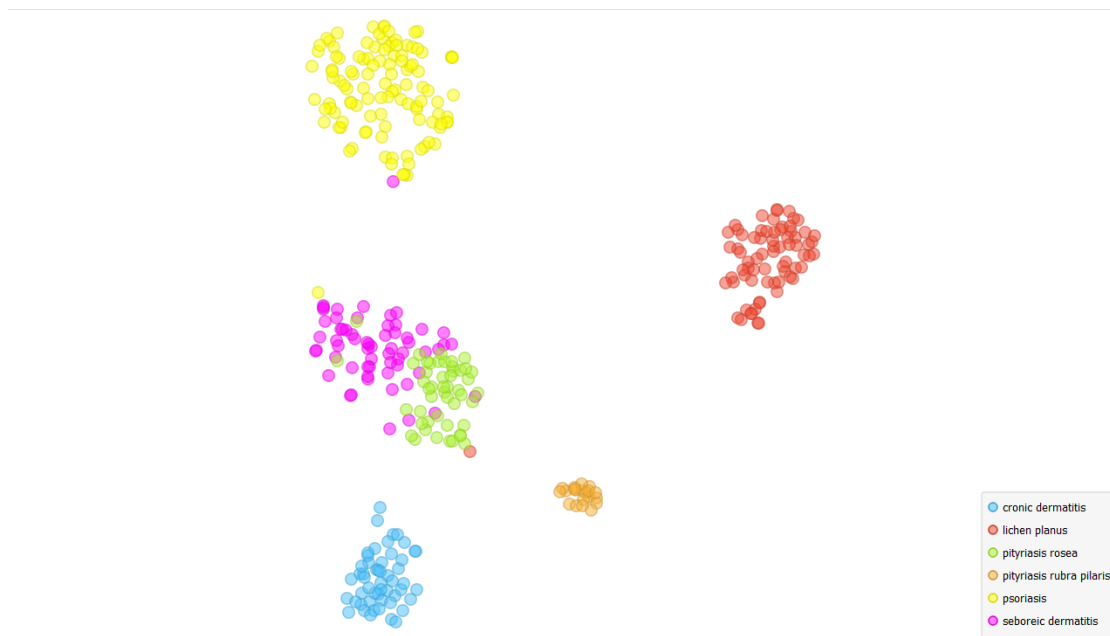
I am going to watch the way these different clustering methods are behaving in order to end up to the best one.

I think that the t-SNE graph is the one that will help me decide which one of these methods is the best.

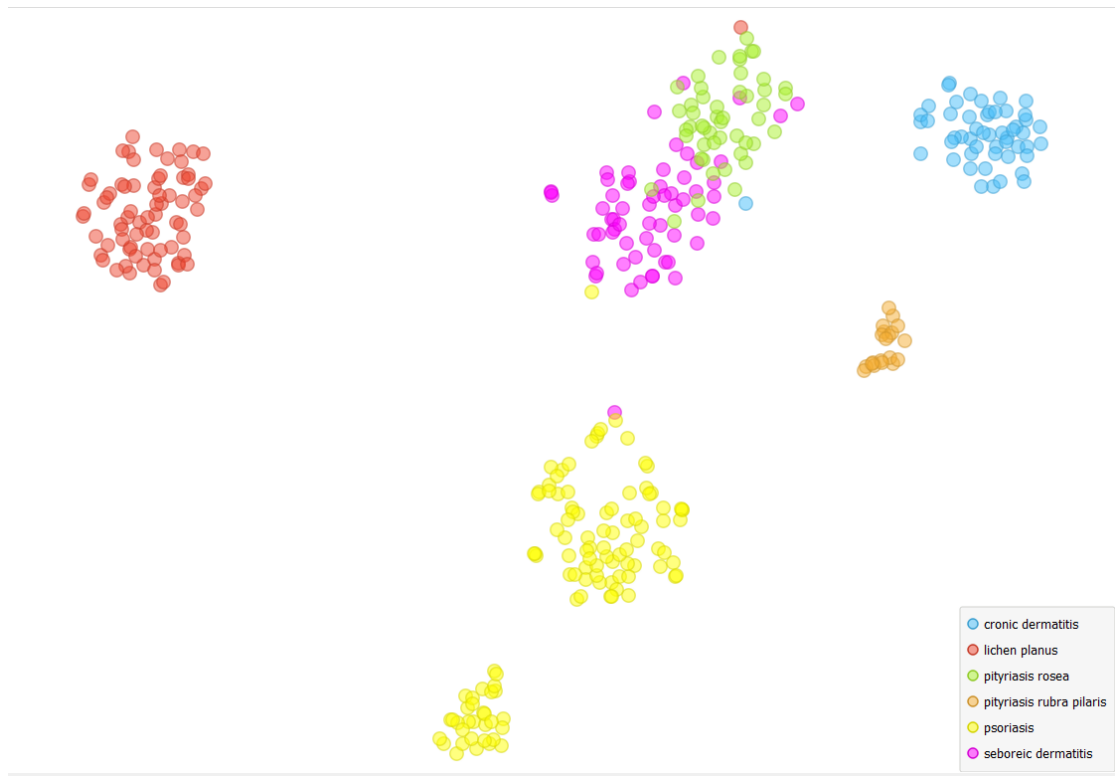
- **Louvain Clustering**



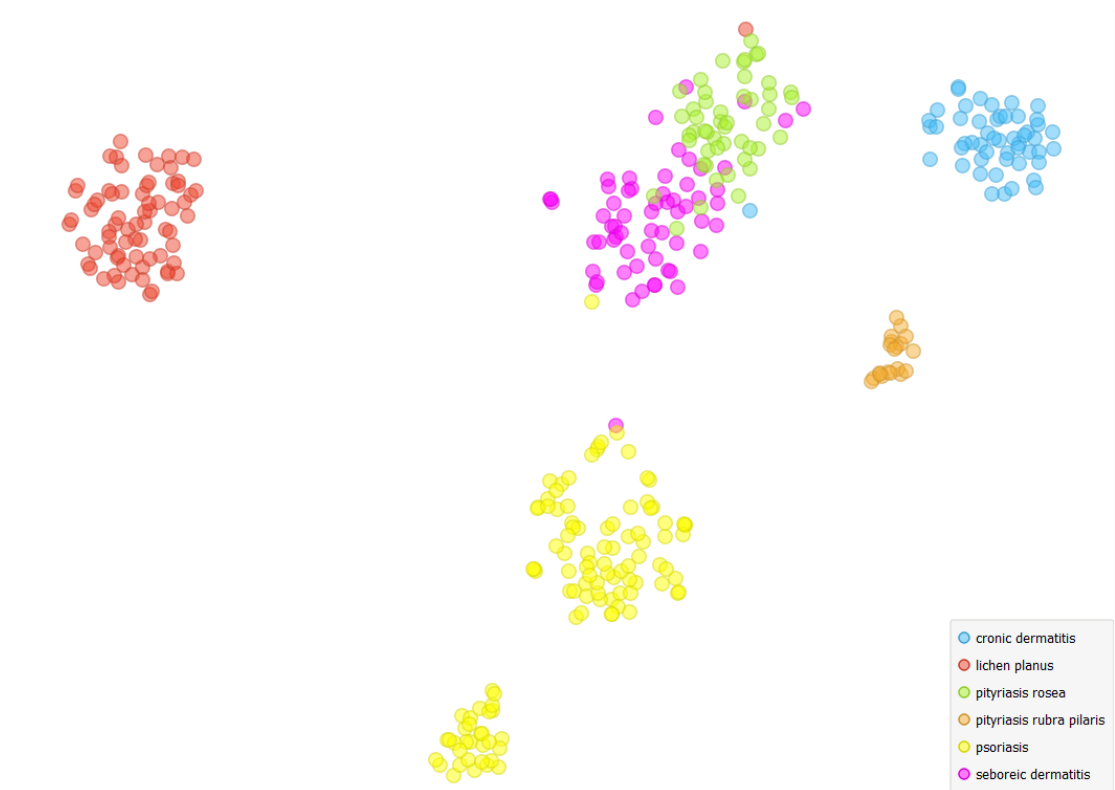
- **Hierarchical Clustering**



- **DBSCAN**



- **k-Means**



From the above results it seems to me that Hierarchical Clustering is the method that has more concentrated clusters the one between the other ones. So, I believe that as far as I am concerned Hierarchical Clustering is the best clustering method, which reconstructs the structure of the dataset classes.