

Assignment 9: Clustering

The objective:

Practicing unsupervised machine learning: clustering.

The tasks:

1. In Exercise 1 we used Hierarchical clustering algorithm.
 - Which type?
 - How many types of hierarchical clustering are you familiar with?
 - How do they differ?
2. Train a clustering model with Mean Shift algorithm and `freedom.csv` data source file.
 - store your model in a file
 - create simple web application that can deploy and run the model as seen in class
 - run the application for predicting the cluster of a data set
 - take and attach a screen shot of your solution
3. Describe the difference between K-means and Mean Shift algorithms
 - in which occasions would you prefer to use the mean shift algorithm?

2SP