Ödev

Run the k-means algorithm on the iris dataset. Set K=3 and run k-means algorithm 5 times with different random initial centroids. After the algorithm is done calculate and report the number of points in each cluster after each run. Also plot 2D and 3D figures using selected 2 or 3 dimensions of the data points. In the figures show the points belonging to the same cluster with the same color and points belonging to different clusters with different colors. What do you think about the clusters produced by k-means? Are they the "natural" clusters?

You should upload 2 files to itslearning system: Python codes that you will write for this assignment and a report containing the figures and explanations.

Don't forget to check the deadline. Late submissions are NOT allowed.