Unsupervised Learning

Overview:

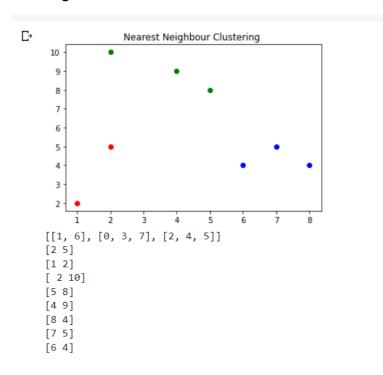
Unsupervised Learning algorithm that looks for patterns in the training data set, unlike supervised learning algorithms, they do not have a target value. So rather than plot the data to a specefic point based on the input, it clusters data into groups based on common input features. For this assignment we implemented the following unsupervised learning algorithms

K-means



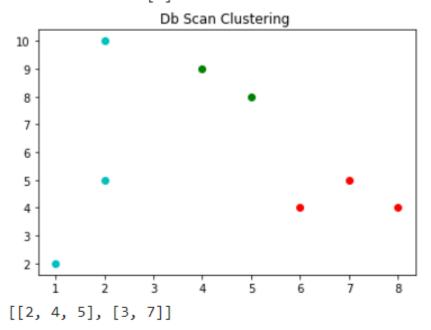
Results: Results of k-means clustering

Nearest-Neighbour Clustering



DB-Scan

Noise clusters: [0] Noise clusters: [1] Noise clusters: [6]



Cluster n [8 4] [7 5] [6 4] Cluster n [5 8] [4 9]

Results: Results of DB-Scan