

do:

delta <- 0

```
//Assign Object to Cluster and Change Center
for(i = 0; i < objects; i++):
    // Find Nearest Cluster from Object
    index <- nearest_cluster();

    //Check for Membership Change
    if membership[i]:
        delta <- index

    //Change Membership of Object i to Cluster index
    membership[i] <- index

    //Update Cluster Center and Set Clusters
    newClusterSize[index] <- newClusterSize[index] + 1
    for(j = 0; j < coordinates; j++):
        newClusters[index][j] <- newClusters[index][j] + objects[i][j]
```

```
//Average Sum and Replace Contents of cluster[][]
for(i = 0; i < clusters; i++):
    for(j = 0; j < coordinates:
        clusters[i][j] <- newClusters[i][j] / newClusterSize[i]
        newClusters[i][j] <- 0
    newClusterSize[i] <- 0
```

delta <- delta / objects

while(delta > threshold)