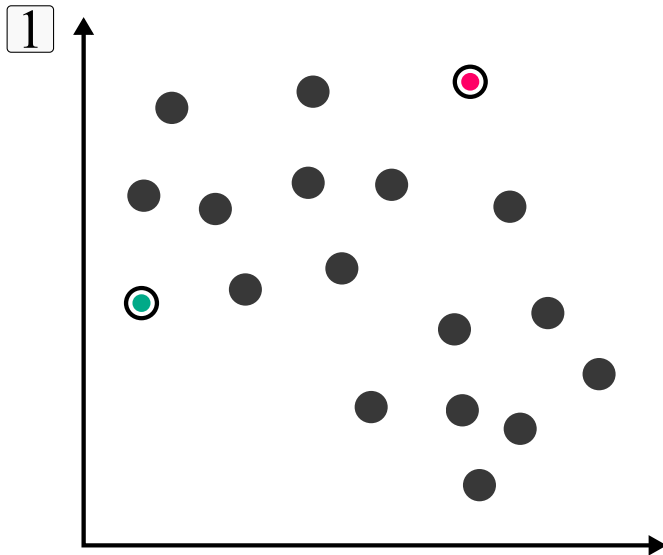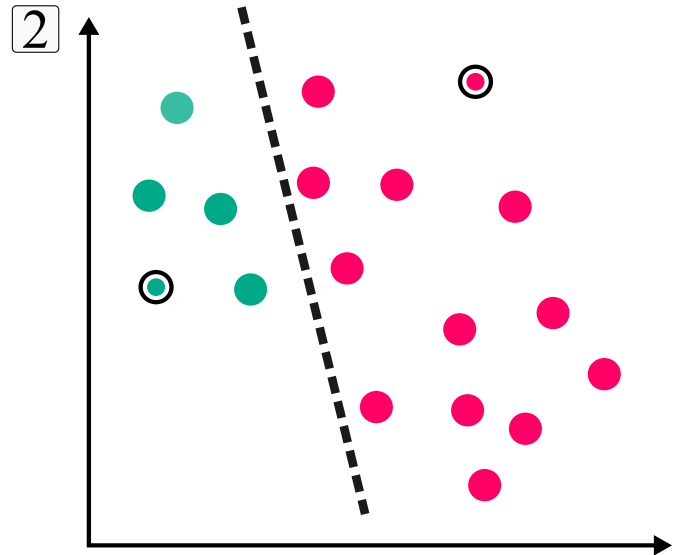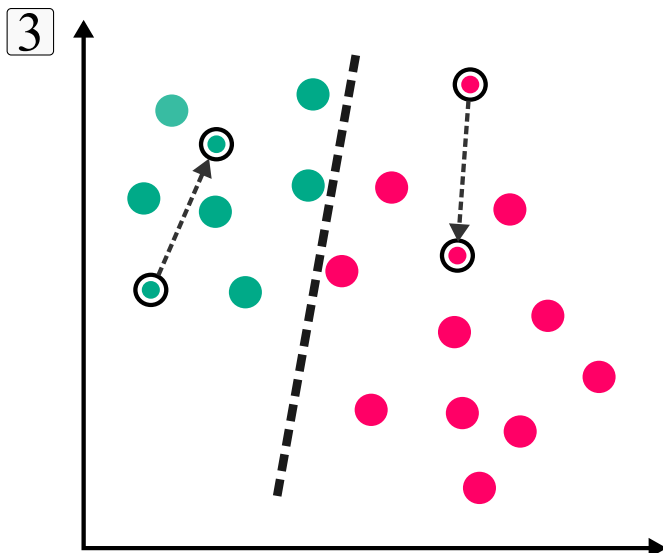# K- means clustering algorithm
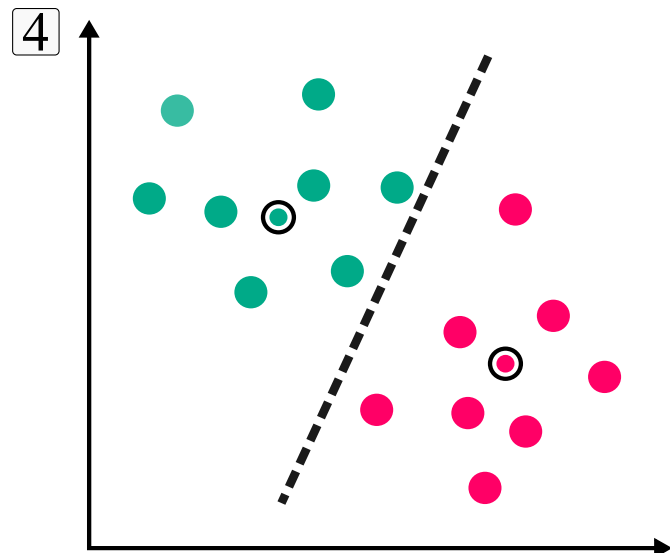

1 — k initial "means" (in this case k=2) are randomly generated within the data domain

2 — k clusters are created by associating every observation with the nearest mean.

3 — The centroid of each of the k clusters becomes the new mean.

4 — Steps 2 and 3 are repeated until convergence has been reached.