K-Means Clustering

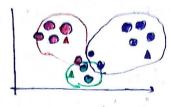
Steps

1. Decide. n clusters

2. Init centroich

3. Assign claster

5. Finish -

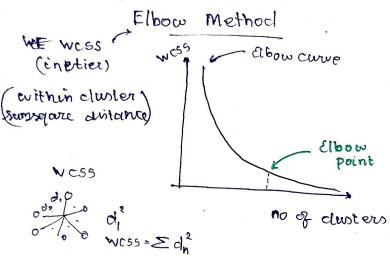


a centroid

point



How many cluster from?



a= (X, y,) (x2, y2) &

(x2x1) (x2-x1) + (A2-A1) (A2,A)

dot (
vector

form = [(x2-x1)(y2-Y)][(x2-x)(y2-Y)]

both same

general rp-squt (np-dot (a-b, a-b))