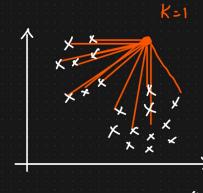
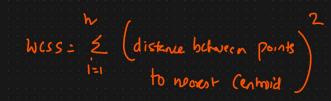


How do we scleet the K value?

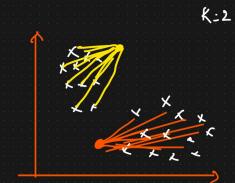
WCSS = Within Cluter Cum of squares

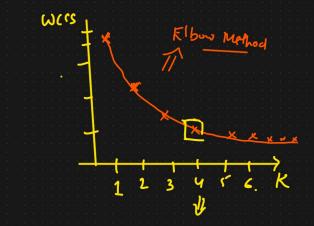
Initialize K=1 to 20



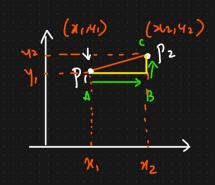


wess W





F Eucledian Distance

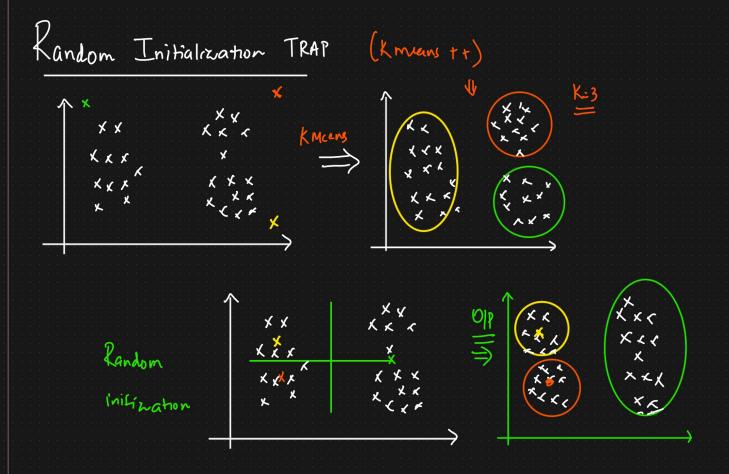


Eucledian dist =
$$\sqrt{(21-11)^2+(42-41)^2}$$

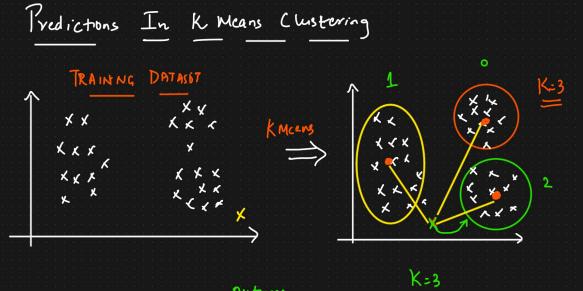








Kneans + + Initialization Technique



Test Datapoint
$$\xrightarrow{\text{Outrome}}$$
 Chuster No \longrightarrow 0,1,2,

 $K=4$
 $O_{1},2,3$