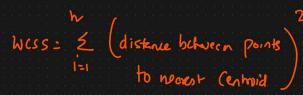


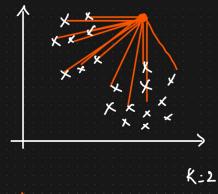
A How do we scleet the K value?

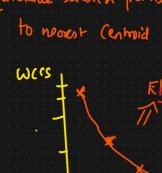
WCSS = Within Wheter Cum of squares

Initia line K=1 to 20

K=1





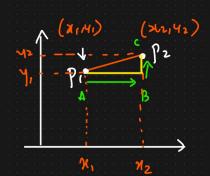


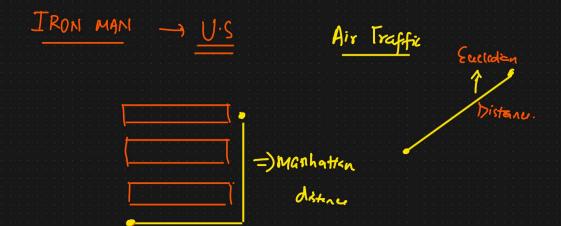


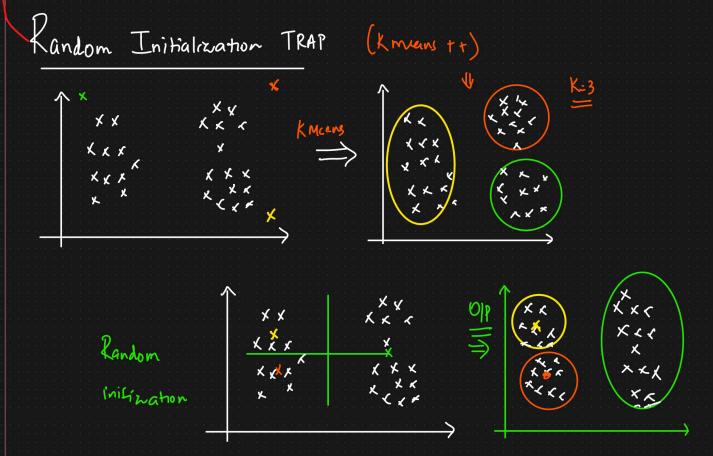




Eucledian dist = 
$$\sqrt{(2x-41)^2+(42-41)^2}$$







To avoid it:-

Use Kmeans + + Initialization Technique

- Now in this technique, we initialize all the centroids in such a way that at least it should be at max distance that it can.
- Centroid are initialized far away to each other.