K - Means :

Finding value of k: elbow method.

K with least WSS (within sum of squares)

K = 2

KOHLER.
IN POWER. SINCE 1920.
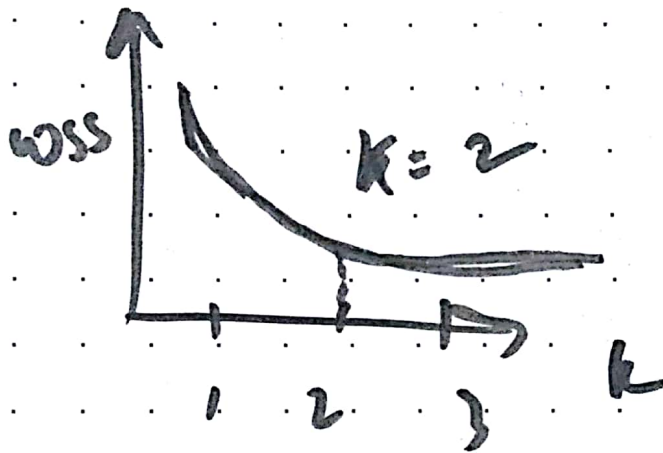
Date :

Mo Tu We Th Fr Sa Su

345
BE THE CHANGE

Q) big Societies are marked you need 2 branches of restraunt to serve all societies easily. Find location for branches.

Algorithm :

1) Pick k Random clusters centroid.

2) Points with lowest distances are reffered.

3) Take avg of assigned points.

$$c_i = \frac{1}{|s_i|} \sum_{z_i \in s_i} z_i$$

s_i : Set of points assigned to i^{th} cluster