Unsupervised <u>Learning</u> (No Target Variable)

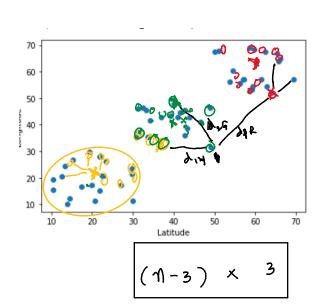
> clustering

Troup Observations Such that With in Same group
Observations are Similar (Homogenous)
Across groups different (Heterogenous)

→ K-Means ✓

K- no of clusters "K=5"

K

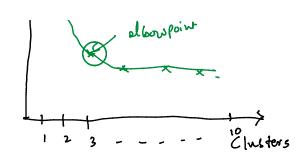


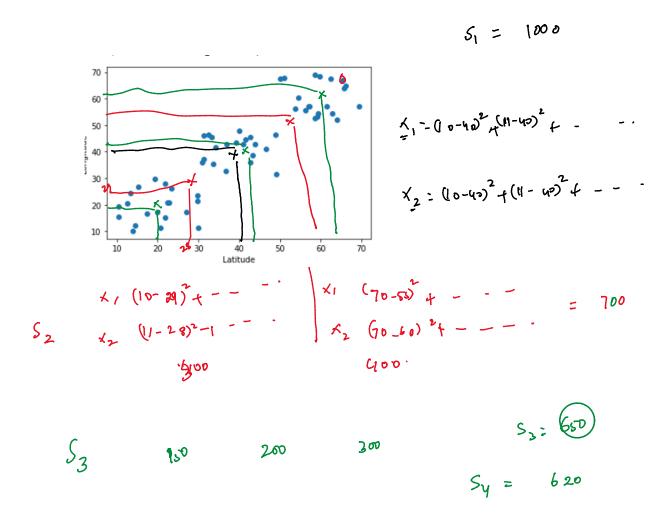
0

Eucledian du stance

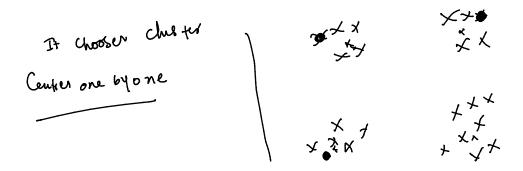
Elbon Meltor

Spree graph alborrépoint

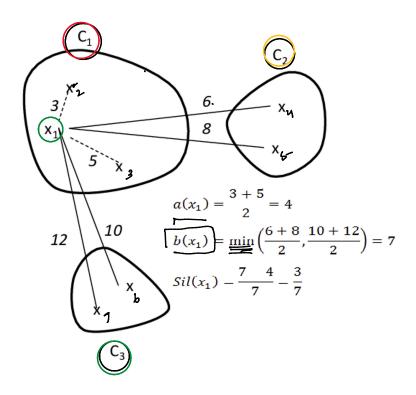




Initialization: (Kneans ++)







$$a(x) \rightarrow \{c,\}$$

$$a : \frac{3+5}{2} = 4.$$

$$m_{ij}\left(\frac{6+8}{2},\frac{10+12}{2}\right)=\frac{7}{2}$$

$$S_1 \frac{(b-c)}{ma(9,b)} = \frac{7-4}{7} = \left(\frac{3}{7}\right)$$

