ossh + running on labs computers

· K-means clustering
La notebook sklearn

Logistical stuff
grading details
data available on labs

using 'screen' - keeps programs running in background (nohup) - detach C-ad - reattach screen - D - R - hill (-a K

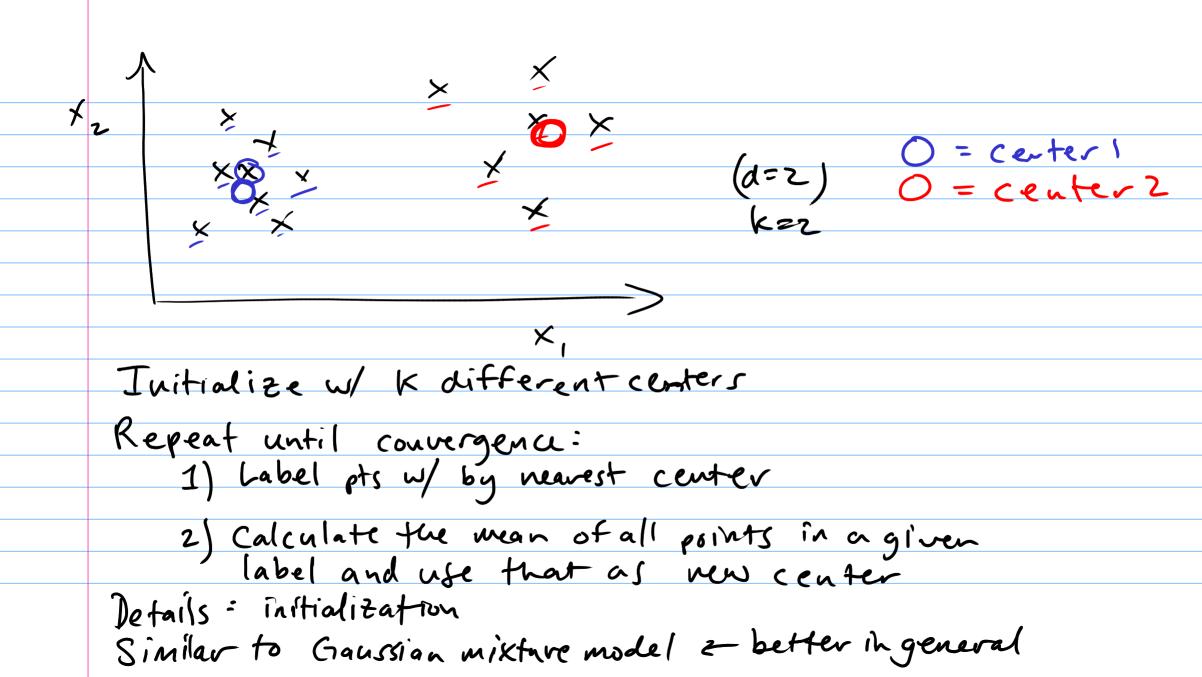
K-means (not k-NN)

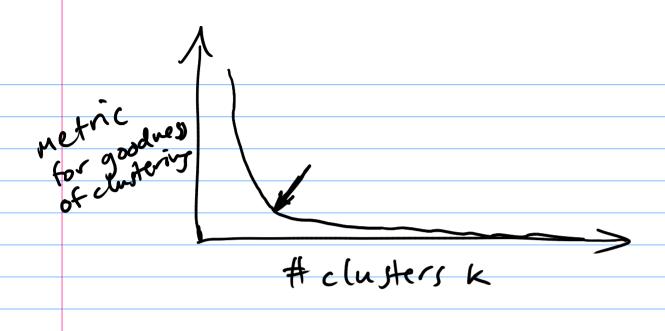
Chystering method: have a dataset

 $\times$  )  $\{\vec{x} : \in \mathbb{R}^d\}_{i=1}^n$ 

want to divide the vectors into sets, produce a label y:  $f \in \{1, ..., k\}$  one of k diff. chisters.

Diff from classification: no y labels to start with





metric = 
$$\sum_{i=1}^{n}$$
 (distance of pt i to cluster center)

often called the "distortion"

= error in distances from replacing each data pt with cluster center Project: Use linear model as baseline Ridge, Ridge CV Logistic, Logistic CV SVM

np. load +x+