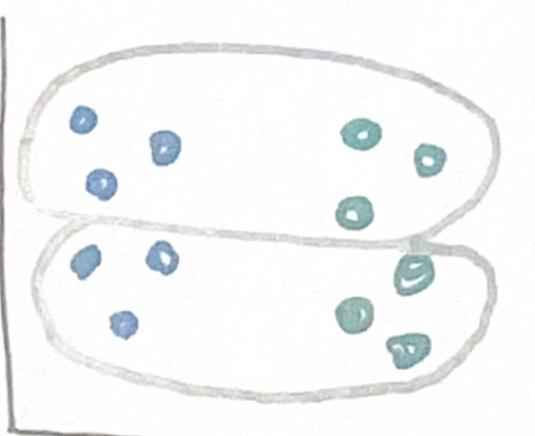
· K-Means

Algorienm

- 1) Randonly choose k data points as initial centralds
- 2) Assign each data point to the closest centraid
- 3) Recompute centraids
- 4) Do this (2:41) until convergence criterian is met
- # Time complexity: Octkn)
 #iterations > transfers } to fix is so small
 that this is considered
 Linear

Algorithm is sensitive to autiliers





Sensitive to initial seeds

Performs well on hyperspheres
but not on clusters with
no hyperspheres
Use hierarchical clustering 1