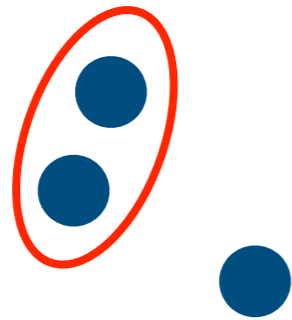# [320] Agglomorative Clustering
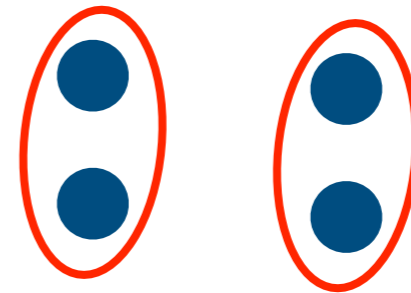
Strategy: Combine Nearby Points/Groups
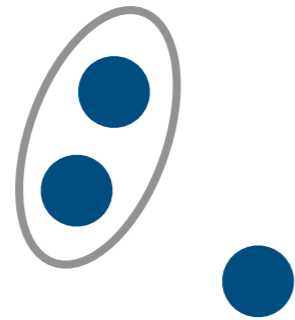# (and repeat!)

Strategy: Combine Nearby Points/Groups (and repeat!)

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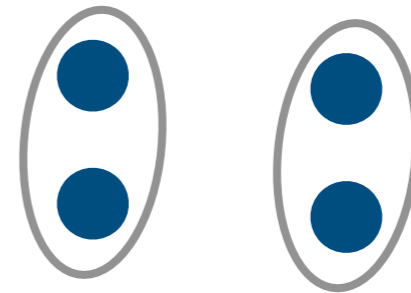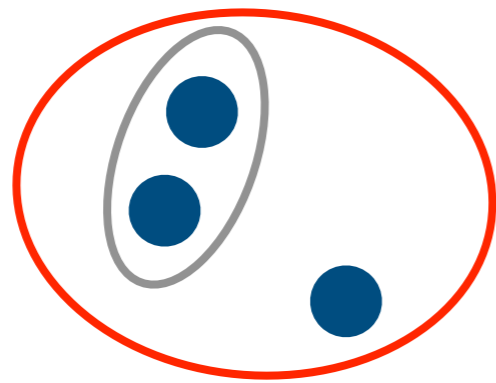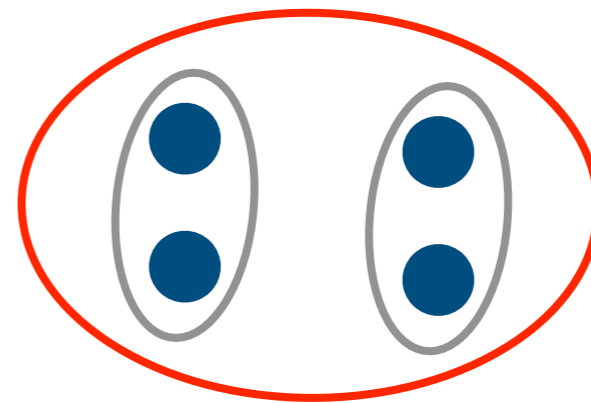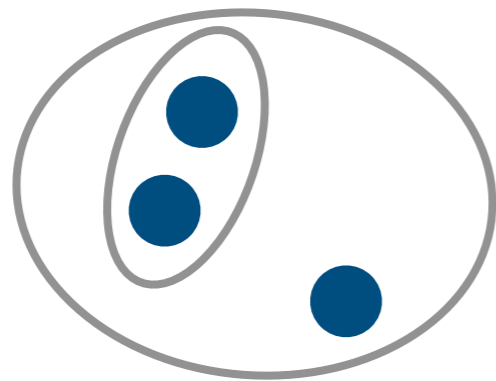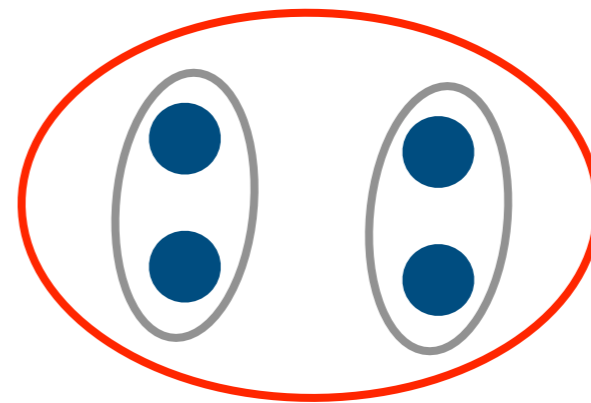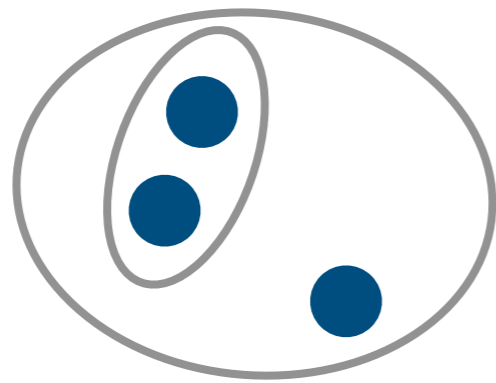
Strategy: Combine Nearby Points/Groups (and repeat!)

Strategy: Combine Nearby Points/Groups
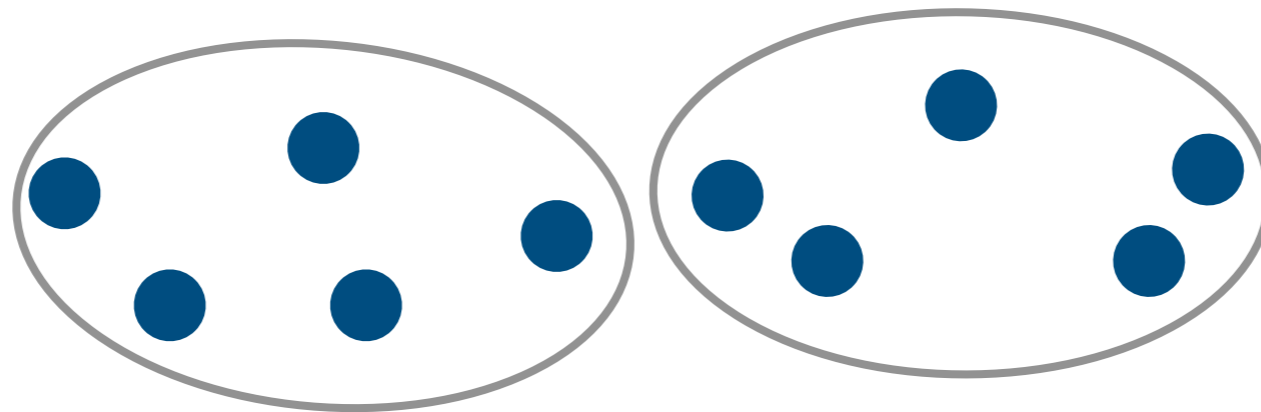
(and repeat!)

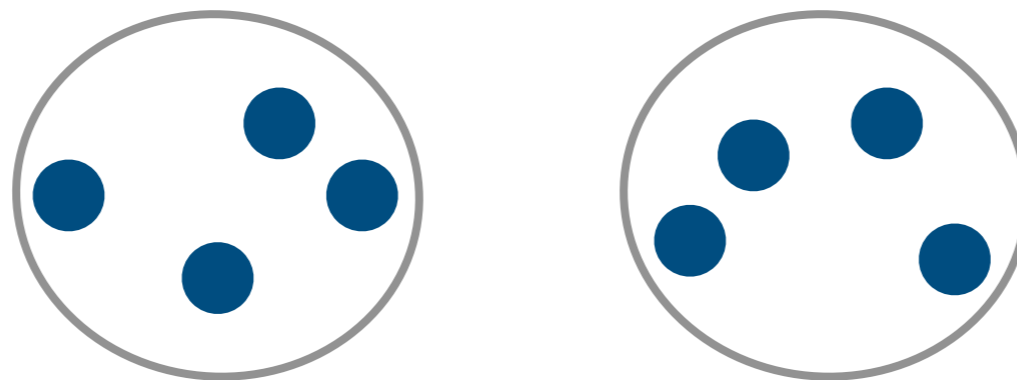# Configuration: what is "nearest"?

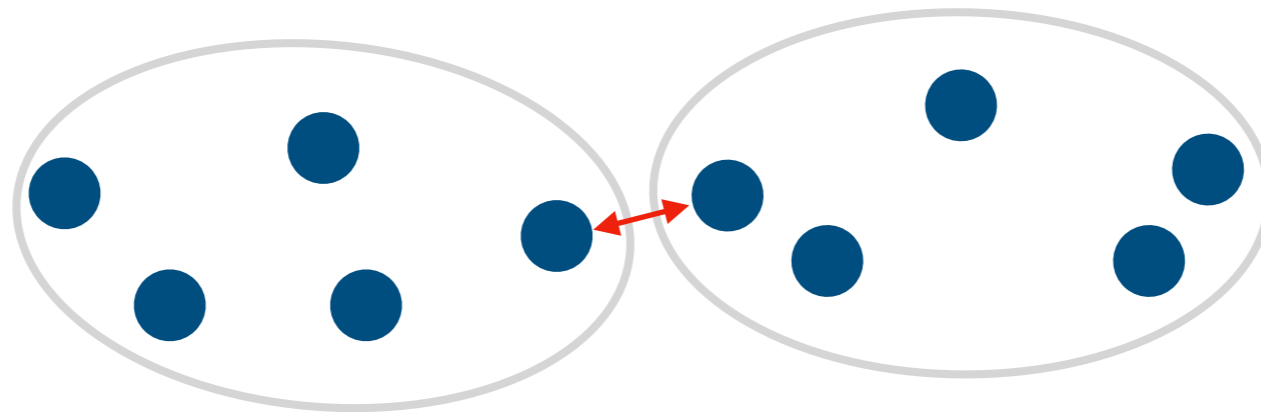option: `linkage`

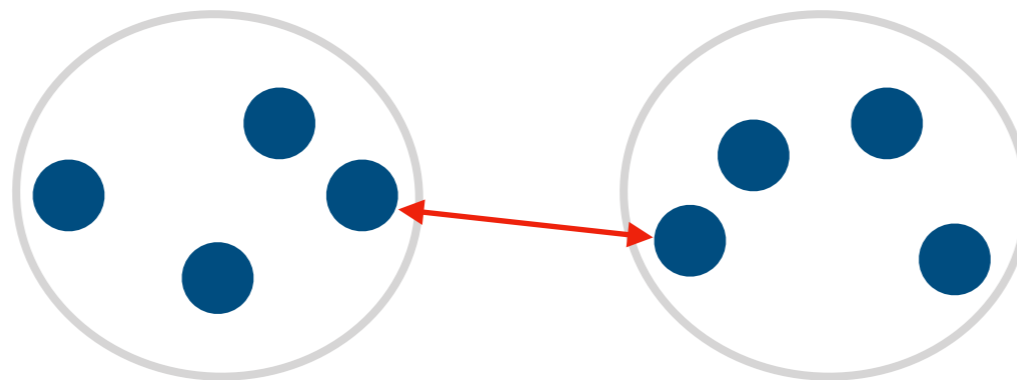# Configuration: what is "nearest"?

OR...

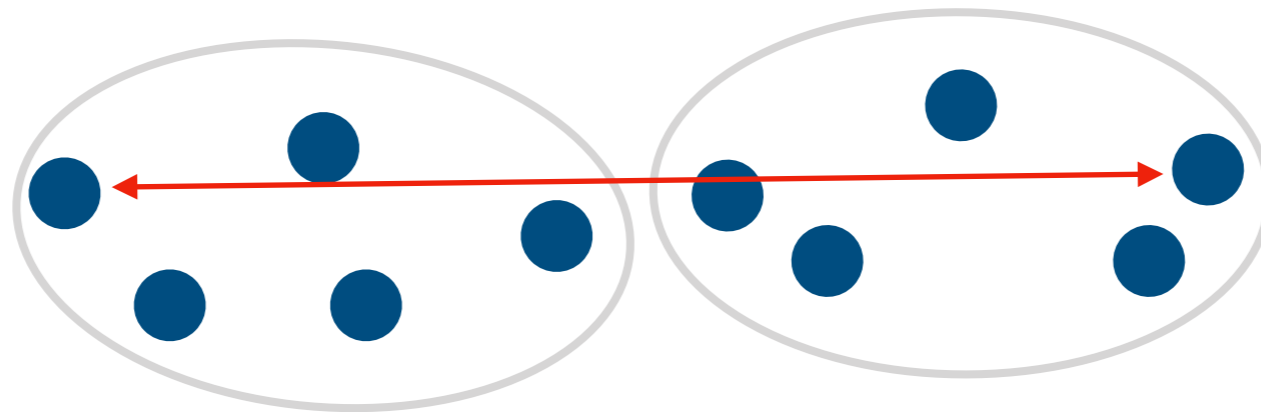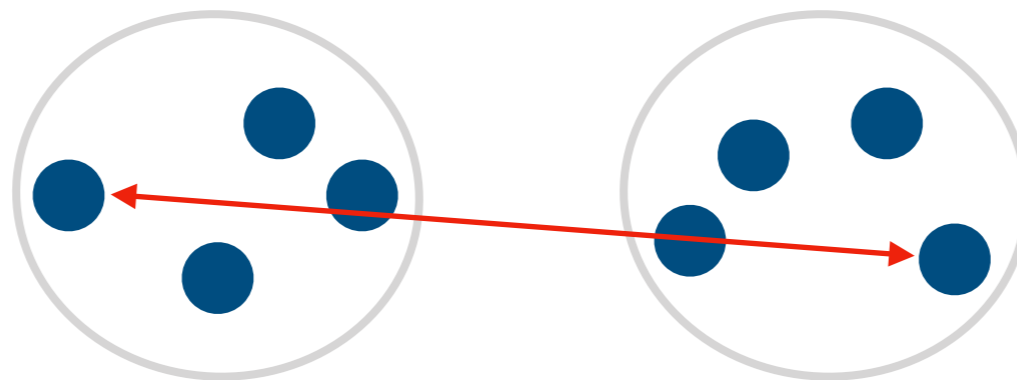# Configuration: what is "nearest"?

linkage="single"

OR...

Configuration: what is "nearest"?

linkage="complete"

OR...

Configuration: what is "nearest"?

linkage="????"

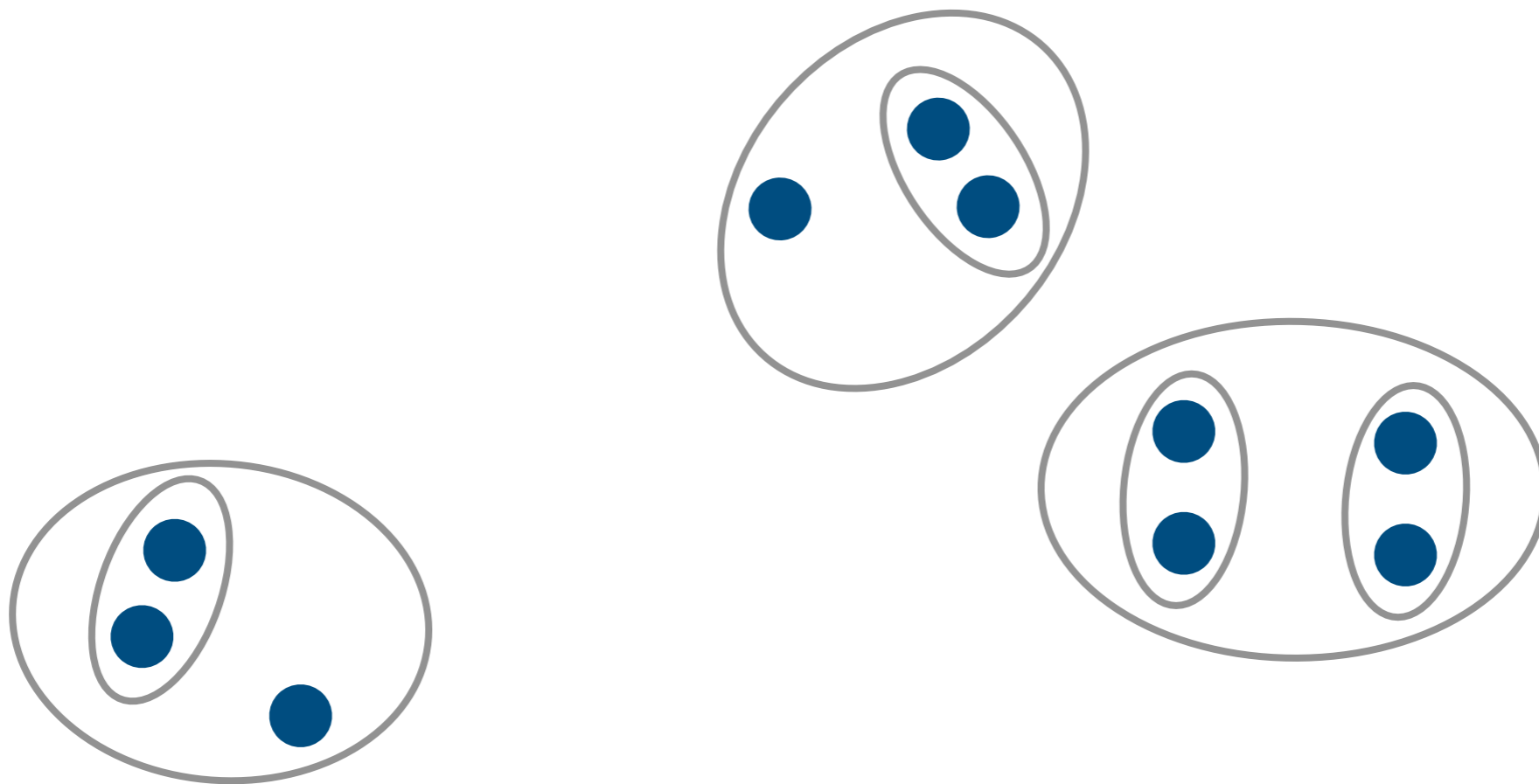From docs: https://scikit-learn.org/stable/modules/generated/sklearn.cluster.AgglomerativeClustering.html

- ward minimizes the variance of the clusters being merged.

- average uses the average of the distances of each observation of the two sets.

- complete or maximum linkage uses the maximum distances between all observations of the two sets.

- single uses the minimum of the distances between all observations of the two sets.

Configuration: when to stop?
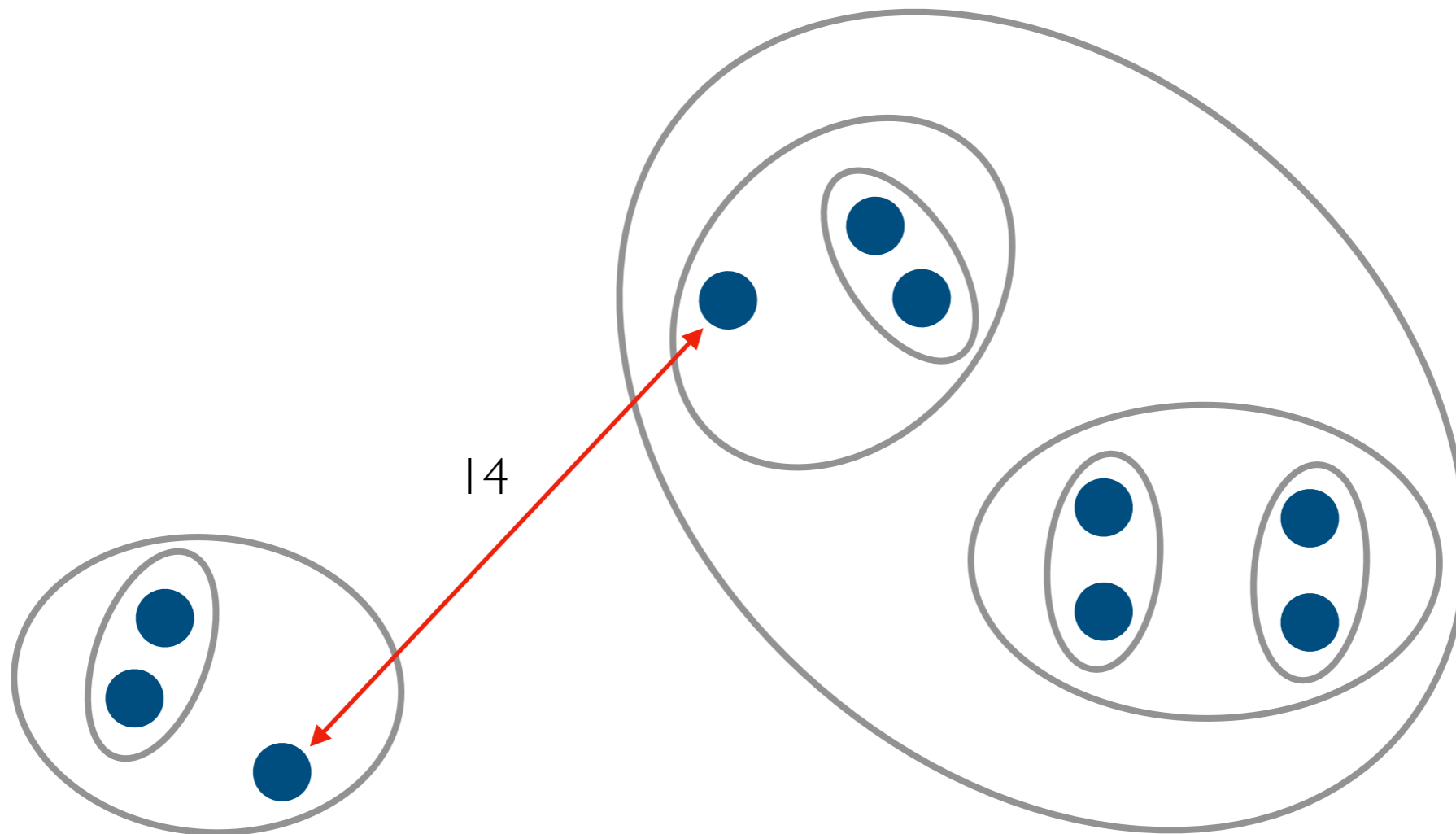
option: `n_clusters` or `distance_threshold`

Configuration: when to stop?

n_clusters=3

Configuration: when to stop?

distance_threshold=10

Configuration: when to stop?

distance_threshold=0