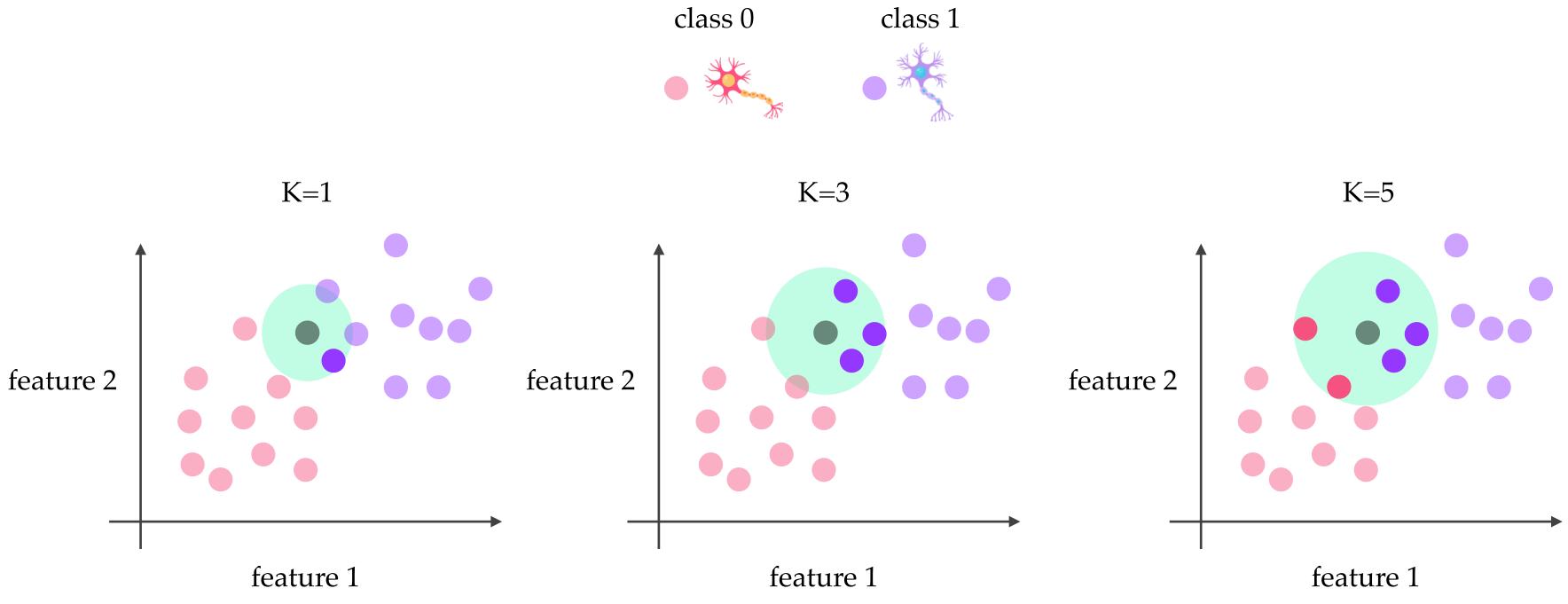


K Nearest Neighbors (k-NN)

Itthi Chatnuntawech







In these examples, the Euclidean distance is used



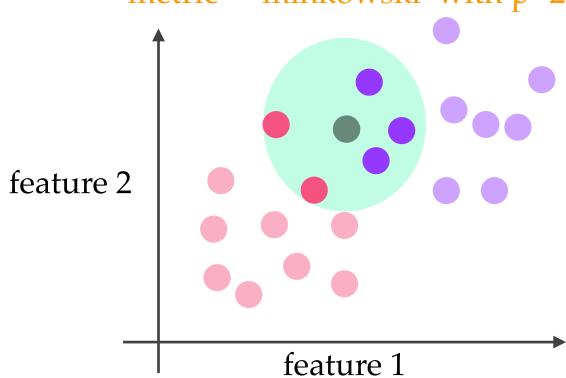


sklearn.neighbors.KNeighborsClassifier¶

class sklearn.neighbors.**KNeighborsClassifier**(n_neighbors=5, *, weights='uniform', algorithm='auto', leaf_size=30, p=2, metric='minkowski', metric_params=None, n_jobs=None)

Metric used to compute distances

K=5, weights = 'uniform'
metric = 'minkowski' with p=2



Algorithm used to (approx.) compute the nearest neighbors (e.g., k-d tree and ball tree).



Speaker: Itthi Chatnuntawech

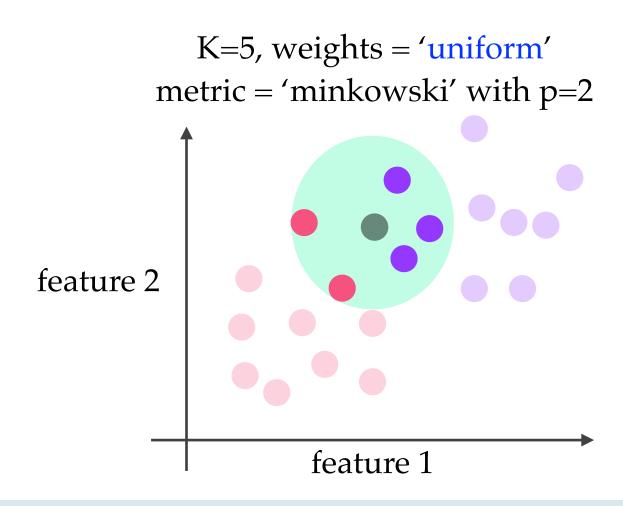
Module: Machine Learning



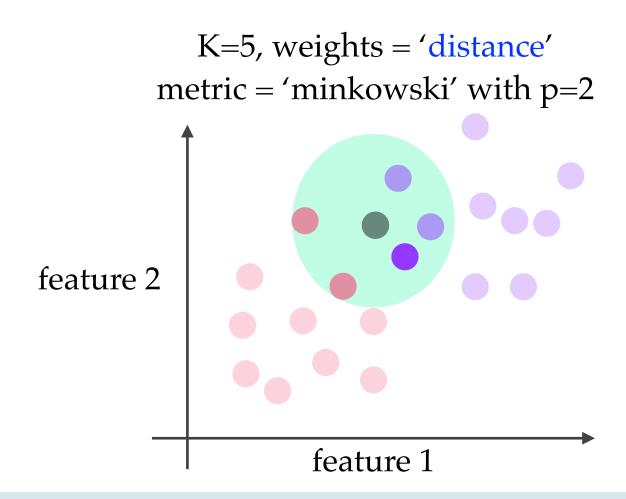
sklearn.neighbors.KNeighborsClassifier¶

class $sklearn.neighbors.KNeighborsClassifier(n_neighbors=5, *, weights='uniform', algorithm='auto', leaf_size=30, p=2, metric='minkowski', metric_params=None, n_jobs=None) [source]$

How the contribution from each neighbor is assigned

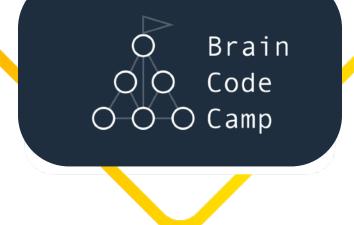


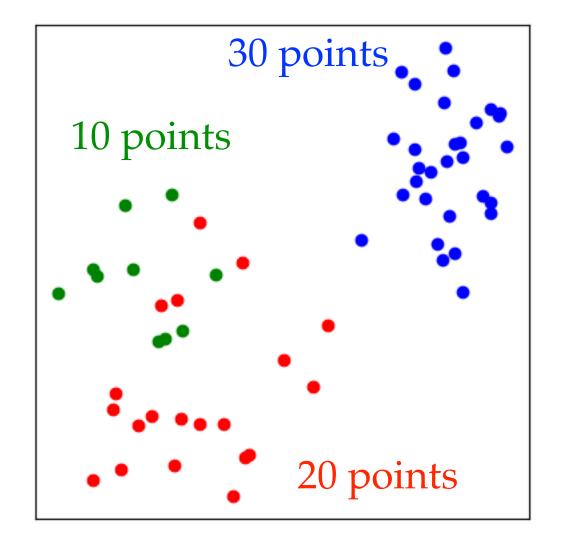
Speaker: Itthi Chatnuntawech



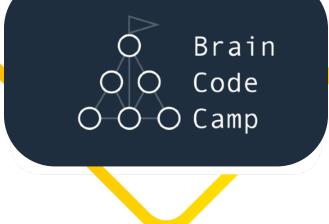
Module: Machine Learning

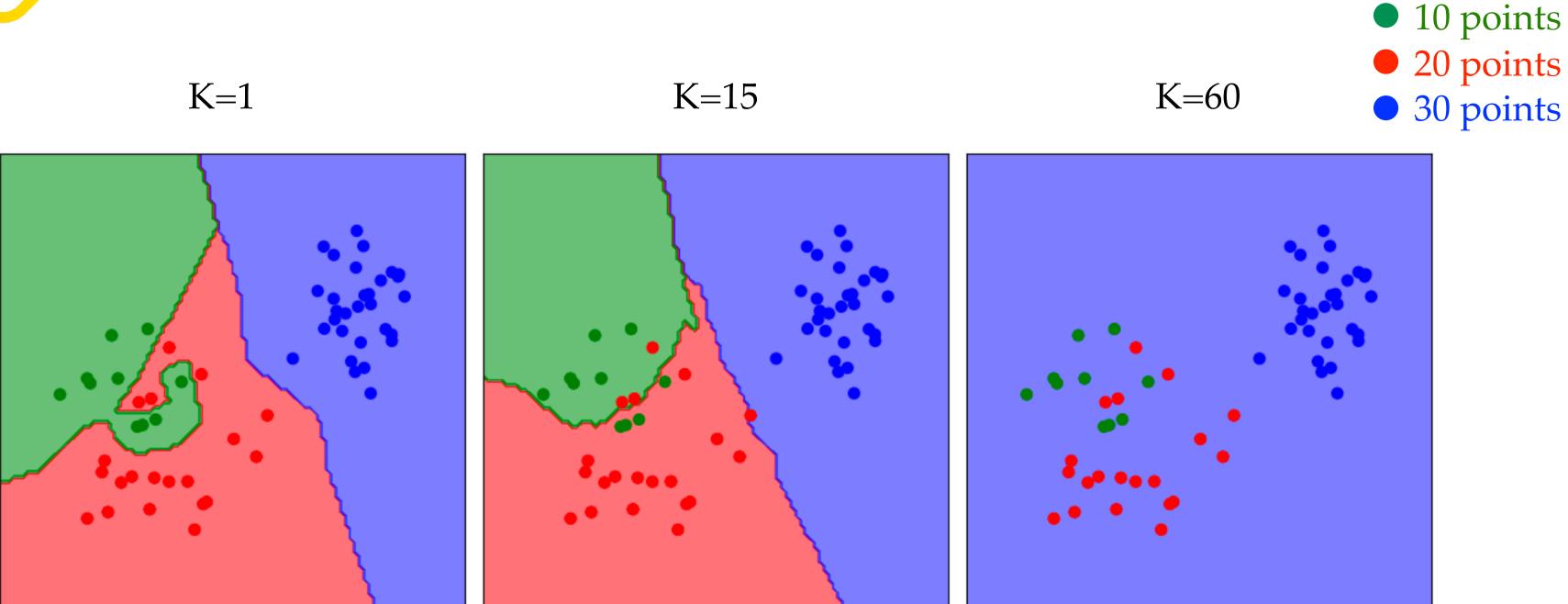
สร้างคน ชามพรมแดน











K controls the degree of smoothing

