

## Recitation 8: Nearest Neighbors, Drawing decision boundaries

LOrtiz (Orig. by KKoile)

Boundary lines are formed by the intersection of perpendicular bisectors of every pair of points. Using pairs of closest points in different classes generally gives a good enough approximation. To be sure about the boundaries, however, draw perpendicular bisectors between each pair of neighboring points to create a region for each point, then consolidate regions belonging to the same class (i.e., remove the boundaries separating points in the same class).



