

6.034 Recitation October 20: Nearest Neighbors, Drawing decision boundaries

Boundary lines are formed by the intersection of perpendicular bisectors of every pair of points. Using pairs of closest points in different classes gives a good enough approximation. (To be absolutely sure about the boundaries, one would 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. This technique is unnecessary for our purposes.)

