

## Drawing Decision Boundaries for Nearest Neighbors: Solution

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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).



