
Algorithm 2: Agglomerative hierarchical clustering

1. Begin with n observations and a measure of all the $n(n - 1)/2$ pairwise dissimilarities and treat each observations as its own cluster.
 2. for $i = n, n - 1, \dots, 2$: do
 1. Examine all pairwise inter-cluster dissimilarities among the i clusters and identify the pair of clusters that are the most similar.
 2. Fuse these 2 clusters. The dissimilarity between these two clusters indicates the height in the dendrogram at which the fusion should be placed.
 3. Compute the new pairwise inter-cluster dissimilarities among the $i - 1$ remaining clusters
- end
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