









- The root node of the dendrogram represents the whole data set, each leaf node is regarded as a data point.
- The intermediate nodes describe the extent to which the objects are proximal to each other.
- The height of the dendrogram expresses the distance between each pair of data points or clusters, or a data point and a cluster.
- The clustering results can be obtained by cutting the dendrogram at different levels

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DIANA (Divisive Analysis)

- For a data set with N objects, a divisive hierarchical algorithm would start by considering 2ⁿ⁻¹ – 1 possible divisions of the data into two nonempty subsets, which is computationally expensive even for small-scale data sets.
- Therefore, divisive clustering is not a common choice in practice.
- It is less likely to suffer from the accumulated erroneous decisions, which cannot be corrected by the successive process.

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