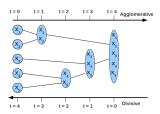
Hierarchical Clustering



Agglomerative (bottom-up) Clustering

- Start with each example in its own singleton cluster
- ② At each time-step, greedily merge 2 most similar clusters
- Stop when there is a single cluster of all examples, else go to 2

Divisive (top-down) Clustering

- Start with all examples in the same cluster
- At each time-step, remove the "outsiders" from the least cohesive cluster
- Stop when each example is in its own singleton cluster, else go to 2
- Agglomerative is more popular and simpler than divisive (but less accurarate)

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