

BIRCH: A Scalable and Flexible Clustering Method

- ❑ An integration of agglomerative clustering with other (flexible) clustering methods
 - ❑ Low-level micro-clustering
 - ❑ Exploring CP-feature and BIRCH tree structure
 - ❑ Preserving the inherent clustering structure of the data
 - ❑ Higher-level macro-clustering
 - ❑ Provide sufficient flexibility for integration with other clustering methods
- ❑ Impact to many other clustering methods and applications
- ❑ Concerns
 - ❑ Sensitive to insertion order of data points
 - ❑ Due to the fixed size of leaf nodes, clusters may not be so natural
 - ❑ Clusters tend to be spherical given the radius and diameter measures