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Different Aspects of Cluster Validation				
1.	Determining the <b>clustering tendency</b> of a set of data, i.e., distinguishing whether non-random structure actually exists in the data			
2.	Comparing the results of a cluster analysis to externally known results, e.g., to externally given class labels			
3.	Evaluating how well the results of a cluster analysis fit the data <i>without</i> reference to external information - Use only the data			
4.	Comparing the results of two different sets of cluster analyses to determine which is better			
5.	Determining the 'correct' number of clusters			
	For 2, 3, and 4, we can further distinguish whether we want to evaluate the entire clustering or just individual clusters.			











































