chapter-clustering-validation

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Need for validation of clusters

Clustering algorithms of designed such that they comeout with a given number of clusters even if the underlying data is devoid of any clusters. We will see a criterion to assess the clusters.

Within-groups sum of squared distances (WSS):

$$WSS_k = \sum_{l=1}^{k} \sum_{x_i \in C_l} d^2(x_i, \overline{x_l})$$