Clustering Lab-2

In continuation of lab task-1

1. Repeat steps-6-12 (tasks-1) for Hierarchical clustering (distance matrix- single linkage)-A.
2. Observe the dendogram
3. Find out suitable number of clusters
4. Observe the cluster details as in tasks-1 (within SSE, total SSE, between SSE, etc)
5. Repeat steps-1-4 for Hierarchical clustering (distance matrix- complete linkage)-B.
6. Repeat steps-1-4 for Hierarchical clustering (distance matrix- avg linkage)-C.
7. Observe the quality of cluster from A, B and C and send the summary to me as:

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|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Parameter | K-means (k=5) | A | B | C |
| # clusters |  |  |  |  |
| Within SSE |  |  |  |  |
| Total SSE |  |  |  |  |
| Between SSE |  |  |  |  |