DETAILS: SERIAL VERSION OF THE CODE

DATASET: AML AND ALL DATASET WITH 7129 SAMPLES AND 34 GENES

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Number of Clusters | Distance Metric | Silhouette Score | Time in Seconds | Clock Cycles |
| K=2 | Manhattan | 0.000000 | 7.023547e-01 | 359605628 |
| K=3 | Manhattan | 0.000040 | 1.048616e+00 | 536891300 |
| K=4 | Manhattan | 0.000020 | 1.339992e+00 | 686076081 |
| K=6 | Manhattan | -0.000026 | 2.042199e+00 | 1045605867 |
| K=8 | Manhattan | -0.000013 | 5.976857e+00 | 3060150619 |
| K=10 | Manhattan | -0.000010 | 1.060633e+01 | 5430441505 |
| K=2 | Euclidean | 0.000070 | 8.995259e-01 | 460557232 |
| K=3 | Euclidean | 0.000151 | 1.899358e+00 | 972471428 |
| K=4 | Euclidean | 0.000080 | 3.234661e+00 | 1656146548 |
| K=6 | Euclidean | 0.000135 | 7.517639e+00 | 3849030998 |
| K=8 | Euclidean | 0.000115 | 1.089881e+01 | 5580189691 |
| K=10 | Euclidean | 0.000037 | 1.590660e+01 | 8144181854 |

DETAILS: SERIAL VERSION OF THE CODE

DATASET: A RICE GENE EXPRESSION MATRIX DATASET WITH 10K SAMPLES AND 35 GENES

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Number of Clusters | Distance Metric | Silhouette Score | Time in Seconds | Clock Cycles |
| K=2 | Manhattan | 0.000692 | 7.907580e+00 | 4048681154 |
| K=3 | Manhattan | 0.000615 | 7.910591e+00 | 4050222466 |
| K=4 | Manhattan | 0.000543 | 7.919126e+00 | 4054592170 |
| K=6 | Manhattan | 0.000503 | 7.926267e+00 | 4058248799 |
| K=8 | Manhattan | 0.000412 | 7.925325e+00 | 4057766394 |
| K=10 | Manhattan | 0.000386 | 7.947534e+00 | 4069137395 |
| K=2 | Euclidean | 0.000548 | 1.230102e+00 | 629812151 |
| K=3 | Euclidean | 0.000434 | 1.812890e+00 | 928199576 |
| K=4 | Euclidean | 0.000461 | 2.432752e+00 | 1245568980 |
| K=6 | Euclidean | 0.000378 | 3.426821e+00 | 1754532043 |
| K=8 | Euclidean | 0.000359 | 4.591144e+00 | 2350665454 |
| K=10 | Euclidean | 0.000370 | 5.763152e+00 | 2950733738 |