| Record | Report |
|---|---|

1

# K-Means Cluster Assessment Report

2

*Summary Statistics*

3

Adjusted Rand Indices:

4

|  | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|---|---|
| Minimum | 0.484096 | 0.562634 | 0.500019 | 0.452307 | 0.461957 | 0.527878 | 0.503663 |
| 1st Quartile | 0.75508 | 0.732851 | 0.680442 | 0.584186 | 0.621451 | 0.610632 | 0.670717 |
| Median | 0.874264 | 0.812816 | 0.752875 | 0.67457 | 0.694819 | 0.719216 | 0.757324 |
| Mean | 0.830067 | 0.806967 | 0.748302 | 0.680591 | 0.706577 | 0.709496 | 0.731815 |
| 3rd Quartile | 0.923699 | 0.899835 | 0.810056 | 0.792835 | 0.790916 | 0.783845 | 0.79573 |
| Maximum | 0.959176 | 0.962492 | 0.956926 | 0.93555 | 0.93718 | 0.916861 | 0.86462 |

5

Calinski-Harabasz Indices:

6

|  | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|---|---|
| Minimum | 560.261 | 579.6345 | 584.0809 | 561.9494 | 545.6654 | 525.9795 | 540.4634 |
| 1st Quartile | 645.7004 | 635.0165 | 605.7819 | 599.7302 | 597.5321 | 586.3369 | 565.4801 |
| Median | 648.0204 | 638.201 | 633.0007 | 620.405 | 608.5008 | 595.245 | 586.6796 |
| Mean | 639.2799 | 634.6727 | 624.9626 | 612.3778 | 605.5159 | 596.4466 | 586.907 |
| 3rd Quartile | 650.6622 | 640.8962 | 645.4945 | 627.0341 | 617.0958 | 608.5054 | 605.6199 |
| Maximum | 653.2532 | 644.5861 | 649.949 | 638.9828 | 636.2076 | 633.3871 | 623.8388 |

7

*Plots*

8



Adjusted Rand Indices



Calinski-Harabasz Indices