|                            | 20% CS    |           |              |       |         |         |       |         |
|----------------------------|-----------|-----------|--------------|-------|---------|---------|-------|---------|
| PCCC<br>Dataset            | PCCC-N2-S | PCCC-N5-S | PCCC-N2-S-RD | COPKM | CSC     | DILS    | LCC   | KMEANS  |
| n500- <b>449.7</b> k2      | 449.7     | 449.7     | 449.7        | 449.7 | 449.7   | 449.7   | 449.7 | 448.6   |
| n500- <b>34.4</b> k5       | 34.4      | 34.4      | 34.4         | 34.4  | 97.5    | 106.5   | 34.4  | 30.9    |
| n500- <b>33.5</b> k10      | 33.5      | 33.5      | 33.5         | 34.2  | 840.5   | 350.3   | 42.8  | 31.6    |
| n500- 38.6<br>k20          | 38.4      | 38.6      | 38.6         | _     | 886.8   | 628.2   | 50.5  | 29.8    |
| n500- 19.3<br>k50          | 20.0      | 19.3      | 18.9         | 24.2  | 804.3   | 660.8   | 20.7  | 13.3    |
| n500- 10.2<br>k100         | 10.0      | 10.2      | 9.9          | 12.1  | 647.1   | 579.7   | 11.7  | 6.9     |
| n1000- <b>911.7</b><br>k2  | 911.7     | 911.7     | 911.7        | 911.7 | 911.7   | 911.7   | _     | 910.7   |
| n1000- <b>69.6</b> k5      | 69.6      | 69.6      | 69.6         | 69.6  | 87.5    | 541.8   | 69.6  | 62.8    |
| n1000- <b>66.7</b> k10     | 66.7      | 66.7      | 66.7         | 66.7  | 988.0   | 1,283.5 | 69.0  | 71.2    |
| n1000- 80.5<br>k20         | 79.3      | 80.5      | 80.5         | _     | 1,861.8 | 1,758.2 | 122.4 | 63.1    |
| n1000- 51.6<br>k50         | 47.2      | 49.4      | 47.9         | _     | 1,702.9 | 1,643.1 | 56.1  | 29.7    |
| n10004,663.1<br>k100       | 28.5      | 28.1      | 28.2         | 35.5  | 1,648.8 | 1,559.7 | 32.2  | 15.8    |
| n200 <b>0-,770.4</b><br>k2 | 1,770.4   | 1,770.4   | 1,770.4      | _     | 1,770.4 | 1,770.4 | _     | 1,763.0 |
| n2000- <b>140.7</b><br>k5  | 140.7     | 140.7     | 140.7        | 140.7 | 179.6   | 2,574.0 | _     | 124.4   |
| n2000- <b>131.5</b><br>k10 | 131.5     | 131.5     | 131.5        | 131.5 | 374.3   | 3,611.9 | 131.5 | 123.2   |
| n2000- <b>162.7</b><br>k20 | 184.0     | 162.7     | 162.7        | 163.5 | 3,227.7 | 3,839.5 | 324.6 | 126.4   |
| n2000- <b>108.7</b><br>k50 | 113.2     | 108.7     | 109.1        | _     | 3,182.2 | 3,769.0 | 161.2 | 63.9    |
| n2000- 105.5<br>k100       | 82.5      | 84.0      | 85.0         | 129.2 | 3,335.9 | 3,605.1 | 90.5  | 35.7    |
| n500 <b>4,493.8</b><br>k2  | 4,493.8   | 4,493.8   | 4,493.8      | _     | 4,493.8 | 7,662.3 | _     | 4,485.9 |
| n5000- <b>353.2</b><br>k5  | 353.2     | 353.2     | 353.2        | _     | 353.2   | 9,753.7 | _     | 314.3   |
| n5000- <b>336.3</b><br>k10 | 336.3     | 336.3     | 336.3        | _     | 1,065.5 | 9,906.4 | _     | 312.8   |
| n5000- <b>414.5</b><br>k20 | 452.3     | 414.5     | 414.5        | _     | 3,592.4 | 9,899.8 | _     | 303.4   |
| n5000- <b>291.2</b><br>k50 | 298.4     | 291.2     | 291.2        | 296.6 | 8,934.8 | 9,841.6 | _     | 163.3   |
| n5000- 298.6<br>k100       | 267.2     | 276.8     | 280.0        | _     | 8,732.7 | 9,742.5 | _     | 95.0    |
| Mean 501.5                 | 433.9     | 431.5     | 1 431.6      |       | 2,090.4 | 3,602.1 | _     | 401.1   |