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| --- | --- | --- | --- | --- | --- | --- |
| **LSH** | | | | | | |
| Number of Docs | k | Rows per band | Number of Hash Functions | Run Time (s) | Avg. Similarity | Randomly Chosen Docs |
| 4000 | 3 | 3 | 3000 | 174 | 0.338843165 | 9 |
| 5000 | 3 | 3 | 3000 | 175 | 0.348370511 | 7 |
| 6000 | 3 | 3 | 3000 | X | X | X |
| 10000 | 3 | 3 | 3000 | X | X | X |
| 5000 | 1 | 3 | 3000 | 196 | 0.484654308 | 1 |
| 5000 | 10 | 3 | 3000 | 360 | 0.221923907 | 111 |
| 5000 | 20 | 3 | 3000 | 253 | 0.167212209 | 360 |
| 5000 | 50 | 3 | 3000 | 324 | 0.106207931 | 1448 |
| 5000 | 3 | 10 | 3000 | 67 | 0.233336922 | 4287 |
| 5000 | 3 | 30 | 3000 | 66 | 0.158371409 | 4651 |
| 5000 | 3 | 100 | 3000 | 65 | 0.102505928 | 4807 |
| 5000 | 3 | 150 | 3000 | 73 | 0.091046962 | 4845 |
| 1000 | 3 | 3 | 50 | 58 | [0.283155409](../../../../callto/0.2831554089386135,%201) | 1 |
| 1000 | 3 | 3 | 100 | 9 | [0.281654585](../../../../callto/0.2816545854788969) | 1 |
| 1000 | 3 | 3 | 1000 | 5 | [0.26987061](../../../../callto/0.2698706101322639,%2039) | 39 |
| 1000 | 3 | 3 | 5000 | 2 | [0.2718024](../../../../callto/0.2718023998009496,%2019) | 19 |

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| --- | --- | --- | --- | --- | --- |
| **Brute Force** | | | | | |
| Number of Docs | k | Rows per band | Number of Hash Functions | Run Time (s) | Avg. Similarity |
| 4000 | 3 | 3 | 3000 | 253 | 0.341883442 |
| 5000 | 3 | 3 | 3000 | 282 | 0.350969815 |
| 8000 | 3 | 3 | 3000 | 1555 | 0.342379851 |
| 10000 | 3 | 3 | 3000 | 1430 | 0.349453012 |
| 5000 | 1 | 3 | 3000 | 379 | 0.485984779 |
| 5000 | 10 | 3 | 3000 | 422 | 0.227875803 |
| 5000 | 20 | 3 | 3000 | 523 | 0.176488695 |
| 5000 | 50 | 3 | 3000 | 594 | 0.12221474 |
| 5000 | 3 | 10 | 3000 | 600 | 0.350969815 |
| 5000 | 3 | 30 | 3000 | 619 | 0.350969815 |
| 5000 | 3 | 100 | 3000 | 639 | 0.350969815 |
| 5000 | 3 | 150 | 3000 | 757 | 0.350969815 |
| 5000 | 3 | 3 | 50 | 744 | 0.350969815 |
| 5000 | 3 | 3 | 100 | 751 | 0.350969815 |
| 5000 | 3 | 3 | 1000 | 760 | 0.350969815 |
| 5000 | 3 | 3 | 5000 | 758 | 0.350969815 |