Execution Times Comparison

|  |  |  |  |
| --- | --- | --- | --- |
| Size | MapReduce Time (s) | PySpark Time (s) | Kafka Time (s) |
| 3.71GB | 36.05 | 14.43 | 21.25842 |
| 1.97GB | 26.089 | 20.93 | 16.714253 |
| 1.35GB | 14.898 | 4.816 | 12.98593 |
| 872.27MB | 8.917 | 8.569 | 10.684753 |
| 2.15GB | 21.933 | 10.68 | 16.729125 |
| 3.24GB | 24.012 | 7.36 | 18.447818 |
| 1.1GB | 10.886 | 6.29 | 11.878018 |
| 3.22GB | 10.863 | 7.84 | 19.842694 |
| 622.28MB | 7.772 | 6.47 | 9.704924 |
| 53.86MB | 2.79 | 4.55 | 6.294096 |
| 1.29GB | 16.754 | 4.98 | 14.83541 |
| 73.15MB | 2.78 | 4.6 | 6.651922 |
| 1.73GB | 16.827 | 5.03 | 15.705313 |
| 366.98MB | 7.054 | 4.28 | 8.617879 |
| 956.22MB | 9.662 | 5.73 | 11.913935 |
| 2.42GB | 22.866 | 7.8 | 17.695969 |
| 3.67GB | 26.991 | 16.02 | 21.942309 |
| 1.24GB | 11.858 | 4.22 | 11.288502 |
| 1.06GB | 10.741 | 4.47 | 11.347306 |
| 3.65GB | 27.916 | 15.75 | 22.404224 |
| 1.23GB | 11.882 | 4.54 | 10.986591 |
| 1.57GB | 16.966 | 8.84 | 14.017926 |
| 2.01GB | 21.942 | 12.42 | 15.757647 |
| 1.96GB | 20.882 | 8.99 | 14.323064 |
| 1.2GB | 14.776 | 9.17 | 10.338513 |
| 4.2GB | 39.14 | 24.07 | 27.553845 |
| 1.38GB | 19.966 | 8.4 | 14.658234 |