ML-Based Accuracy Comparison by Data Size

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| --- | --- | --- | --- | --- |
| Category | Size | MapReduce Accuracy (%) | PySpark Accuracy (%) | Kafka Accuracy (%) |
| Digital software | 53.86MB | 70.6 | 74.6414 | 73.59 |
| Digital video games | 73.15MB | 74.68 | 76.3639 | 74.93 |
| Furniture | 366.98MB | 79.46 | 79.5078 | 78.47 |
| Digital Music purchase | 622.28MB | 89.06 | 89.2263 | 87.51 |
| Baby | 872.27MB | 80.01 | 79.9739 | 78.22 |
| Grocery | 956.22MB | 81.57 | 81.9758 | 79.67 |
| Outdoors | 1.06GB | 81.52 | 81.6119 | 80.92 |
| Camera | 1.1GB | 79.69 | 79.774 | 78.45 |
| Video games | 1.2GB | 78.82 | 79.4661 | 76.81 |
| Pet products | 1.23GB | 79.15 | 79.1496 | 78.15 |
| Office products | 1.24GB | 78.08 | 77.6778 | 75.2 |
| Digital Video Download | 1.29GB | 81.75 | 82.256 | 82.07 |
| Automotive | 1.35GB | 80.73 | 80.82 | 79.68 |
| Mobile Apps | 1.38GB | 78.17 | 78.2387 | 77.88 |
| Shoes | 1.57GB | 81.85 | 81.9355 | 81.15 |
| Electronics | 1.73GB | 78.04 | 78.1406 | 77.02 |
| Toys | 1.96GB | 80.49 | 80.6824 | 78.86 |
| Apparel | 1.97GB | 79.91 | 79.9739 | 80.03 |
| Sports | 2.01GB | 81.08 | 80.1639 | 80.07 |
| Beauty | 2.15GB | 79.65 | 80.9382 | 78.81 |
| Health personal care | 2.42GB | 79.23 | 79.3763 | 78.2 |
| Digital Ebook Purchase | 3.22GB | 82.74 | 83.0694 | 80.53 |
| Books | 3.24GB | 81.52 | 81.05 | 81.62 |
| PC | 3.65GB | 78.47 | 78.8778 | 77.38 |
| Music | 3.67GB | 86.0 | 85.8157 | 84.77 |
| Video DVD | 3.71GB | 83.3 | 83.7187 | 79.42 |
| Wireless | 4.2GB | 75.78 | 75.5395 | 75.82 |

A graph with red green and blue lines

AI-generated content may be incorrect.