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| --- | --- | --- | --- | --- | --- | --- |
| Sampling Strategy | Size of the dataset | | Classification Accuracy | | Time to execute | |
| No Sampling | 1,000,000 records | | 66% | | 10.96 seconds | |
| Random Sampling | 100,000 records | 300,000 records | 38% | 60% | 0.72 seconds | 2.24 seconds |
| Reservoir Sampling | 100,000 records | 300,000 records | 56% | 59% | 0.6 seconds | 2.95 seconds |
| Stratified Sampling | 100,000 records | 300,000 records | 56% | 57% | 0.74 seconds | 2.80 seconds |