EMNIST - SVM

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Dataset** | **C value** |  | **Dim.train** | **Dim.test** | **Time.fit** | **Time.predict** | **Accuracy** |
| Mnist | 1 | 0.001 | 60000 | 10000 | 16min | 4min | 95.31% |
| Digits | 1 | 0.001 | 240000 | 40000 | 2h 39min | 40min | 96.42% |
| Letters | 1 | 0.001 | 124800 | 20800 | 2h 10min | 42min | 80.33% |
|  |  |  |  |  |  |  |  |
| Balanced | 1 | 0.001 | 112800 | 18800 | 1h 53min | 41min | 74.63% |
| Balanced | 5 | 0.001 | 112800 | 18800 | 1h 14min | 35min | 78.30% |
| Balanced | 50 | 0.001 | 112800 | 18800 | 57min | 31min | 82.16% |
| Balanced | 75 | 0.001 | 112800 | 18800 | 59min | 32min | 82.57% |
| Balanced | 100 | 0.001 | 112800 | 18800 | 58min | 30min | 82.87% |
| Balanced | 125 | 0.001 | 112800 | 18800 | 1h | 30min | 82.99% |
| Balanced | 150 | 0.001 | 112800 | 18800 | 1h | 30min | 83.03% |
| Balanced | 125 | 0.01 | 112800 | 18800 | 1h 10min | 34min | 84.57% |
| Balanced | 125 | 0.015 | 112800 | 18800 | 1h 44min | 36min | 85% |
| Balanced | 125 | 0.02 | 112800 | 18800 | 1h 44min | 36min | 85.14% |
| Balanced | 125 | 0.025 | 112800 | 18800 | 2h 5min | 39min | 85.19% |