# Summary of Accuracies

|  |  |  |  |
| --- | --- | --- | --- |
| **Data** | **No. of Epochs** | **Accuracy (%)** | **Model** |
| n1 | 1146 | 78.5 | Linear SVM |
| n2 | 999 | 75.9 | Linear SVM |
| n3 | 1000 | 79.9 | Median Gaussian SVM |
| n4 | 1010 | 55.4 | Ensemble Bagged Trees |
| n5 | 1007 | 78.5 | Linear SVM |
| n8 | 1000 | 74.8 | Ensemble Bagged Trees |
| n10 | 859 | 88.2 | Quadratic SVM |
| n11 | 1052 | 80.1 | Linear Discriminant |
| n16 | 1020 | 79.7 | Ensemble Bagged Trees |
| **All** | **9093** | **73.5** | **Ensemble Bagged Trees** |

### Confusion matrix of combined data where labels 0, 1, 2, 3, 4 and 5 denotes W, S1, S2, S3, S4 and REM respectively.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **True/Predicted** | **0** | **1** | **2** | **3** | **4** | **5** |
| **0** | 592 | 37 | 113 | 2 | 4 | 81 |
| **1** | 90 | 75 | 88 | 1 | 1 | 102 |
| **2** | 80 | 28 | 2905 | 99 | 57 | 280 |
| **3** | 9 | - | 476 | 200 | 141 | 10 |
| **4** | 8 | - | 150 | 70 | 1320 | 10 |
| **5** | 68 | 24 | 373 | 4 | 5 | 1590 |