One-Second Epoch Size Confusion Matrix Results with 5 features Selection.

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| **Feature Name** | **Classes Name** | **SVM** |
| **Predicted Class** |
| FFT | Actual Class | Sch | 11912 | 798 |
| Healthy | 1301 | 12980 |
| ApEn | Actual Class | Sch | 10678 | 1982 |
| Healthy | 5611 | 11041 |
| ApEn+ Band-pass | Actual Class | Sch | 10140 | 1772 |
| Healthy | 4761 | 10131 |
| Shannon Entropy+ Band-pass | Actual Class | Sch | 12511 | 781 |
| Healthy | 5712 | 4123 |
| Log Energy Entropy+ Band-pass | Actual Class | Sch | 11980 | 120 |
| Healthy | 411 | 11252 |
| Kurtosis+ Band-pass | Actual Class | Sch | 9034 | 1882 |
| Healthy | 4931 | 5113 |
| **Feature Name** | **Classes Name** | **KNN** |
| **Predicted Class** |
| FFT | Actual Class | Sch | 11982 | 673 |
| Healthy | 1829 | 12981 |
| ApEn | Actual Class | Sch | 11001 | 2981 |
| Healthy | 4981 | 10134 |
| ApEn+ Band-pass | Actual Class | Sch | 11291 | 1492 |
| Healthy | 4839 | 2038 |
| Shannon Entropy+ Band-pass | Actual Class | Sch | 12678 | 451 |
| Healthy | 2100 | 12911 |
| Log Energy Entropy+ Band-pass | Actual Class | Sch | 5651 | 21 |
| Healthy | 315 | 5987 |
| Kurtosis+ Band-pass | Actual Class | Sch | 7980 | 2010 |
| Healthy | 7869 | 9126 |
| **Feature Name** | **Classes Name** | **QDA** |
| **Predicted Class** |
| FFT | Actual Class | Sch | 10182 | 881 |
| Healthy | 3981 | 11612 |
| ApEn | Actual Class | Sch | 12792 | 1811 |
| Healthy | 5987 | 3412 |
| ApEn+ Band-pass | Actual Class | Sch | 11655 | 253 |
| Healthy | 7142 | 5381 |
| Shannon Entropy+ Band-pass | Actual Class | Sch | 4894 | 831 |
| Healthy | 6612 | 5612 |
| Log Energy Entropy+ Band-pass | Actual Class | Sch | 11981 | 123 |
| Healthy | 2012 | 12351 |
| Kurtosis+ Band-pass | Actual Class | Sch | 12110 | 815 |
| Healthy | 13105 | 1190 |
| **Feature Name** | **Classes Name** | **Ensemble** |
| **Predicted Class** |
| FFT | Actual Class | Sch | 11781 | 859 |
| Healthy | 1129 | 10912 |
| ApEn | Actual Class | Sch | 9861 | 2450 |
| Healthy | 5410 | 10820 |
| ApEn+ Band-pass | Actual Class | Sch | 12654 | 967 |
| Healthy | 6113 | 7234 |
| Shannon Entropy+ Band-pass | Actual Class | Sch | 12750 | 301 |
| Healthy | 566 | 14100 |
| Log Energy Entropy+ Band-pass | Actual Class | Sch | 10751 | 121 |
| Healthy | 123 | 12912 |
| Kurtosis+ Band-pass | Actual Class | Sch | 10911 | 978 |
| Healthy | 6541 | 5801 |