Table S6. Two-Second Epoch Size Confusion Matrix Results

|  |  |  |  |
| --- | --- | --- | --- |
| **Classifier** | **Feature Name** | **Classes Name** | **Predicted Class** |
| SVM | FFT | Actual Class | Sch | 5817 | 238 |
| Healthy | 207 | 7706 |
| ApEn | Actual Class | Sch | 5136 | 1374 |
| Healthy | 1929 | 5984 |
| ApEn+ Band-pass | Actual Class | Sch | 5581 | 929 |
| Healthy | 1052 | 6861 |
| Shannon Entropy | Actual Class | Sch | 1285 | 5225 |
| Healthy | 362 | 7126 |
| Log Energy Entropy | Actual Class | Sch | 6468 | 42 |
| Healthy | 54 | 7859 |
| Kurtosis | Actual Class | Sch | 4535 | 1975 |
| Healthy | 1904 | 6085 |
| KNN | FFT | Actual Class | Sch | 5616 | 439 |
| Healthy | 376 | 7537 |
| ApEn | Actual Class | Sch | 5935 | 575 |
| Healthy | 3585 | 4328 |
| ApEn+ Band-pass | Actual Class | Sch | 5557 | 953 |
| Healthy | 1168 | 6745 |
| Shannon Entropy | Actual Class | Sch | 5939 | 571 |
| Healthy | 878 | 6610 |
| Log Energy Entropy | Actual Class | Sch | 6438 | 72 |
| Healthy | 112 | 8701 |
| Kurtosis | Actual Class | Sch | 3412 | 3098 |
| Healthy | 1652 | 6337 |
| QDA | FFT | Actual Class | Sch | 5714 | 341 |
| Healthy | 607 | 7306 |
| ApEn | Actual Class | Sch | 6385 | 125 |
| Healthy | 4052 | 3861 |
| ApEn+ Band-pass | Actual Class | Sch | 5945 | 565 |
| Healthy | 2676 | 5237 |
| Shannon Entropy | Actual Class | Sch | 6344 | 166 |
| Healthy | 4132 | 3356 |
| Log Energy Entropy | Actual Class | Sch | 6485 | 25 |
| Healthy | 407 | 7506 |
| Kurtosis | Actual Class | Sch | 6379 | 131 |
| Healthy | 6932 | 1057 |
| EC | FFT | Actual Class | Sch | 5821 | 234 |
| Healthy | 273 | 7640 |
| ApEn | Actual Class | Sch | 5709 | 801 |
| Healthy | 1299 | 6614 |
| ApEn+ Band-pass | Actual Class | Sch | 5924 | 586 |
| Healthy | 2759 | 5154 |
| Shannon Entropy | Actual Class | Sch | 6351 | 159 |
| Healthy | 269 | 7219 |
| Log Energy Entropy | Actual Class | Sch | 6471 | 39 |
| Healthy | 74 | 7839 |
| Kurtosis | Actual Class | Sch | 5260 | 1250 |
| Healthy | 2471 | 5518 |