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| Extended Table 1: Prediction results for different combinations on the arousal of DEAP database | | | | | | | | | | |
| Subjects |  |  |  |  |  |  |  |  |  |  |
| S1 | 85.74 | 88.50 | 78.99 | 86.00 | 95.51 | 94.49 | 91.12 | 97.11 | 97.74 | 98.62 |
| S2 | 75.81 | 75.99 | 80.49 | 83.89 | 81.52 | 88.49 | 92.37 | 89.36 | 92.87 | 92.87 |
| S3 | 88.36 | 87.02 | 89.35 | 89.75 | 91.39 | 93.73 | 94.98 | 96.73 | 97.49 | 98.24 |
| S4 | 71.63 | 77.08 | 74.91 | 70.28 | 80.48 | 88.98 | 83.13 | 89.86 | 91.87 | 91.35 |
| S5 | 76.03 | 84.03 | 69.53 | 62.24 | 90.77 | 93.13 | 75.76 | 95.39 | 93.00 | 97.00 |
| S6 | 71.75 | 83.31 | 79.65 | 76.42 | 88.66 | 91.65 | 87.16 | 93.53 | 95.02 | 95.77 |
| S7 | 79.13 | 82.23 | 78.61 | 80.25 | 88.26 | 87.01 | 84.74 | 92.24 | 91.25 | 93.01 |
| S8 | 81.13 | 81.77 | 95.76 | 69.39 | 89.39 | 93.27 | 87.66 | 95.76 | 95.01 | 96.37 |
| S9 | 72.38 | 83.73 | 74.52 | 74.48 | 85.50 | 87.99 | 84.98 | 91.38 | 90.61 | 92.13 |
| S10 | 81.75 | 88.24 | 78.12 | 65.35 | 94.01 | 97.63 | 85.77 | 98.50 | 97.26 | 98.25 |
| S11 | 64.63 | 63.73 | 84.14 | 78.57 | 69.50 | 74.60 | 83.74 | 77.49 | 84.62 | 85.74 |
| S12 | 83.61 | 82.63 | 81.63 | 79.92 | 89.63 | 91.00 | 87.48 | 92.87 | 93.12 | 93.62 |
| S13 | 76.27 | 87.78 | 77.24 | 91.24 | 90.51 | 96.65 | 97.38 | 95.03 | 98.13 | 96.64 |
| S14 | 77.25 | 75.49 | 87.38 | 74.73 | 82.88 | 83.24 | 86.62 | 88.14 | 91.25 | 92.49 |
| S15 | 82.39 | 82.36 | 92.49 | 79.32 | 88.75 | 90.25 | 89.76 | 91.26 | 92.00 | 93.25 |
| S16 | 82.38 | 82.00 | 85.98 | 66.52 | 93.12 | 96.37 | 90.25 | 97.62 | 98.24 | 98.62 |
| S17 | 71.12 | 70.26 | 68.63 | 73.24 | 81.62 | 87.77 | 89.78 | 90.87 | 90.65 | 92.39 |
| S18 | 80.50 | 79.58 | 85.38 | 67.15 | 89.00 | 91.62 | 85.27 | 94.73 | 94.75 | 96.73 |
| S19 | 75.24 | 81.88 | 83.86 | 87.99 | 87.71 | 91.71 | 91.89 | 94.23 | 95.50 | 96.75 |
| S20 | 74.74 | 95.24 | 85.98 | 82.77 | 86.23 | 98.36 | 95.50 | 98.37 | 96.86 | 98.37 |
| S21 | 87.50 | 83.33 | 80.11 | 89.89 | 93.12 | 90.50 | 93.98 | 93.74 | 95.24 | 96.86 |
| S22 | 76.36 | 70.98 | 68.63 | 67.87 | 81.62 | 85.63 | 76.86 | 89.12 | 87.61 | 91.12 |
| S23 | 78.58 | 81.38 | 85.38 | 82.74 | 89.00 | 88.63 | 89.87 | 91.88 | 92.89 | 93.51 |
| S24 | 74.87 | 85.71 | 83.86 | 74.00 | 87.71 | 93.36 | 87.62 | 93.35 | 95.10 | 94.35 |
| S25 | 79.01 | 80.98 | 84.11 | 77.12 | 86.23 | 89.99 | 87.12 | 91.36 | 92.36 | 93.75 |
| S26 | 66.98 | 74.47 | 80.11 | 67.51 | 82.00 | 90.74 | 87.38 | 90.85 | 94.61 | 95.00 |
| S27 | 76.36 | 77.87 | 76.01 | 74.01 | 84.11 | 86.02 | 83.38 | 90.13 | 88.13 | 91.13 |
| S28 | 77.25 | 74.55 | 78.46 | 81.64 | 86.53 | 85.62 | 88.48 | 90.12 | 91.51 | 92.88 |
| S29 | 80.98 | 87.86 | 84.37 | 79.00 | 94.73 | 95.25 | 90.25 | 97.49 | 97.25 | 97.50 |
| S30 | 76.49 | 73.76 | 78.73 | 67.48 | 89.99 | 89.24 | 86.23 | 95.38 | 92.37 | 96.87 |
| S31 | 83.22 | 82.87 | 81.63 | 82.18 | 89.24 | 90.39 | 93.26 | 92.26 | 95.02 | 96.25 |
| S32 | 77.61 | 80.04 | 80.61 | 82.39 | 83.24 | 88.65 | 89.49 | 91.27 | 93.52 | 93.89 |
| mean | 77.72 | 80.89 | 80.86 | 77.04 | 87.53 | 90.37 | 88.10 | 92.73 | 93.52 | 94.73 |

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| Extended Table 2: Prediction results for different combinations in the third session of SEED IV database | | | | | | | | | | | | | | | |
| Subject |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S1 | 80.18 | 76.54 | 78.60 | 86.97 | 87.23 | 90.39 | 89.79 | 92.57 | 94.04 | 93.92 | 95.37 | 96.59 | 95.86 | 97.44 | 97.57 |
| S2 | 83.32 | 88.32 | 92.58 | 91.96 | 95.5 | 92.70 | 95.10 | 95.98 | 96.11 | 95.62 | 96.96 | 96.11 | 96.59 | 97.33 | 98.18 |
| S3 | 71.19 | 79.79 | 79.45 | 87.23 | 87.58 | 89.05 | 89.29 | 93.55 | 92.94 | 92.70 | 95.25 | 94.53 | 96.11 | 96.23 | 96.71 |
| S4 | 74.44 | 81.14 | 90.02 | 94.64 | 96.10 | 90.02 | 92.09 | 95.99 | 96.72 | 93.07 | 96.10 | 96.96 | 97.32 | 97.08 | 97.81 |
| S5 | 75.54 | 77.37 | 81.50 | 91.23 | 93.43 | 86.62 | 90.39 | 94.76 | 94.89 | 91.48 | 95.98 | 96.72 | 96.34 | 98.05 | 97.44 |
| S6 | 76.66 | 79.55 | 90.75 | 94.89 | 96.35 | 87.83 | 93.42 | 96.72 | 97.08 | 94.16 | 96.84 | 97.08 | 97.44 | 97.81 | 98.30 |
| S7 | 77.63 | 80.66 | 86.62 | 90.76 | 94.16 | 89.30 | 91.74 | 94.65 | 95.37 | 93.80 | 95.49 | 96.23 | 96.96 | 97.09 | 97.69 |
| S8 | 77.50 | 81.25 | 83.09 | 88.92 | 93.43 | 90.52 | 92.22 | 94.15 | 94.89 | 94.16 | 95.38 | 95.98 | 96.59 | 96.59 | 96.96 |
| S9 | 76.53 | 80.42 | 85.28 | 93.56 | 93.30 | 88.08 | 91.24 | 95.74 | 96.11 | 93.67 | 96.71 | 96.35 | 96.35 | 96.84 | 97.68 |
| S10 | 79.56 | 81.50 | 81.26 | 90.75 | 93.56 | 91.73 | 91.35 | 94.29 | 95.74 | 94.89 | 96.23 | 96.35 | 96.83 | 97.69 | 98.05 |
| S11 | 68.23 | 77.87 | 77.44 | 82.74 | 86.37 | 86.26 | 87.21 | 91.60 | 92.21 | 90.62 | 94.04 | 95.13 | 94.28 | 95.37 | 96.35 |
| S12 | 77.25 | 75.52 | 77.87 | 88.21 | 89.91 | 87.46 | 88.32 | 94.53 | 93.43 | 91.97 | 95.38 | 95.74 | 96.35 | 97.56 | 97.44 |
| S13 | 77.72 | 81.50 | 84.26 | 94.77 | 95.50 | 88.80 | 93.79 | 95.62 | 96.11 | 94.53 | 96.22 | 97.44 | 97.20 | 98.05 | 98.29 |
| S14 | 80.67 | 82.48 | 85.65 | 92.10 | 95.62 | 90.26 | 92.18 | 96.23 | 96.84 | 94.29 | 96.71 | 97.81 | 95.87 | 98.54 | 98.18 |
| S15 | 79.43 | 81.86 | 92.57 | 93.79 | 97.81 | 91.48 | 95.14 | 96.96 | 97.45 | 95.87 | 97.32 | 98.3 | 98.17 | 99.03 | 98.54 |
| Mean | 77.06 | 80.39 | 84.4 | 90.84 | 93.06 | 89.37 | 91.61 | 94.89 | 95.33 | 93.65 | 96.06 | 96.43 | 96.55 | 97.40 | 97.68 |