Model	Test subject	validation accuracy	Test accuracy	Left MI PPV	Right MI PPV	Risky error	Non-default parameter settings
CSP + RF	B	65,88 +- 3,16	59.38	67.19	64.71	20.31	4 CSP components | RF max depth 10, max features 0.4, min sample split 10, 50 estimators
AutoFreq + CSP + LDA	B	66.15 +- 3.01	60.42	66.15	61.02	23.44	2 - 30 Hz filter | 4 CSP components | LDA SVD solver with 0.0001 tol
CSP + LDA	B	66.15 +- 5.04	60.94	66.15	62.71	22.92	6 CSP components | LDA SVD solver with 0.0001 tol
CSP + SVM	B	66.93 +- 2.98	61.46	68.85	63.16	20.83	4 CSP components | SVM RBF with C 0.1 and Gamma auto
BiConvLSTM EEGNet	B	81.77 @ epoch 448	70.83	81.36	68.25	16.15	40 LSTM filters | LSTM kernel size 9, LSTM dropout 0.7
BiLSTM EEGNet	B	80.21 @ epoch 75	71.35	78.46	69.84	17.19	/
ShallowConvNet	B	72.92 @ epoch 1385	72.40	76.67	71.88	16.67	0.8 dropout
EEGNet	B	83.33 @ epoch 1262	77.08	84.75	71.01	15.10	/
DeepConvNet	B	80.73 @ epoch 2243	**80.73**	**89.29**	**85.19**	**7.29**	/
CSP + RF	C	71.19 +- 3.16	70.83	75.00	75.81	15.63	6 CSP components | RF max depth 3, max features 0.4, min sample split 5, 250 estimators
AutoFreq + CSP + LDA	C	71.71 +- 3.49	71.88	77.59	72.73	16.15	2 - 30 Hz filter | 10 CSP components | LDA SVD solver with 0.0001 tol
CSP + LDA	C	71.44 +- 3.41	72.40	77.59	73.85	15.63	10 CSP components | LDA SVD solver with 0.0001 tol
CSP + SVM	C	72.62 +- 2.98	74.48	80.33	76.19	14.06	6 CSP components | SVM RBF with C 100 and Gamma 0.001
ShallowConvNet	C	89.06 @ epoch 187	86.46	88.24	85.94	8.85	40 LSTM filters | LSTM kernel size 9, LSTM dropout 0.7
BiConvLSTM EEGNet	C	88.54 @ epoch 78	88.54	**93.75**	86.36	6.77	0.8 dropout
DeepConvNet	C	90.10 @ epoch 301	88.54	88.24	87.69	8.33	/
EEGNet	C	91.67 @ epoch 2497	89.06	87.32	91.80	7.29	/
BiLSTM EEGNet	C	89.06 @ epoch 1143	**90.63**	88.41	**93.44**	**6.25**	/
CSP + SVM	E	72.51 +- 1.76	70.16	75.00	66.67	19.90	10 CSP components | RF max depth None, max features 0.2, min sample split 2, 250 estimators
CSP + LDA	E	75.92 +- 0.98	72.77	76.92	72.88	16.23	1 - 34 Hz filter | 10 CSP components | LDA SVD solver with 0.0001 tol
CSP + RF	E	73.56 +- 1.59	73.30	80.00	71.43	15.71	6 CSP components | SVM sigmoid with C 100 and Gamma 0.01
AutoFreq + CSP + LDA	E	73.42 +- 1.71	73.82	74.24	76.36	15.71	10 CSP components | LDA SVD solver with 0.0001 tol
BiLSTM EEGNet	E	92.15 @ epoch 339	82.72	83.33	87.10	9.95	40 LSTM filters | LSTM kernel size 9, LSTM dropout 0.7
BiConvLSTM EEGNet	E	90.58 @ epoch 478	86.39	**91.80**	90.00	5.76	/
EEGNet	E	91.62 @ epoch 338	86.91	90.16	88.89	6.81	0.8 dropout
ShallowConvNet	E	92.15 @ epoch 1010	88.48	88.89	**93.55**	5.76	/
DeepConvNet	E	92.15 @ epoch 221	**88.48**	90.63	93.10	**5.24**	/