

Model	Test subject	validation accuracy	Test accuracy	Left MI PPV	Right MI PPV	FPR L/R MI	Non-default parameter settings
CSP + SVM	B	60.39 +- 1.04	38.57	40.77	38.94	59.84	10 CSP components RBF SVM with C 10 and gamma auto
AutoFreq + CSP + LDA	B	58.53 +- 1.66	38.99	41.94	36.26	60.99	1 - 26 Hz filter 10 CSP components LDA LSQR solver
CSP + RF	B	59.83 +- 0.68	39.09	40.06	38.66	60.44	10 CSP components RF with None max depth, 0.2 max features, 2 min samples split and 500 estimators
CSP + LDA	B	56.62 +- 1.29	39.61	42.24	41.22	58.13	10 CSP components SVD LDA with 0.0001 tol
ShallowConvNet	B	0.7625 @ epoch 545	59.69	60.94	60.44	39.30	0.4 dropout
DeepConvNet	B	0.7543 @ epoch 1554	62.50	77.68	69.55	26.47	/
BiConvLSTM EEGNet	B	0.7497 @ epoch 82	62.60	61.94	64.57	36.90	40 LSTM filters, kernel size 9, 0.7 LSTM dropout
EEGNet	B	0.7654 @ epoch 92	64.79	67.09	65.96	33.49	/
BiLSTM EEGNet	B	0.7648 @ epoch 128	66.35	71.24	64.02	32.63	/
CSP + SVM	C	51.69 +- 44.11	44.11	51.88	41.49	55.43	10 CSP components RBF SVM with C 10 and gamma scale
AutoFreq + CSP + LDA	C	47.91 +- 0.19	44.32	67.28	41.33	53.30	2 - 34 Hz filter 10 CSP components LDA SVD solver with 0.0001 tol
CSP + RF	C	50.40 +- 1.97	44.53	52.17	40.94	55.30	10 CSP components RF with None max depth, sqrt max features, 10 min samples split and 250 estimators
CSP + LDA	C	47.81 +- 1.85	47.31	61.58	42.47	51.86	10 CSP components lsqr LDA
BiLSTM EEGNet	C	0.7486 @ epoch 6	59.85	72.79	65.52	30.49	/
EEGNet	C	0.6993 @ epoch 458	59.96	77.65	51.13	39.20	/
ShallowConvNet	C	0.7196 @ epoch 57	60.58	72.89	51.98	39.59	0.4 dropout
DeepConvNet	C	0.7132 @ epoch 990	61.94	75.51	58.40	34.97	/
BiConvLSTM EEGNet	C	0.7329 @ epoch 50	62.04	77.29	54.74	37.19	40 LSTM filters, kernel size 9, 0.7 LSTM dropout
CSP + SVM	E	57.36 +- 2.20	33.81	34.25	30.74	66.13	10 CSP components RBF SVM with C 1 and gamma scale
CSP + RF	E	57.20 +- 2.74	37.08	38.08	35.82	63.10	10 CSP components RF with 10 max depth, log2 max features, 10 min samples split and 250 estimators
AutoFreq + CSP + LDA	E	55.03 +- 1.68	40.77	42.47	38.91	59.41	2 - 28 Hz filter 10 CSP components LDA SVD solver with 0.0001 tol
CSP + LDA	E	55.67 +- 2.87	40.98	44.31	38.72	59.24	10 CSP components SVD LDA with 0.0001 tol
ShallowConvNet	E	0.7841 @ epoch 22	52.67	51.23	52.10	48.31	0.4 dropout
EEGNet	E	0.7454 @ epoch 889	64.19	68.45	73.95	29.47	/
BiLSTM EEGNet	E	0.7182 @ epoch 72	65.34	68.03	75.24	29.34	/
BiConvLSTM EEGNet	E	0.724 @ epoch 240	66.18	74.91	84.36	20.99	40 LSTM filters, kernel size 9, 0.7 LSTM dropout
DeepConvNet	E	0.7656 @ epoch 835	66.81	67.29	83.87	26.64	/