Multimedia Appendix 4. Performance of PSS and MCS classification models with one month or last week of data.

	PSS (high or low)				MCS (high or low)			
	One month		Last week		One month		Last week	
	Accuracy	F1	Accuracy	F1	Accuracy	F1	Accuracy	F1
All								
LASSO	67.6	0.74	76.3	0.78	58.1	0.55	37.5	0.17
SVM linear	70.3	0.72	65.0	0.70	65.8	0.67	75.0	0.75
SVM RBF	81.5	0.83	82.5	0.84	77.2	0.78	81.3	0.82
Big Five + Gender								
LASSO	71.9	0.75	71.9	0.75	82.6	0.84	82.6	0.84
SVM linear	68.8	0.71	68.8	0.71	82.6	0.84	82.6	0.84
SVM RBF	71.4	0.75	71.4	0.75	84.7	0.85	84.7	0.85
Sensor								
LASSO	56.8	0.68	59.6	0.73	59.4	0.60	45.0	0.27
SVM linear	58.3	0.59	63.4	0.67	75.9	0.77	67.5	0.68
SVM RBF	78.3	0.80	73.8	0.76	85.1	0.88	70.0	0.70
Phone								
LASSO	44.1	0.53	39.6	0.39	54.4	0.56	47.1	0.47
SVM linear	57.5	0.60	47.9	0.57	60.0	0.59	64.7	0.60
SVM RBF	64.2	0.67	63.2	0.62	71.1	0.71	73.5	0.73
Objective								
LASSO	53.0	0.63	53.9	0.67	53.0	0.59	50.0	0.29
SVM linear	65.9	0.67	53.0	0.61	75.9	0.77	70.0	0.71
SVM RBF	70.1	0.73	69.6	0.73	86.1	0.88	73.3	0.75
Behaviors								
LASSO	46.9	0.60	37.2	0.35	54.7	0.54	68.8	0.74
SVM linear	61.2	0.61	59.0	0.61	70.6	0.67	81.3	0.84
SVM RBF	73.5	0.76	69.2	0.71	78.7	0.76	87.5	0.89