

Supplementary material

Table 1: Results of regularized-method LASSO with inference

Variables	Coefficient selected in the model
Age	
Female/Male	
Emotional eating	0.0001465112
Restraint eating	
External eating	
BITE Symptom subscale	0.2349467593
BITE Severity subscale	
Beck Depression Inventory	
State anxiety inventory	
Trait anxiety inventory	
DERS Non-acceptance	
DERS Goals	
DERS Impulse	
DERS Awareness	
DERS Strategies	0.0310587560
DERS Clarity	

Table 2: Results of regularized-method LASSO with inference.

Variables	coefficients	Z-score	p-value	Low Conf Pt	Up Conf Pt	LowTail Area	UpTail Area
Age	0.063	1.358	0.164	-0.052	0.194	0.049	0.050
Female/Male	-0.992	-1.132	0.204	-5.231	1.529	0.049	0.049
Emotional eating	0.077	1.578	0.060	-0.009	0.545	0.049	0.050
Restraint eating	-0.032	-0.536	0.316	-0.629	0.284	0.050	0.050
External eating	0.006	0.094	0.910	-1.934	0.056	0.050	0.050
BITE Symptom subscale	0.343	2.661	0.029	0.057	0.906	0.049	0.049
BITE Severity subscale	0.107	0.715	0.466	-0.545	0.419	0.050	0.050
Beck Depression Inventory	0.065	0.722	0.618	-0.604	0.225	0.050	0.050
State anxiety inventory	-0.022	-0.532	0.564	-0.123	0.217	0.050	0.050
Trait anxiety inventory	-0.022	-0.383	0.668	-0.159	0.454	0.049	0.000
DERS Non- acceptance	-0.119	-1.162	0.290	-0.286	0.219	0.050	0.049
DERS Goals	-0.057	-0.455	0.653	-0.233	0.792	0.050	0.050
DERS Impulse	0.038	0.278	0.680	-1.457	0.555	0.050	0.050
DERS Awareness	-0.022	-0.242	0.780	-0.188	1.070	0.050	0.050
DERS Strategies	0.231	1.571	0.170	-0.202	0.721	0.050	0.049
DERS Clarity	-0.094	-0.674	0.281	-1.332	0.515	0.050	0.050

Table 3: Bayesian approach: Population-Level Effects

	Estimate	Est.Error	l-95% CI	u-95% CI	Rhat	Bulk_ESS	Tail_ESS
Intercept	-10.01	4.94	-19.98	-0.82	1.00	3441	3134
Age	0.09	0.05	-0.02	0.19	1.00	2691	2826
Female/Male	-1.19	0.99	-3.14	0.76	1.00	3765	3065
Emotional eating	0.10	0.06	-0.01	0.21	1.00	2970	3051
Restraint eating	-0.04	0.07	-0.18	0.09	1.00	3113	2821
External eating	0.01	0.08	-0.14	0.16	1.00	3428	2967
BITE Symptom subscale	0.45	0.15	0.19	0.77	1.00	2503	2248
BITE Severity subscale	0.16	0.17	-0.17	0.51	1.00	3822	2909
Beck Depression Inventory	0.08	0.10	-0.11	0.29	1.00	2901	2816
State anxiety inventory	-0.03	0.05	-0.12	0.06	1.00	3478	2712
Trait anxiety inventory	-0.03	0.07	-0.16	0.10	1.00	2957	2507
DERS Non-acceptance	-0.17	0.12	-0.42	0.05	1.00	2248	2448
DERS Goals	-0.06	0.14	-0.34	0.21	1.00	3539	3162
DERS Impulse	0.04	0.15	-0.27	0.34	1.00	2936	2620
DERS Awareness	-0.03	0.10	-0.23	0.17	1.00	3299	2937
DERS Strategies	0.32	0.17	0.00	0.68	1.00	2331	2512
DERS Clarity	-0.13	0.16	-0.46	0.18	1.00	2966	3054

Note. Samples: 4 chains, each with iter = 2000; warmup = 1000; thin = 1; total post-warmup samples = 4000.