

Table S1. Physiological responses and their reliability indices from the baseline and emotion-provoking phases of the happiness condition

Session	SCL (μ S)		meanFT ($^{\circ}$ C)		meanHR (bpm)		meanBVP (V)	
	Baseline	HAP	Baseline	HAP	Baseline	HAP	Baseline	HAP
1	5.1 $\pm$ 3.07	5.1 $\pm$ 4.74	32.3 $\pm$ 0.02	32.4 $\pm$ 0.12	72.2 $\pm$ 10.34	72.8 $\pm$ 11.07	8.4 $\pm$ 0.84	8.4 $\pm$ 0.86
2	3.5 $\pm$ 3.27	3.8 $\pm$ 3.11	32.4 $\pm$ 0.21	32.4 $\pm$ 0.02	72.9 $\pm$ 11.25	70.9 $\pm$ 10.10	8.4 $\pm$ 0.61	8.3 $\pm$ 0.70
3	4.7 $\pm$ 2.69	4.5 $\pm$ 2.91	32.4 $\pm$ 0.10	32.3 $\pm$ 0.20	71.6 $\pm$ 8.84	70.2 $\pm$ 9.36	8.2 $\pm$ 0.81	8.2 $\pm$ 0.66
4	3.6 $\pm$ 2.01	4.2 $\pm$ 2.57	32.3 $\pm$ 0.20	32.4 $\pm$ 0.01	74.9 $\pm$ 9.08	73.1 $\pm$ 9.38	8.7 $\pm$ 0.93	8.7 $\pm$ 0.98
5	3.9 $\pm$ 2.99	4.3 $\pm$ 2.81	34.7 $\pm$ 0.71	34.7 $\pm$ 0.73	72.4 $\pm$ 10.68	73.1 $\pm$ 11.77	8.8 $\pm$ 0.61	8.7 $\pm$ 0.66
6	4.4 $\pm$ 2.97	4.1 $\pm$ 3.61	35.0 $\pm$ 0.48	34.9 $\pm$ 0.50	76.0 $\pm$ 9.58	76.8 $\pm$ 12.22	8.2 $\pm$ 0.63	8.2 $\pm$ 0.57
7	4.4 $\pm$ 2.78	3.1 $\pm$ 2.68	35.0 $\pm$ 0.75	34.9 $\pm$ 0.77	76.4 $\pm$ 10.36	75.7 $\pm$ 9.01	8.3 $\pm$ 0.61	8.2 $\pm$ 0.67
8	4.7 $\pm$ 3.13	3.9 $\pm$ 3.88	35.2 $\pm$ 0.56	35.2 $\pm$ 0.57	74.4 $\pm$ 10.51	72.7 $\pm$ 11.89	8.1 $\pm$ 0.71	8.6 $\pm$ 0.74
9	4.1 $\pm$ 2.85	3.0 $\pm$ 2.02	35.2 $\pm$ 0.38	35.3 $\pm$ 0.33	79.1 $\pm$ 11.78	76.5 $\pm$ 16.09	8.2 $\pm$ 0.64	8.5 $\pm$ 0.67
10	4.4 $\pm$ 2.81	3.3 $\pm$ 3.73	35.2 $\pm$ 0.68	35.3 $\pm$ 0.87	80.0 $\pm$ 14.37	78.6 $\pm$ 13.24	8.4 $\pm$ 0.59	8.8 $\pm$ 0.65
Mean	4.3 $\pm$ 2.86	3.9 $\pm$ 3.21	34.0 $\pm$ 0.36	33.9 $\pm$ 0.38	74.9 $\pm$ 10.68	74.1 $\pm$ 11.72	8.4 $\pm$ 0.70	8.5 $\pm$ 0.72
α	.61	.95	.69	.69	.44	.92	.63	.95
ρ	.59.	.95	.69	.69	.38	.91	.67	.95

Abbreviations: HAP, happiness; α , Cronbach's alpha; ρ , intra-class correlation.

Table S2. Physiological responses and their reliability indices from the baseline and emotion-provoking phases of the sadness condition

Session	SCL (μ S)		meanFT ($^{\circ}$ C)		meanHR (bpm)		meanBVP (V)	
	Baseline	SAD	Baseline	SAD	Baseline	SAD	Baseline	SAD
1	5.0 $\pm$ 2.87	5.5 $\pm$ 4.42	32.3 $\pm$ 0.01	32.4 $\pm$ 0.02	70.5 $\pm$ 10.15	70.8 $\pm$ 10.20	8.5 $\pm$ 0.91	8.4 $\pm$ 0.92
2	3.9 $\pm$ 2.48	3.3 $\pm$ 2.50	32.4 $\pm$ 0.02	32.4 $\pm$ 0.04	69.2 $\pm$ 8.57	68.1 $\pm$ 8.32	8.1 $\pm$ 0.85	8.1 $\pm$ 0.80
3	4.7 $\pm$ 2.62	3.8 $\pm$ 2.42	32.5 $\pm$ 0.04	32.3 $\pm$ 0.01	69.4 $\pm$ 7.78	68.9 $\pm$ 8.74	8.1 $\pm$ 0.80	8.1 $\pm$ 0.84
4	4.1 $\pm$ 2.03	3.6 $\pm$ 2.15	32.4 $\pm$ 0.03	32.9 $\pm$ 0.04	73.3 $\pm$ 9.84	74.5 $\pm$ 11.83	8.5 $\pm$ 0.87	8.5 $\pm$ 0.85
5	4.5 $\pm$ 2.46	4.2 $\pm$ 2.89	34.2 $\pm$ 1.81	34.4 $\pm$ 1.92	72.9 $\pm$ 10.07	71.7 $\pm$ 11.61	8.6 $\pm$ 0.91	8.6 $\pm$ 0.98
6	4.4 $\pm$ 3.21	4.4 $\pm$ 2.68	35.1 $\pm$ 0.57	35.1 $\pm$ 0.55	73.1 $\pm$ 9.56	73.3 $\pm$ 10.57	8.2 $\pm$ 0.76	8.3 $\pm$ 0.70
7	4.3 $\pm$ 2.55	4.3 $\pm$ 3.20	34.9 $\pm$ 0.82	34.9 $\pm$ 1.02	75.2 $\pm$ 9.57	71.1 $\pm$ 10.07	7.9 $\pm$ 0.75	8.1 $\pm$ 0.87
8	4.2 $\pm$ 2.89	4.2 $\pm$ 2.97	35.3 $\pm$ 0.50	35.2 $\pm$ 0.62	74.6 $\pm$ 10.31	70.0 $\pm$ 9.98	8.3 $\pm$ 0.75	8.5 $\pm$ 0.94
9	4.5 $\pm$ 2.56	3.7 $\pm$ 2.05	35.3 $\pm$ 0.63	35.3 $\pm$ 0.58	75.1 $\pm$ 10.77	71.7 $\pm$ 11.32	8.0 $\pm$ 0.73	8.3 $\pm$ 0.91
10	3.9 $\pm$ 3.41	3.8 $\pm$ 2.84	35.1 $\pm$ 0.73	35.2 $\pm$ 0.83	76.9 $\pm$ 12.14	75.5 $\pm$ 11.15	8.2 $\pm$ 0.89	8.6 $\pm$ 0.99
Mean	4.4 $\pm$ 2.71	4.1 $\pm$ 2.79	33.9 $\pm$ 0.51	34.0 $\pm$ 0.56	73.0 $\pm$ 10.18	71.6 $\pm$ 10.88	8.3 $\pm$ 0.83	8.3 $\pm$ 0.88
α	.63	.95	.36	.54	.48	.96	.57	.96
ρ	.54	.94	.35	.54	.44	.96	.63	.96

Abbreviations: SAD, sadness; α , Cronbach's alpha; ρ , intra-class correlation.

Table S3. Physiological responses and their reliability indices from the baseline and emotion-provoking phases of the anger condition

Session	SCL (μ S)		meanFT ($^{\circ}$ C)		meanHR (bpm)		meanBVP (V)	
	Baseline	ANG	Baseline	ANG	Baseline	ANG	Baseline	ANG
1	5.2 $\pm$ 3.36	4.9 $\pm$ 3.00	32.4 $\pm$ 0.02	32.3 $\pm$ 0.10	71.5 $\pm$ 9.45	71.0 $\pm$ 11.13	8.4 $\pm$ 0.91	8.4 $\pm$ 0.90
2	4.1 $\pm$ 2.42	3.6 $\pm$ 2.33	32.3 $\pm$ 0.13	32.4 $\pm$ 0.21	71.4 $\pm$ 9.31	68.6 $\pm$ 10.47	8.1 $\pm$ 0.78	8.2 $\pm$ 0.71
3	4.6 $\pm$ 2.63	4.3 $\pm$ 3.11	32.9 $\pm$ 0.30	32.4 $\pm$ 0.03	71.0 $\pm$ 8.91	68.1 $\pm$ 9.99	8.1 $\pm$ 0.79	8.3 $\pm$ 0.78
4	3.9 $\pm$ 2.21	3.8 $\pm$ 2.69	32.8 $\pm$ 0.03	32.4 $\pm$ 0.02	73.1 $\pm$ 9.62	71.8 $\pm$ 10.33	8.6 $\pm$ 0.94	8.6 $\pm$ 0.95
5	4.3 $\pm$ 2.39	4.5 $\pm$ 3.15	34.6 $\pm$ 0.91	34.7 $\pm$ 0.92	70.8 $\pm$ 11.11	68.6 $\pm$ 9.93	8.6 $\pm$ 0.92	8.6 $\pm$ 0.95
6	4.2 $\pm$ 3.43	3.9 $\pm$ 2.73	35.1 $\pm$ 0.86	35.0 $\pm$ 0.81	74.3 $\pm$ 9.06	74.7 $\pm$ 11.42	8.6 $\pm$ 0.92	8.2 $\pm$ 0.60
7	4.6 $\pm$ 3.39	4.1 $\pm$ 3.12	34.9 $\pm$ 0.69	34.9 $\pm$ 0.65	74.1 $\pm$ 10.23	71.3 $\pm$ 8.94	8.3 $\pm$ 0.81	8.1 $\pm$ 0.86
8	3.6 $\pm$ 2.54	4.8 $\pm$ 3.19	35.0 $\pm$ 0.54	35.1 $\pm$ 0.55	73.1 $\pm$ 11.06	70.9 $\pm$ 10.43	8.3 $\pm$ 0.80	8.5 $\pm$ 0.90
9	3.7 $\pm$ 3.03	3.3 $\pm$ 2.18	35.0 $\pm$ 1.04	35.1 $\pm$ 1.02	75.5 $\pm$ 11.79	73.5 $\pm$ 12.18	8.3 $\pm$ 0.81	8.3 $\pm$ 0.79
10	4.2 $\pm$ 2.68	4.2 $\pm$ 3.31	35.2 $\pm$ 0.49	35.2 $\pm$ 0.64	78.2 $\pm$ 14.77	75.3 $\pm$ 13.70	8.3 $\pm$ 0.72	8.6 $\pm$ 0.87
Mean	4.2 $\pm$ 2.81	4.1 $\pm$ 2.88	33.9 $\pm$ 0.46	34.0 $\pm$ 0.47	73.3 $\pm$ 10.53	71.4 $\pm$ 11.05	8.3 $\pm$ 0.84	8.4 $\pm$ 0.83
α	.47	.96	.57	.61	.26	.96	.41	.96
ρ	.40	.96	.56	.60	.10	.95	.45	.96

Abbreviations: ANG, anger; α , Cronbach's alpha; ρ , intra-class correlation.

Table S4. Physiological responses and their reliability indices from the baseline and emotion-provoking phases of the fear condition

Session	SCL (μ S)		meanFT ($^{\circ}$ C)		meanHR (bpm)		meanBVP (V)	
	Baseline	FEA	Baseline	FEA	Baseline	FEA	Baseline	FEA
1	4.8 $\pm$ 2.88	5.9 $\pm$ 3.75	32.4 $\pm$ 0.12	32.3 $\pm$ 0.11	69.8 $\pm$ 10.28	70.1 $\pm$ 10.79	8.4 $\pm$ 0.90	8.3 $\pm$ 0.92
2	3.8 $\pm$ 2.78	4.2 $\pm$ 3.04	32.9 $\pm$ 0.22	32.3 $\pm$ 0.12	69.2 $\pm$ 8.83	68.9 $\pm$ 8.17	8.2 $\pm$ 0.89	8.1 $\pm$ 0.88
3	4.4 $\pm$ 2.88	5.7 $\pm$ 2.68	32.4 $\pm$ 0.13	32.3 $\pm$ 0.03	70.9 $\pm$ 6.99	70.0 $\pm$ 9.22	8.1 $\pm$ 0.89	8.1 $\pm$ 0.82
4	4.1 $\pm$ 2.14	4.7 $\pm$ 1.58	32.8 $\pm$ 0.22	32.3 $\pm$ 0.25	73.3 $\pm$ 10.48	73.1 $\pm$ 11.94	8.6 $\pm$ 0.86	8.5 $\pm$ 0.89
5	4.6 $\pm$ 2.60	5.3 $\pm$ 2.85	34.6 $\pm$ 0.95	34.6 $\pm$ 1.03	71.5 $\pm$ 12.06	68.6 $\pm$ 10.71	8.6 $\pm$ 0.96	8.5 $\pm$ 0.97
6	4.7 $\pm$ 3.18	5.8 $\pm$ 2.36	35.1 $\pm$ 0.97	35.1 $\pm$ 1.00	75.3 $\pm$ 10.79	72.9 $\pm$ 10.55	8.5 $\pm$ 0.89	8.2 $\pm$ 0.69
7	4.9 $\pm$ 3.00	4.5 $\pm$ 2.73	35.0 $\pm$ 0.68	34.9 $\pm$ 0.68	73.6 $\pm$ 9.79	74.7 $\pm$ 9.87	8.6 $\pm$ 0.93	8.1 $\pm$ 0.74
8	4.7 $\pm$ 3.15	7.3 $\pm$ 2.75	35.3 $\pm$ 0.70	35.2 $\pm$ 0.62	74.3 $\pm$ 11.12	69.9 $\pm$ 12.30	8.7 $\pm$ 0.96	8.5 $\pm$ 0.98
9	5.0 $\pm$ 2.99	5.3 $\pm$ 2.15	35.1 $\pm$ 0.82	35.0 $\pm$ 0.75	78.3 $\pm$ 10.75	74.8 $\pm$ 12.28	8.5 $\pm$ 0.92	8.2 $\pm$ 0.93
10	4.9 $\pm$ 2.39	5.1 $\pm$ 2.93	35.5 $\pm$ 0.67	35.4 $\pm$ 0.68	76.9 $\pm$ 13.52	75.5 $\pm$ 12.86	8.5 $\pm$ 0.90	8.7 $\pm$ 0.82
Mean	4.6 $\pm$ 2.80	5.4 $\pm$ 2.68	34.0 $\pm$ 0.49	34.0 $\pm$ 0.48	73.3 $\pm$ 10.46	71.9 $\pm$ 10.87	8.5 $\pm$ 0.92	8.3 $\pm$ 0.86
α	.34	.91	.52	.62	.50	.94	.56	.96
ρ	.30	.91	.52	.61	.40	.94	.56	.96

Abbreviations: FEA, fear; α , Cronbach's alpha; ρ , intra-class correlation.

Table S5. Physiological responses and their reliability indices from the baseline and emotion-provoking phases of the disgust condition

Session	SCL (μ S)		meanFT ($^{\circ}$ C)		meanHR (bpm)		meanBVP (V)	
	Baseline	DIS	Baseline	DIS	Baseline	DIS	Baseline	DIS
1	5.1 $\pm$ 3.11	5.6 $\pm$ 4.06	32.9 $\pm$ 0.21	32.8 $\pm$ 0.11	72.8 $\pm$ 10.09	70.8 $\pm$ 12.05	8.4 $\pm$ 0.90	8.3 $\pm$ 0.90
2	3.9 $\pm$ 2.75	4.8 $\pm$ 3.66	32.8 $\pm$ 0.11	32.7 $\pm$ 0.12	70.5 $\pm$ 7.86	69.3 $\pm$ 9.55	8.3 $\pm$ 0.77	8.2 $\pm$ 0.74
3	4.6 $\pm$ 2.86	4.8 $\pm$ 3.07	32.8 $\pm$ 0.31	32.8 $\pm$ 0.21	71.6 $\pm$ 7.52	71.6 $\pm$ 8.77	8.2 $\pm$ 0.64	8.2 $\pm$ 0.64
4	3.9 $\pm$ 2.00	4.6 $\pm$ 2.37	32.9 $\pm$ 0.12	32.8 $\pm$ 0.22	73.8 $\pm$ 10.17	71.9 $\pm$ 10.39	8.6 $\pm$ 0.87	8.5 $\pm$ 0.85
5	4.5 $\pm$ 2.27	5.1 $\pm$ 2.74	34.5 $\pm$ 0.94	34.4 $\pm$ 0.96	71.8 $\pm$ 10.65	67.2 $\pm$ 11.02	8.6 $\pm$ 0.86	8.6 $\pm$ 0.90
6	3.7 $\pm$ 2.59	5.4 $\pm$ 3.12	35.1 $\pm$ 0.92	35.1 $\pm$ 0.96	75.3 $\pm$ 11.05	73.5 $\pm$ 9.46	8.5 $\pm$ 0.89	8.2 $\pm$ 0.69
7	3.4 $\pm$ 2.19	4.7 $\pm$ 3.13	34.9 $\pm$ 0.83	34.8 $\pm$ 0.68	75.9 $\pm$ 10.11	73.9 $\pm$ 9.19	8.4 $\pm$ 0.64	8.3 $\pm$ 0.85
8	3.9 $\pm$ 2.64	5.8 $\pm$ 3.43	35.2 $\pm$ 0.59	35.1 $\pm$ 0.70	73.3 $\pm$ 10.27	68.9 $\pm$ 9.98	8.6 $\pm$ 0.81	8.5 $\pm$ 0.82
9	4.1 $\pm$ 2.51	4.2 $\pm$ 2.25	35.2 $\pm$ 0.42	35.1 $\pm$ 0.50	78.1 $\pm$ 6.74	75.3 $\pm$ 12.91	8.4 $\pm$ 0.94	8.2 $\pm$ 0.87
10	3.8 $\pm$ 2.83	4.1 $\pm$ 2.04	35.2 $\pm$ 0.45	35.3 $\pm$ 0.59	77.6 $\pm$ 12.94	73.6 $\pm$ 12.04	8.5 $\pm$ 0.94	8.5 $\pm$ 0.93
Mean	4.1 $\pm$ 2.58	4.9 $\pm$ 2.99	34.0 $\pm$ 0.42	33.9 $\pm$ 0.45	74.1 $\pm$ 9.74	71.6 $\pm$ 10.54	8.4 $\pm$ 0.84	8.3 $\pm$ 0.82
α	.57	.94	.13	.39	.46	.96	.71	.96
ρ	.57	.93	.13	.38	.40	.96	.70	.96

Abbreviations: DIS, disgust; α , Cronbach's alpha; ρ , intra-class correlation.

Table S6. Physiological responses and their reliability indices from the baseline and emotion-provoking phases of the surprise condition

Session	SCL (μ S)		meanFT ($^{\circ}$ C)		meanHR (bpm)		meanBVP (V)	
	Baseline	SUR	Baseline	SUR	Baseline	SUR	Baseline	SUR
1	5.1 $\pm$ 3.45	6.5 $\pm$ 3.11	32.4 $\pm$ 0.01	32.3 $\pm$ 0.12	71.1 $\pm$ 11.06	70.5 $\pm$ 10.52	8.3 $\pm$ 0.86	8.3 $\pm$ 0.95
2	4.0 $\pm$ 2.85	4.6 $\pm$ 2.26	32.4 $\pm$ 0.12	32.4 $\pm$ 0.02	72.9 $\pm$ 9.13	69.7 $\pm$ 8.49	8.3 $\pm$ 0.83	8.2 $\pm$ 0.74
3	3.8 $\pm$ 3.39	3.6 $\pm$ 3.11	32.8 $\pm$ 0.20	32.4 $\pm$ 0.11	72.0 $\pm$ 7.19	69.8 $\pm$ 8.17	8.3 $\pm$ 0.71	8.4 $\pm$ 0.59
4	3.9 $\pm$ 3.03	4.8 $\pm$ 1.98	32.9 $\pm$ 0.12	32.8 $\pm$ 0.22	73.7 $\pm$ 8.71	73.8 $\pm$ 10.51	8.7 $\pm$ 0.86	8.5 $\pm$ 0.87
5	4.1 $\pm$ 2.21	4.1 $\pm$ 2.35	34.4 $\pm$ 1.0	34.5 $\pm$ 1.15	72.4 $\pm$ 13.69	68.1 $\pm$ 10.48	8.7 $\pm$ 0.81	8.6 $\pm$ 0.87
6	4.2 $\pm$ 2.90	5.8 $\pm$ 3.01	35.3 $\pm$ 0.61	35.2 $\pm$ 0.50	74.7 $\pm$ 10.90	72.3 $\pm$ 10.94	8.5 $\pm$ 0.86	8.2 $\pm$ 0.71
7	3.6 $\pm$ 1.55	4.6 $\pm$ 3.09	34.9 $\pm$ 0.72	34.9 $\pm$ 0.76	75.6 $\pm$ 11.40	74.2 $\pm$ 10.11	8.6 $\pm$ 0.93	8.1 $\pm$ 0.75
8	3.9 $\pm$ 2.38	5.9 $\pm$ 3.02	35.3 $\pm$ 0.75	35.2 $\pm$ 0.66	75.9 $\pm$ 11.75	71.0 $\pm$ 12.19	8.4 $\pm$ 0.98	8.5 $\pm$ 1.00
9	4.5 $\pm$ 3.14	4.7 $\pm$ 2.52	35.4 $\pm$ 0.40	35.3 $\pm$ 0.39	73.7 $\pm$ 10.91	72.5 $\pm$ 10.93	8.5 $\pm$ 0.94	8.3 $\pm$ 0.98
10	3.9 $\pm$ 2.50	4.7 $\pm$ 2.45	35.3 $\pm$ 0.38	35.4 $\pm$ 0.56	77.8 $\pm$ 11.84	75.4 $\pm$ 14.23	8.4 $\pm$ 0.89	8.5 $\pm$ 0.96
Mean	4.1 $\pm$ 2.74	4.9 $\pm$ 2.89	34.1 $\pm$ 0.40	34.0 $\pm$ 0.41	74.0 $\pm$ 10.66	71.7 $\pm$ 10.66	8.5 $\pm$ 0.88	8.3 $\pm$ 0.84
α	.79	.92	.63	.72	.54	.96	.71	.96
ρ	.45	.92	.63	.72	.47	.95	.70	.96

Abbreviations: SUR, surprise; α , Cronbach's alpha; ρ , intra-class correlation.