Supplementary 2 - Study 2

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1 Participant Exclusion

A total of N = 85 participants began the first session of Study 2.
26 participants did not finish the study and were excluded according to pre-registered criteria:

- Seven provided in session 1 self-ratings that were unsuitable for session 2 (elaborated below).

- Eight failed comprehension checks.

- Three failed attention checks.

- Three did not return to session 2.

- Five understood the purpose of the study as evident by interview at the end of the study.

The final analysis included N = 59 participants.

Unsuitable self-ratings-

To be eligible for the 2nd session, participants needed to provide self-rating that allow us to create 4 feedbacks for all 6 conditions-

- Higher Violation on Positive traits - a feedback higher than the self-rating (self-rating + 30 + rand(-5:5)) on a positive trait.

- Verification on Positive traits - a feedback similar to the self-rating (self-rating + rand(-5:5)) on a positive trait.

- Negative Violation on Positive traits - a feedback lower than the self-rating (self-rating - 30 + rand(-5:5)) on a positive trait.

- Higher Violation on Negative traits - a feedback higher than the self-rating (self-rating + 30 + rand(-5:5)) on a negative trait.

- Verification on Negative traits - a feedback similar to the self-rating (self-rating + rand(-5:5)) on a negative trait.

- Negative Violation on Negative traits - a feedback lower than the self-rating (self-rating - 30 + rand(-5:5)) on a negative trait.

To do so, an eligible participant needed to have:

- at least 4 positive traits self-rated lower than 70 &

- at least 4 different positive traits self-rated higher than 30 &

- at least 4 negative traits self-rated lower than 70 &

- at least 4 (different) negative traits self-rated higher than 30

2 Stimuli – Traits and Trait Questionnaires

Traits were taken from the paper E-millim (Armony-Sivan et al., 2013), in which participants received random Hebrew words and rated them either on valence, i.e., how positive or negative the word is, or on arousal. Both scales ranged from 1-9.

The chosen traits for Study 2, positive & negative Hebrew traits, and their rating are presented in Table 1 (data from the E-millim paper). "N valence" and "N Arousal" refer to the number of participants who rated the word on each scale. The trait questionnaires were originally written in Hebrew, for the supplementary materials Table 2 displays a rough translation to English by ChatGPT. "Original Length" refers to the number of characters (including spaces) in all 3 original Hebrew questionnaires, which we controlled for. Question order was randomized for each trait for each participant.

Table 1: Traits used in Study 2 as Stimuli (data from E-millim)

Valence Category	Trait English	Trait Hebrew	N valence	Mean valence	SD valence	N arousal	Mean arousal	SD arousal
Positive	brave	אומץ	27	7.890000	1.000000	25	6.080000	2.320000
Positive	responsible	אחריות	27	7.040000	1.380000	25	7.040000	2.210000
Positive	empathic	אמפטיה	27	7.300000	0.920000	25	5.840000	2.430000
Positive	decisive	החלטיות	33	7.000000	1.340000	33	5.670000	1.920000
Positive	persevering	התמדה	32	7.410000	1.640000	33	5.850000	2.140000
Positive	initiative	יוזמה	31	7.260000	1.030000	32	6.880000	1.570000

Positive	stable	יציבות	27	7.410000	1.200000	24	5.790000	2.660000
Positive	creative	יצירתיות	21	7.810000	1.170000	23	7.000000	1.830000
Positive	charismatic	כריזמה	32	7.560000	1.460000	32	6.560000	2.370000
Positive	moral	מוסריות	32	7.940000	1.060000	32	6.310000	2.630000
Positive	loyal	נאמנות	33	8.000000	1.230000	33	6.270000	2.610000
Positive	patient	סבלנות	27	7.370000	1.110000	25	5.480000	2.740000
Positive	spontaneous	ספונטניות	32	7.280000	1.210000	32	5.750000	2.570000
Positive	gentle	עדינות	33	7.060000	1.280000	31	4.680000	2.280000
Positive	joyful	עליזות	32	7.340000	1.270000	33	5.700000	2.540000
Positive	consistent	עקביות	27	6.670000	1.340000	25	5.480000	2.250000
Positive	spiritual	רוחניות	22	6.480000	1.890000	23	5.700000	3.140000
Positive	romantic	רומנטיות	33	7.790000	1.230000	33	6.360000	2.160000
Positive	rational	ציונאליות	27	6.810000	1.300000	25	5.240000	2.370000
Positive	serious	רצינות	32	6.340000	1.540000	33	5.520000	2.180000
Negative	selfish	אנוכיות	21	2.810000	1.030000	23	5.090000	2.500000
Negative	worrisome	דאגנות	31	4.230000	1.930000	33	6.120000	1.950000
Negative	dramatic	דרמתיות	32	4.130000	1.880000	33	5.940000	2.000000
Negative	materialistic	חומרנות	23	4.000000	2.150000	23	4.700000	2.270000
Negative	cheeky	חוצפה	35	2.800000	1.690000	38	5.760000	2.470000
Negative	flatterer	חנפנות	33	2.550000	1.560000	33	4.970000	2.190000
Negative	conceited	יהירות	31	2.940000	1.910000	33	6.450000	2.070000
Negative	childish	ילדותיות	27	4.220000	2.170000	25	4.920000	2.890000
Negative	stressed	לחץ	41	2.780488	1.387663	34	6.941177	2.187307
Negative	rebellious	מרדנות	30	3.500000	1.590000	33	6.090000	2.250000
Negative	vengefull	נקמנות	31	2.260000	1.670000	31	6.390000	2.260000
Negative	close	סגירות	31	3.580000	1.730000	32	4.720000	2.450000
Negative	lazy	עצלנות	32	2.560000	1.610000	33	4.730000	2.680000
Negative	cheap	קמצנות	17	1.940000	0.980000	15	5.330000	2.990000
Negative	jealous	קנאה	36	2.420000	1.160000	38	6.210000	2.540000
Negative	cold	קרירות	30	3.000000	1.280000	32	4.440000	2.290000
Negative	corrupt	שחיתות	32	1.970000	1.130000	32	6.190000	2.110000
Negative	domineering	שתלטנות	29	2.860000	1.290000	31	6.390000	2.030000
Negative	dependent	תלותיות	32	2.840000	1.450000	33	5.330000	2.370000
Negative	assertive	תקיפות	31	3.320000	1.680000	33	6.670000	1.700000

Table 2: Trait Questionnaires used in Study 2 as Stimuli

Valence Category	Trait English	Trait Hebrew	Question 1	Question 2	Question 3 (reversed)	Original Length
Positive	brave	אומץ	I tend to engage in risky behavior	It's easy for me to function properly under danger	I try to avoid situations where I might get hurt	95
Positive	responsible	אחריות	I make sure to perform tasks assigned to me well	I tend to double-check my actions	I try to shake off mistakes I made	98
Positive	empathic	אמפטיה	I often express compassion for others' suffering	It's easy for me to recognize others' emotional states	I believe someone else's suffering is their own business	96
Positive	decisive	החלטיות	I tend to stick to a decision I've made	I can make decisions quickly	It's hard for me to choose between two similar products	92
Positive	persevering	התמדה	It's important for me to finish what I started	I don't tend to give up when facing difficulty	I tend to switch between tasks to keep things interesting	97
Positive	initiative	יוזמה	It's easy for me to get others on board with my ideas	I tend to take on more than required	I prefer working as part of a pre-defined task	95
Positive	stable	יציבות	I have frequent mood swings	Many things can easily shake me	I behave the same way in different situations	94
Positive	creative	יצירתיות	It's easy for me to think "outside the box"	I often understand information differently than others	It's hard for me to generate new ideas from scratch	93
Positive	charismatic	כריזמה	People listen to me without effort on my part	People tend to place me in leadership positions	I tend to keep my opinions to myself	92

Positive	moral	מוסריות	Ethical principles guide my behavior	I tend to notice injustices around me	It's hard for me to distinguish good behavior from bad	97
Positive	loyal	נאמנות	I would do anything to help my friends	I want to keep the same friends for life	I cut off contact with friends who moved abroad	97
Positive	patient	סבלנות	It's easy for me to wait calmly for a long time	I don't tend to get bored easily	It's hard for me when things take longer than expected	91
Positive	spontaneou	ספונטניות	I frequently change my daily schedule	I quickly make time for new and interesting ideas	I struggle with changes in plans	99
Positive	gentle	עדינות	I show sensitivity to those around me	My conduct is characterized by politeness	I often speak loudly without realizing	99
Positive	joyful	עליזות	I usually see the glass as half full	Most of the time my mood is cheerful	I see the world as a gloomy place	90
Positive	consistent	עקביות	I tend to repeat similar behavioral patterns	I try to create a regular daily routine	I frequently change my opinions and stances	96
Positive	spiritual	רוחניות	I believe in a higher power	I believe I'm part of something greater	I struggle to believe in things I can't see	93
Positive	romantic	רומנטיות	I always prefer intimate dinners	When I'm in a relationship, I try to excite and surprise	I will choose a partner based on rational reasons	97
Positive	rational	רציונאליות	It's hard for me to complete irrational tasks	It's important for me to list pros and cons before deciding	My emotions control my actions	95
Positive	serious	רצינות	It's important for me to keep my commitments	It's hard for me to speak without prior thought	I often make fun of myself	91
Negative	selfish	אנוכיות	My personal well-being is more important than the common good	I won't go out of my way to help strangers	I try to consider others' needs too	94

Negative	worrisome	דאגנות	I tend to have many daily worries	I worry a lot about my loved ones	Others turn to me during stress to calm down	98
Negative	dramatic	דרמתיות	I often express emotions in an exaggerated way	I tend to get emotional over trivial events	I tend to describe events without exaggerating	97
Negative	materialistic	חומרנות	I prefer branded products	I often buy new clothes	I prefer to invest my money in experiences rather than objects	92
Negative	cheeky	חוצפה	Others say my behavior is disrespectful	I tend to dismiss others' ideas	It's important to me not to hurt others	93
Negative	flatterer	חנפנות	I prefer telling people what they want to hear	I compliment others often	It's hard for me to hide negative feelings toward others	95
Negative	conceited	יהירות	I tend to be proud of myself and my actions	I tend to downplay others' achievements near my own	I feel awkward talking about my successes	98
Negative	childish	ילדותיות	I tend to present serious topics in a ridiculous way	I often engage in playful behavior	It's easy for me to delay immediate gratification	94
Negative	stressed	לחץ	I tend to fear the moment things go wrong	Many situations make me anxious and tense	It's easy for me to handle emergencies	97
Negative	rebellious	מרדנות	I tend to act against the rules	I prefer to do things my own way rather than like everyone else	I try to act as expected of me	98
Negative	vengefull	נקמנות	I want others to be punished for their actions	It's hard for me to channel my anger toward others	It's easy for me to let go of moments when I was hurt	97
Negative	close	סגירות	I tend to keep my emotions to myself	Very few people understand me	I willingly share details about my past	90
Negative	lazy	עצלנות	I have no energy for unnecessary actions	I struggle to work efficiently for long periods	I dedicate a lot of effort to things that matter to me	95

Negative	cheap	קמצנות	I tend to avoid giving gifts	I give up luxuries to save money	I pay little attention to my spending	96
Negative	jealous	קנאה	I want things my friends have but I don't	It's hard for me to genuinely celebrate others' achievements	My loved ones' talents inspire me	99
Negative	cold	קרירות	People say my face lacks expression	It's hard for me to get excited about daily things	I often express my emotions to those around me	99
Negative	corrupt	שחיתות	I will bend rules for my personal benefit	I will use my personal connections without hesitation	It's important that my actions be transparent	89
Negative	domineering	שתלטנות	It's easy for me to take charge in new places	I want things to happen my way	I try to avoid imposing my opinion	91
Negative	dependent	תלותיות	I tend to compromise to maintain relationships	My closest friends mean everything to me	I will choose to spend a lot of time alone	91
Negative	assertive	תקיפות	My behavior is perceived as aggressive	I will express my opinion clearly and strongly	I struggle to stand my ground when faced with resistance	98

Note:

Roughly translated from Hebrew by ChatGPT. Original length refers to N symbols in Hebrew.

3 Additional Analyses Unreported in the Paper

3.1 Main Model Analysis

3.1.1 Main Model - Effect Coded (Verification vs. Violation)

The deviation from the self-rating ('Feedback' independent variable) is modeled as a factor with 3 levels:
higher violation: 1
verification: 0
lower violation: -1

Polynomial contrast compares verification to both direction of violation.
This model acts as a sanity check for the next model and provides descriptive at each level of deviation from self-rating*valence category.

Table 3: Fixed Effects from Main Model

term	β	std.error	statistic	df	p.value	conf.low	conf.high
Intercept	1.997	1.783	1.120	61.864	0.267	-1.568	5.561
Feedback (Linear)	-2.537	1.398	-1.815	40.270	0.077	-5.361	0.287
Feedback (Quadratic)	15.335	2.799	5.479	58.310	0.000	9.733	20.936
Valence	-2.127	0.864	-2.462	40.657	0.018	-3.872	-0.382
Feedback (L) × Valence	6.894	2.163	3.187	55.116	0.002	2.558	11.229
Feedback (Q) × Valence	-1.549	1.252	-1.237	69.118	0.220	-4.047	0.949

Table 4: Estimated Marginal Means: Feedback × Valence

feedback	valence	emmean	SE	df	lower.CL	upper.CL
Lower Violation	Negative Trait	2.417	2.909	52.253	-3.420	8.253
Verification	Negative Trait	-11.386	3.593	55.254	-18.585	-4.187
Higher Violation	Negative Trait	8.578	2.987	53.200	2.588	14.569
Lower Violation	Positive Trait	17.684	3.253	57.171	11.171	24.198
Verification	Positive Trait	-9.662	3.068	52.656	-15.816	-3.507
Higher Violation	Positive Trait	4.348	2.396	41.137	-0.490	9.186

Table 5: Estimated Marginal Means: Feedback

feedback	emmean	SE	df	lower.CL	upper.CL
Lower Violation	10.051	2.529	58.873	4.991	15.111
Verification	-10.524	3.114	57.059	-16.760	-4.288
Higher Violation	6.463	1.826	46.438	2.789	10.137

Table 6: Estimated Marginal Means: Valence

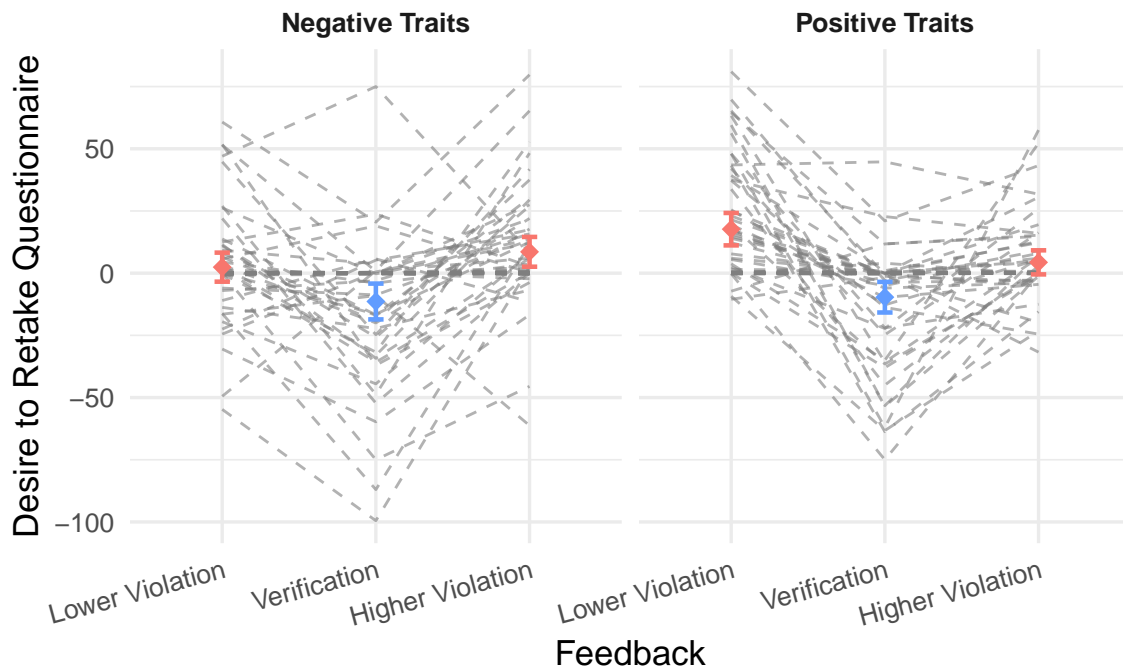| valence	emmean	SE	df	lower.CL	upper.CL
Negative Trait	-0.130	2.175	60.518	-4.481	4.220
Positive Trait	4.124	1.780	56.279	0.559	7.688

Figure 1: Gray lines represent the average response of each participant at each condition. Colored means and error bars are generated from the Effect Coded Main Model

3.1.2 Main Model Analysis - Continuous Polynomial Feedback Independent Variable

This model examines the hypothesis of a difference between verifying feedback and violating feedback, regardless of the direction of violation. It is reported in the manuscript, and is placed here to help compare to:

a. The Effect Coded model reported above - coding method does not change the results.

b. The continuous linear model reported below - the polynomial model fits the data better than the linear model.

Table 7: Fixed Effects from Quadratic Model

term	β	std.error	statistic	df	p.value	conf.low	conf.high
Intercept	-10.544	2.053	-5.137	104.982	0.000	-14.615	-6.474
Feedback (Linear)	-1.765	1.020	-1.731	47.335	0.090	-3.816	0.286
Feedback² (Quadratic)	18.767	1.538	12.203	1273.927	0.000	15.750	21.784
Valence	-0.876	1.335	-0.656	221.614	0.512	-3.506	1.754
Feedback × Valence	4.840	1.545	3.133	55.682	0.003	1.744	7.935
Feedback² × Valence	-1.820	1.538	-1.184	1274.388	0.237	-4.837	1.197

Table 8: Estimated Marginal Means by Feedback and Valence

feedback	valence	emmean	SE	df	lower.CL	upper.CL
Lower Violation	Negative Trait	2.452	3.187	61.339	-3.920	8.824
Verification	Negative Trait	-11.420	2.596	119.078	-16.561	-6.280
Higher Violation	Negative Trait	8.601	2.736	52.570	3.113	14.090
Lower Violation	Positive Trait	17.523	2.937	58.985	11.647	23.399
Verification	Positive Trait	-9.669	2.294	139.846	-14.205	-5.132
Higher Violation	Positive Trait	4.314	2.361	43.640	-0.446	9.075

Table 9: Slope of Feedback by Valence (emtrends)

valence	Feedback Slope	SE	df	lower.CL	upper.CL
Negative Trait	3.109	1.889	43.998	-0.699	6.916
Positive Trait	-6.563	1.827	41.968	-10.251	-2.875

Table 10: Pairwise Comparison of Feedback Slopes by Valence

contrast	estimate	SE	df	t.ratio	p.value
Slope Comparison	9.672	3.099	51.023	3.121	0.003

3.1.3 Main Model Analysis - Continuous Linear Feedback Independent Variable

This model examines the hypothesis of self-enhancement, that is people will prefer a positively violating feedback more than a verifying one, and prefer a verifying feedback over a negatively violating one. Following the model results are the comparison to the quadratic model reported above.

Table 11: Fixed Effects from Linear Model

term	β	std.error	statistic	df	p.value	conf.low	conf.high
Intercept	1.467	1.759	0.834	59.696	0.408	-2.051	4.985
Feedback	-1.752	1.283	-1.365	34.841	0.181	-4.356	0.853
Valence	-1.949	0.849	-2.297	101.316	0.024	-3.632	-0.266
Feedback × Valence	5.033	1.694	2.971	54.550	0.004	1.637	8.429

Table 12: Estimated Marginal Means by Feedback and Valence

feedback	valence	emmean	SE	df	lower.CL	upper.CL
Lower Violation	Negative Trait	-3.764	3.264	56.792	-10.301	2.774
Verification	Negative Trait	-0.482	2.133	54.156	-4.759	3.795
Higher Violation	Negative Trait	2.799	2.790	48.509	-2.808	8.407
Lower Violation	Positive Trait	10.201	3.041	52.694	4.101	16.300
Verification	Positive Trait	3.416	1.762	48.066	-0.127	6.959
Higher Violation	Positive Trait	-3.369	2.413	39.178	-8.249	1.512

Table 13: Slope of Feedback by Valence (emtrends)

valence	Feedback Slope	SE	df	lower.CL	upper.CL
Negative Trait	3.282	2.161	46.740	-1.065	7.629
Positive Trait	-6.785	2.104	44.305	-11.025	-2.544

Table 14: Pairwise Comparison of Feedback Slopes by Valence

contrast	estimate	SE	df	t.ratio	p.value
Slope Comparison	10.066	3.398	54.458	2.962	0.005

3.1.4 Main Model Analysis - Comparing the Quadratic and Linear Main Models

As displayed in Table 15, the Quadratic Model describes the data better than the Linear Model. for that reason, all further analyses were conducted only using the Quadratic Model.

Table 15: Model Comparison: Quadratic vs. Linear

	npar	AIC	BIC	logLik	-2*log(L)	Chisq	Df	Pr(>Chisq)
linear_model	18	13715.08	13809.68	-6839.539	13679.08	NA	NA	NA
quadratic_model	20	13579.34	13684.45	-6769.671	13539.34	139.737	2	0

3.2 Self-Esteem Mediation

Self-esteem was coded into 3 groups as recommended in the literature (Echeburua, 1995; García et al., 2019; Rosenberg, 1965)

Adding self-esteem to the main model did impact the significance of the effect of the Quadratic Feedback term or of the interaction of Valence with the Linear Feedback term, on the desire to retake questionnaires. Yet neither the self-esteem nor any of its interactions yielded a consistent significant effect (across studies) on the desire to retake questionnaires.

Table 16: RSE Group Counts

Group	Count
Low RSE (<26)	10
Medium RSE (26–29)	15
High RSE (>29)	34

Table 17: Descriptive Statistics

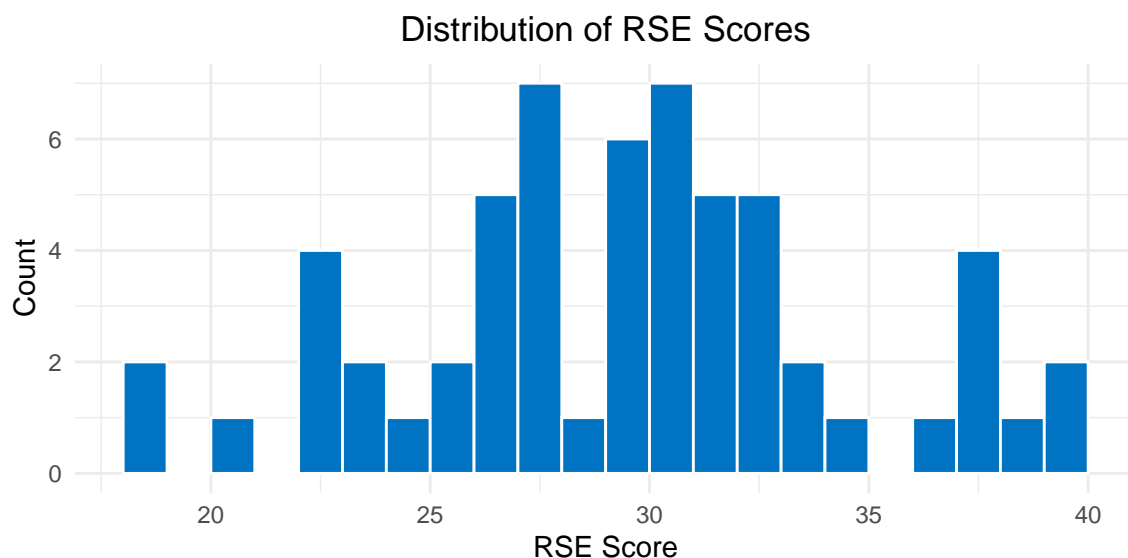| variable	n	min	max	median	q1	q3	iqr	mad	mean	sd	se	ci
rse.score	59	18	40	30	27	33	6	4.448	29.966	5.017	0.653	1.307

Distribution of RSE Scores

Table 18: Fixed Effects from Self-Esteem Model with Quadratic Feedback Term

term	β	SE	t value	df	p.value	conf.low	conf.high
Intercept	-9.858	2.379	-4.145	101.039	0.000	-14.577	-5.140
Feedback (Linear)	-1.958	1.186	-1.651	60.282	0.104	-4.330	0.414
Valence	0.003	1.515	0.002	320.166	0.998	-2.978	2.984
RSE	6.737	3.808	1.769	99.009	0.080	-0.819	14.293
RSE2	-7.145	3.248	-2.200	98.868	0.030	-13.590	-0.700
Feedback (Quadratic)	18.751	1.763	10.639	1275.701	0.000	15.293	22.209
Feedback (L) × Valence	5.725	1.741	3.289	57.628	0.002	2.240	9.210
Feedback (L) × RSE	0.554	1.740	0.318	225.206	0.751	-2.876	3.983
feedback:RSE2	-1.404	1.486	-0.945	225.888	0.346	-4.332	1.525
Valence × RSE	2.317	2.370	0.978	826.197	0.329	-2.336	6.969
valence1:RSE2	-0.289	2.021	-0.143	825.309	0.886	-4.254	3.677
valence1:I(feedback^2)	-2.258	1.762	-1.281	1275.979	0.200	-5.716	1.200
RSE1:I(feedback^2)	-6.855	2.861	-2.396	1267.718	0.017	-12.468	-1.242
RSE2:I(feedback^2)	9.676	2.439	3.967	1276.234	0.000	4.891	14.460
Feedback (L) × Valence × RSE	-1.212	2.706	-0.448	56.126	0.656	-6.632	4.208
feedback:valence1:RSE2	4.559	2.310	1.974	56.186	0.053	-0.068	9.185
valence1:RSE1:I(feedback^2)	0.998	2.861	0.349	1267.375	0.727	-4.615	6.611
valence1:RSE2:I(feedback^2)	-2.992	2.439	-1.227	1275.965	0.220	-7.776	1.793

Table 19: Estimated Marginal Means from Self-Esteem Model

feedback	valence	RSE	emmean	SE	df	lower.CL	upper.CL
Lower Violation	Negative Trait	Low	6.725	7.639	67.040	-8.523	21.973
Verification	Negative Trait	Low	-0.802	6.521	121.248	-13.712	12.109
Higher Violation	Negative Trait	Low	12.942	7.020	63.963	-1.082	26.966
Lower Violation	Positive Trait	Low	13.632	6.926	69.091	-0.184	27.447
Verification	Positive Trait	Low	-5.442	5.772	158.563	-16.841	5.958
Higher Violation	Positive Trait	Low	1.797	5.970	67.016	-10.118	13.713
Lower Violation	Negative Trait	Medium	-1.034	5.822	69.060	-12.650	10.581
Verification	Negative Trait	Medium	-17.289	4.901	121.666	-26.992	-7.586
Higher Violation	Negative Trait	Medium	12.810	5.267	63.080	2.285	23.335
Lower Violation	Positive Trait	Medium	30.603	5.275	70.638	20.085	41.122
Verification	Positive Trait	Medium	-16.718	4.341	158.414	-25.293	-8.144
Higher Violation	Positive Trait	Medium	3.312	4.484	64.489	-5.645	12.269
Lower Violation	Negative Trait	High	2.920	4.096	68.259	-5.253	11.092
Verification	Negative Trait	High	-11.476	3.391	120.714	-18.189	-4.762
Higher Violation	Negative Trait	High	5.462	3.616	59.524	-1.772	12.695
Lower Violation	Positive Trait	High	12.256	3.741	68.597	4.793	19.720
Verification	Positive Trait	High	-7.425	3.010	151.958	-13.371	-1.479
Higher Violation	Positive Trait	High	5.283	3.081	56.521	-0.888	11.453

Table 20: Estimated Marginal Means at the different Self-Esteem levels

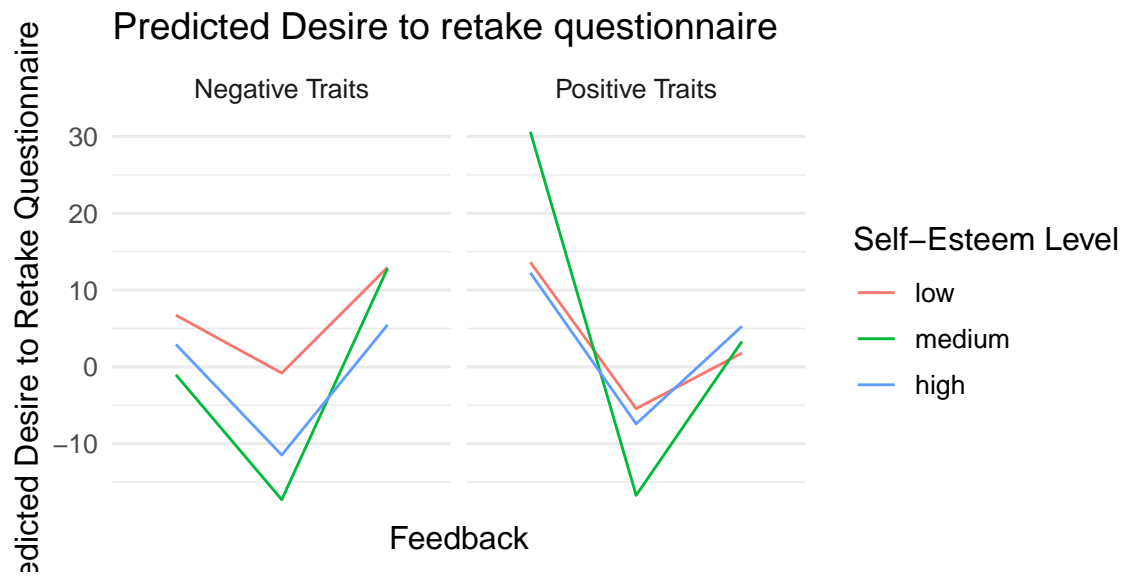| RSE	emmean	SE	df	lower.CL	upper.CL
Low	-3.122	5.219	99.846	-13.477	7.234
Medium	-17.004	3.921	100.312	-24.783	-9.224
High	-9.450	2.708	100.843	-14.822	-4.079

Figure 2: Interaction between Feedback, Valence, and RSE on desire to retake questionnaire. The plot displays predicted data according to modelbased::estimate_relation, and not original data.

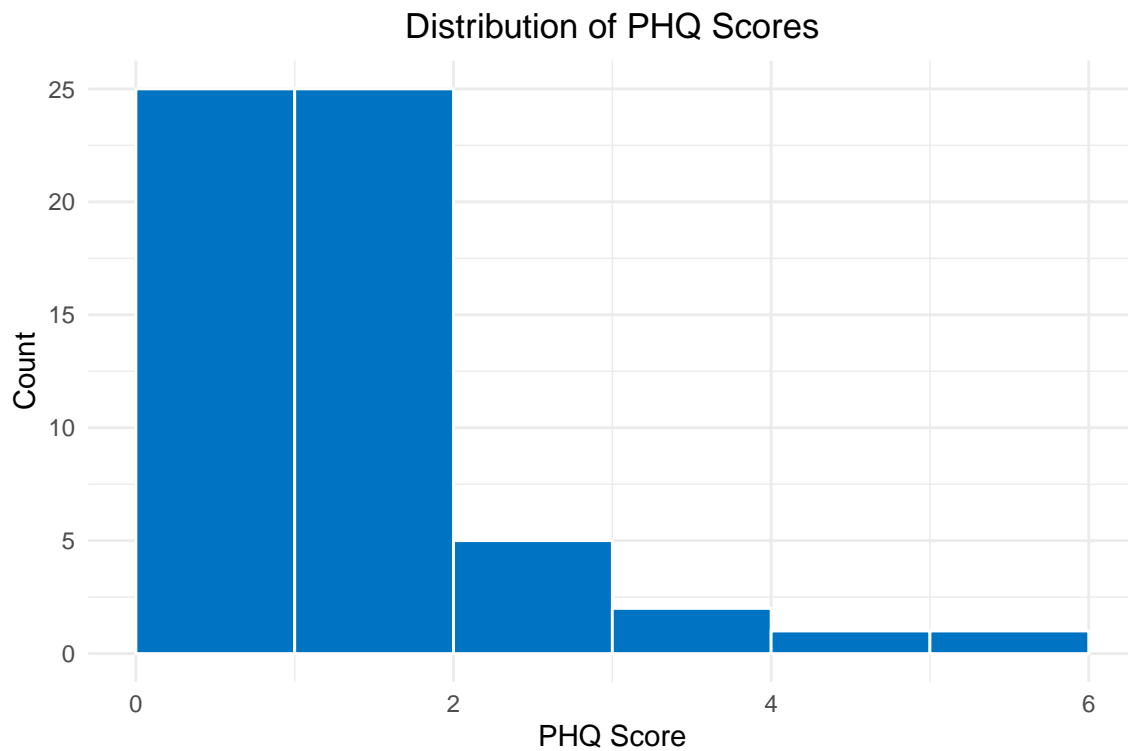## 3.3 Patient Health Questionnaire - 2

PHQ-2 was used as an estimate for depression tendency, yet we did not find enough variance in our sample to analyze relevant results

Table 21: PHQ Group Counts

Group	Count
Low PHQ (<=3)	55
High PHQ (>3)	4

Table 22: Descriptive Statistics

variable	n	min	max	median	q1	q3	iqr	mad	mean	sd	se	ci
phq.score	59	0	6	2	1	2	1	1.483	1.627	1.272	0.166	0.331

Distribution of PHQ Scores

3.4 Trait Centrality Model

For each trait, participants rated how central that trait is to them. Centrality was significantly correlated with trait self-rating

Pearson correlation: r(1414) = 0.53, t = 23.29, p < .001.

Correlation between Self–Rating and Trait Centrality
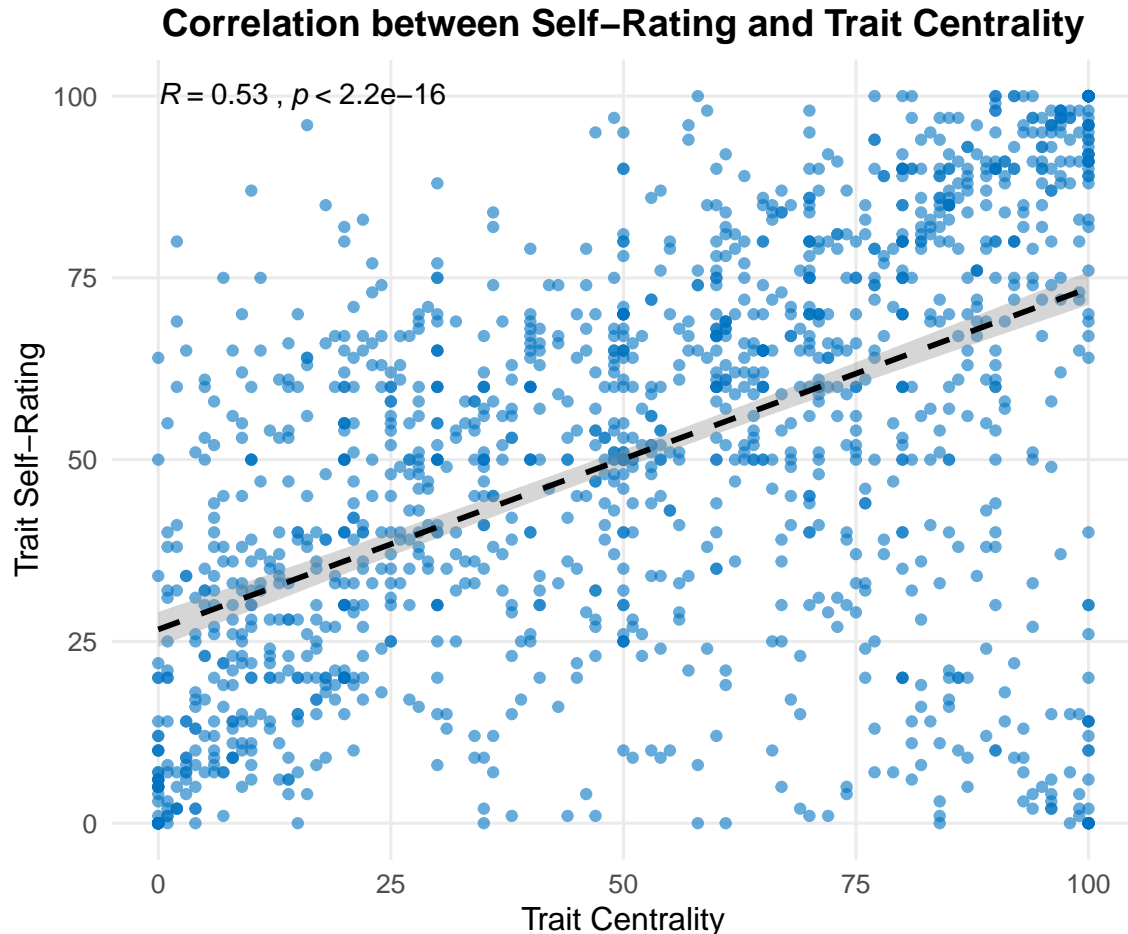
$R = 0.53$, $p < 2.2e{-}16$

Figure 3: Correlation between self-rating and trait centrality

To help the interpretation of the centrality model, we person-mean centered centrality

Examining the main model after adding trait centrality (centered) reveals that that the significant quadratic effect of Feedback and the interaction of Valence with the linear term of Feedback were not removed. Additionally, Centrality has a significant main effect and a significant interaction with the linear term of Feedback. Specifically participants displayed a greater desire to avoid questionnaires that regarded traits that are less central. important to note- the effects of centrality and its interaction were not consistent across studies.

Table 23: Fixed Effects from Centrality Model with Quadratic Feedback Term

term	β	SE	t value	df	p.value	conf.low	conf.high
Intercept	-10.552	2.175	-4.852	131.722	0.000	-14.854	-6.250
Feedback (Linear)	-1.235	1.065	-1.160	69.065	0.250	-3.358	0.889
Valence	1.440	1.500	0.960	421.596	0.338	-1.508	4.388
Centrality (Centered)	0.143	0.046	3.107	1145.952	0.002	0.053	0.233
Feedback (Quadratic)	17.990	1.768	10.175	1297.102	0.000	14.522	21.459
Feedback (L) × Valence	3.761	1.551	2.426	61.020	0.018	0.661	6.862
Feedback (L) × Centrality (C)	-0.080	0.036	-2.206	916.841	0.028	-0.151	-0.009
Valence × Centrality (C)	0.012	0.047	0.256	1124.301	0.798	-0.080	0.104
Feedback (Q) × Valence	-3.314	1.765	-1.878	1292.357	0.061	-6.776	0.149
Feedback (Q) × Centrality (C)	-0.068	0.058	-1.177	1332.489	0.240	-0.182	0.046
Feedback (L) × Valence × Centrality (C)	0.005	0.035	0.133	918.047	0.894	-0.064	0.074
Feedback (Q) × Valence × Centrality (C)	-0.042	0.058	-0.711	1341.524	0.477	-0.156	0.073

Table 24: Estimated Marginal Means: Importance

Centrality	emmean	SE	df	lower.CL	upper.CL
Low (−1 SD)	-14.878	2.673	257.925	-20.141	-9.615
Mean	-10.552	2.179	129.080	-14.863	-6.241
High (+1 SD)	-6.226	2.518	213.795	-11.189	-1.264

Table 25: Estimated Marginal Means: Feedback × Valence × Importance

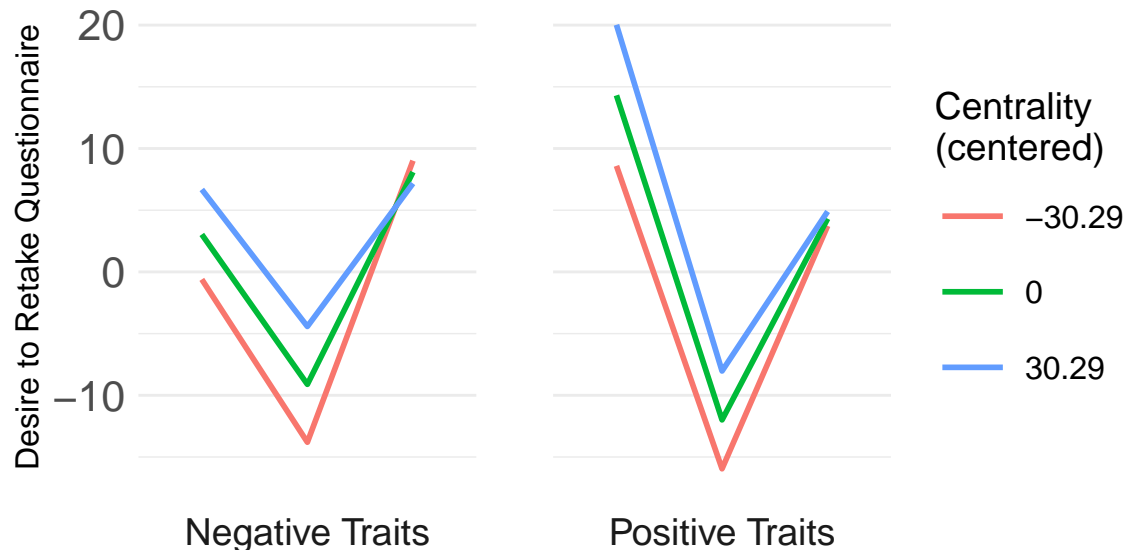| feedback	valence	Centrality	emmean	SE	df	lower.CL	upper.CL
Lower Violation	Negative Trait	Low (−1 SD)	-0.605	3.634	101.967	-7.814	6.603
Verification	Negative Trait	Low (−1 SD)	-13.802	2.734	146.938	-19.205	-8.399
Higher Violation	Negative Trait	Low (−1 SD)	9.015	2.886	61.384	3.244	14.786
Lower Violation	Positive Trait	Low (−1 SD)	8.593	4.558	213.735	-0.392	17.578
Verification	Positive Trait	Low (−1 SD)	-15.954	4.040	567.933	-23.889	-8.018
Higher Violation	Positive Trait	Low (−1 SD)	3.733	3.192	92.857	-2.606	10.073
Lower Violation	Negative Trait	Mean	3.038	3.059	56.974	-3.089	9.164
Verification	Negative Trait	Mean	-9.112	2.716	144.239	-14.480	-3.744
Higher Violation	Negative Trait	Mean	8.092	2.960	68.778	2.185	13.998
Lower Violation	Positive Trait	Mean	14.308	3.076	78.825	8.186	20.430
Verification	Positive Trait	Mean	-11.992	2.581	206.947	-17.080	-6.904
Higher Violation	Positive Trait	Mean	4.316	2.358	43.189	-0.440	9.072
Lower Violation	Negative Trait	High (+1 SD)	6.681	4.078	108.789	-1.401	14.763
Verification	Negative Trait	High (+1 SD)	-4.422	3.833	397.982	-11.958	3.113
Higher Violation	Negative Trait	High (+1 SD)	7.168	4.194	195.474	-1.103	15.439
Lower Violation	Positive Trait	High (+1 SD)	20.023	2.914	61.843	14.199	25.848
Verification	Positive Trait	High (+1 SD)	-8.030	2.419	169.411	-12.806	-3.255
Higher Violation	Positive Trait	High (+1 SD)	4.899	3.280	104.390	-1.604	11.402

Figure 4: Interaction between Feedback, Valence, and Trait Centrality on desire to retake questionnaire. The plot displays predicted data according to ggeffects::ggpredict, not original data.