Supplementary 1 - Study 1

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1 Participant Exclusion

A total of N = 91 participants began the first session of Study 1.
33 participants did not finish the study and were excluded according to pre-registered criteria:

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

- Nine failed comprehension checks.

- Six failed attention checks.

- Two did not return to session 2.

- Two did not understand the instructions as evident by their performance.

The final analysis included N = 58 participants.

Unsuitable self-ratings-

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

- Positive Verification - a feedback similar to the self-rating (self-rating + rand(-5:5)) of a trait self-rated higher than 75.

- Positive Violation - a feedback higher than the self-rating (self-rating + 30 + rand(-5:5)).

- Non-Positive Verification - a feedback similar to the self-rating (self-rating + rand(-5:5)) of a trait self-rated between 35-65.

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

To do so, an eligible participant needed to have:

- at least 4 traits self-rated higher than 75 &

- at least 4 (different) traits self-rated lower than 70 &

- at least 4 (different) traits self-rated between 35 and 65 &

- at least 4 (different) 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 1, positive 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 1 as Stimuli (data from E-millim)

Trait English	Trait Hebrew	N valence	Mean valence	SD valence	N arousal	Mean arousal	SD arousal
brave	אומץ	27	7.890000	1.000000	25	6.080000	2.320000
responsible	אחריות	27	7.040000	1.380000	25	7.040000	2.210000
empathic	אמפטיה	27	7.300000	0.920000	25	5.840000	2.430000
mature	בגרות	32	6.690000	1.640000	33	5.820000	1.890000
decisive	החלטיות	33	7.000000	1.340000	33	5.670000	1.920000
persevering	התמדה	32	7.410000	1.640000	33	5.850000	2.140000
warm	חמימות	27	7.810000	0.940000	25	6.480000	2.120000
diligent	חריצות	27	7.810000	1.150000	25	5.960000	2.550000
honest	יושרה	32	7.780000	1.090000	33	5.820000	2.590000
stable	יציבות	27	7.410000	1.200000	24	5.790000	2.660000
creative	יצירתיות	21	7.810000	1.170000	23	7.000000	1.830000
charismatic	כריזמה	32	7.560000	1.460000	32	6.560000	2.370000
moral	מוסריות	32	7.940000	1.060000	32	6.310000	2.630000
generous	נדיבות	27	8.000000	0.940000	24	5.920000	2.490000
loyal	נאמנות	33	8.000000	1.230000	33	6.270000	2.610000
polite	נימוס	31	7.100000	1.390000	33	5.670000	2.430000
patient	סבלנות	27	7.370000	1.110000	25	5.480000	2.740000
forgiving	סלחנות	31	6.840000	1.340000	33	5.330000	2.380000
spontaneous	ספונטניות	32	7.280000	1.210000	32	5.750000	2.570000
gentle	עדינות	33	7.060000	1.280000	31	4.680000	2.280000
joyful	עליזות	32	7.340000	1.270000	33	5.700000	2.540000
consistent	עקביות	27	6.670000	1.340000	25	5.480000	2.250000
initiative	יוזמה	31	7.260000	1.030000	32	6.880000	1.570000
open	פתיחות	31	6.940000	0.970000	32	6.030000	1.940000
humble	צניעות	33	7.270000	1.440000	33	4.910000	2.070000
calm	רוגע	36	7.777778	1.532712	34	4.705882	2.769197
spiritual	רוחניות	22	6.480000	1.890000	23	5.700000	3.140000
romantic	רומנטיות	33	7.790000	1.230000	33	6.360000	2.160000
rational	רציונאליות	27	6.810000	1.300000	25	5.240000	2.370000
serious	רצינות	32	6.340000	1.540000	33	5.520000	2.180000

Table 2: Trait Questionnaires used in Study 1 as Stimuli

Trait English	Trait Hebrew	Question 1	Question 2	Question 3 (reversed)	Original Length
brave	אומץ	I tend to engage in risky behaviors	It's easy for me to function properly under danger	I try to avoid situations where I might get hurt	95
responsible	אחריות	I will make sure to perform well the tasks entrusted to me	I tend to double-check my actions several times	I try to shake off mistakes I've made	98
empathic	אמפטיה	I often express compassion toward the suffering of others	It's easy for me to recognize others' emotional states	In my opinion, another person's suffering is their own business	96
mature	בגרות	I have a good ability to delay gratification	My life experience guides the way I conduct myself	I find it difficult to embrace a complex worldview	95
decisive	החלטיות	I tend to stick to decisions I've made	I find it easy to make decisions quickly	I find it hard to choose between two similar products	92
persevering	התמדה	It's important to me to finish what I started	I don't tend to give up in the face of difficulty	I tend to switch between tasks to maintain interest	97
warm	חמימות	When I see a crying child, I want to hug them	My loved ones are aware of my feelings toward them	I tend to avoid closeness with people	96
diligent	חריצות	I always try to start working energetically	It's easy for me to settle into tasks even when they're complex	I find it hard to start the day in the morning	97
initiative	יוזמה	It's easy for me to get others on board with my ideas	I tend to take on more than is required	I prefer to work as part of a task that has already been defined	95
honest	יושרה	It's important for me to admit mistakes I've made	I will follow the rules even when no one is watching	I'll cut corners as long as no one gets hurt	96

stable	יציבות	I have frequent mood swings	Many things can easily upset me	I will behave the same way in different situations	94
creative	יצירתיות	It's easy for me to think outside the box	I often interpret information differently from others	I find it hard to come up with new ideas from scratch	93
charismati	כריזמה	People listen to me without me having to try	People tend to place me in a leadership position	I tend to keep my opinions to myself	92
moral	מוסריות	Ethical rules guide my behavior	I tend to notice injustices around me	I find it hard to distinguish between good and bad behavior	97
generous	נדיבות	I tend to help those who ask for help	I try to do more good deeds	I'd rather invest my money than donate it	90
loyal	נאמנות	I'll do anything to help my friends	I want to keep the same friends for life	I'll cut ties with friends who moved abroad	97
polite	נימוס	I make sure to address my elders with respect	It's important for me to conduct myself pleasantly	Sometimes people comment on my behavior	94
patient	סבלנות	It's easy for me to wait patiently for a long period of time	I tend not to get bored easily	It's hard for me when things drag on longer than expected	91
forgiving	סלחנות	It's easy for me to move on after a fight and forget it	I try to understand those who oppose me	I tend to hold a grudge for a long time	98
spontaneous	ספונטניות	I frequently change my daily routine	I'll quickly shift to a new and interesting idea	I find it difficult to cope with changes in plans	99
gentle	עדינות	I show sensitivity to those around me	My courteousness characterizes how I behave	I usually speak relatively loudly without noticing	99

joyful	עליזות	I usually see the glass as half full	Most of the time, my mood is upbeat	I see the world as a gloomy place	90
consistent	עקביות	I tend to repeat similar patterns of behavior	I try to maintain a fixed daily routine	I frequently change my opinions and stances	96
open	פתיחות	I tend to share what's on my heart with others	It's easy for me to accept ideas I hadn't thought of	New situations stress me out	95
humble	צניעות	It's hard for me to take credit for work I've done	I prefer not to receive compliments even after success	I often talk about my successes	96
calm	רוגע	It's easy for me to cope with a stressful situation	I tend to keep my cool in any situation	I struggle to work under time pressure	92
spiritual	רוחניות	I have faith in a higher power	I believe I am part of something greater	I find it hard to believe in things I cannot see	93
romantic	רומנטיות	I will always prefer to go out for intimate meals	When I'm in a relationship, I try to excite and surprise	I will choose a relationship based on rational considerations	97
rational	רציונאליות	I find it difficult to carry out an illogical task	It's important for me to list pros and cons before making a decision	Emotion rules my actions	95
serious	רצינות	It's important for me to keep the commitments I've made	I find it hard to say things without prior thought	I often make fun of myself	91

Note:

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

3 Additional Analyses Unreported in the Paper

3.1 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 not impact the significance of the effect of Feedback or Valence on the desire to retake questionnaires. Yet neither the self-esteem nor its interaction with feedback, with valence or their three-way interaction, had a significant or consistent effect (across studies) effect on the desire to retake questionnaires.

Table 3: RSE Group Counts

Group	Count
Low RSE (<26)	10
Medium RSE (26–29)	17
High RSE (>29)	31

Table 4: Descriptive Statistics

variable	n	min	max	median	q1	q3	iqr	mad	mean	sd	se	ci
rse.score	58	19	39	30	27	34	7	5.93	30.259	4.997	0.656	1.314

Distribution of RSE Scores
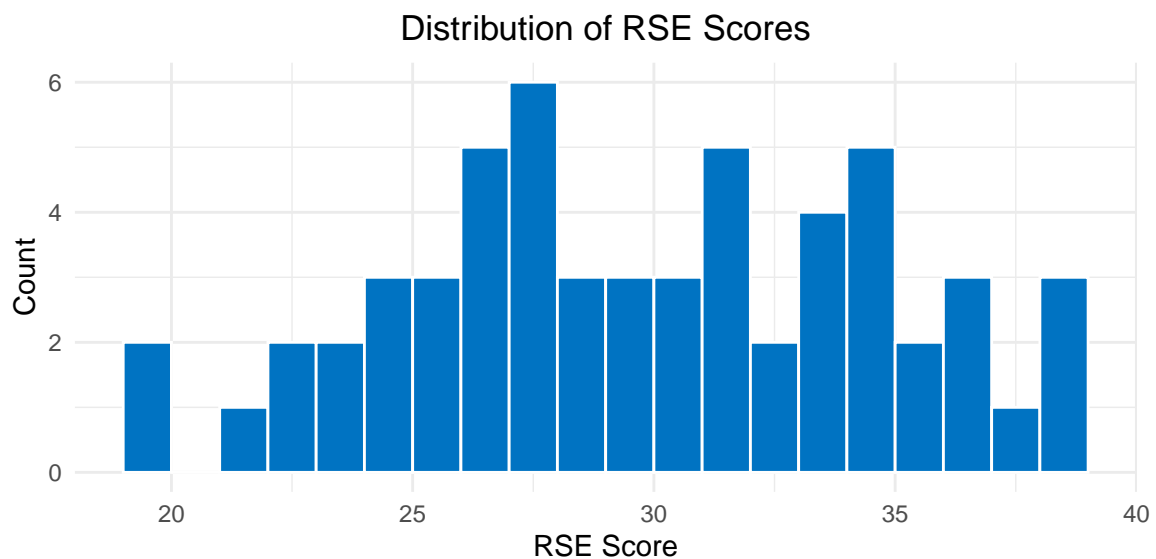
Table 5: Fixed Effects from RSE Model

term	β	SE	t value	df	p.value	conf.low	conf.high
Intercept	1.788	2.548	0.702	55.610	0.486	-3.317	6.893
Feedback	14.155	3.078	4.598	56.081	0.000	7.989	20.322
Valence	7.369	1.887	3.906	43.514	0.000	3.565	11.172
RSE (Medium vs. Low)	2.950	4.045	0.729	55.088	0.469	-5.155	11.056
RSE (High vs. Medium)	-0.341	3.501	-0.097	55.187	0.923	-7.356	6.675
Feedback × Valence	2.162	1.726	1.252	50.303	0.216	-1.306	5.629
Feedback × RSE (Med vs. Low)	-5.833	4.865	-1.199	54.775	0.236	-15.583	3.917
Feedback × RSE (High vs. Med)	-0.229	4.208	-0.054	54.743	0.957	-8.664	8.205
Valence × RSE (Med vs. Low)	1.229	3.008	0.408	54.463	0.685	-4.801	7.258
Valence × RSE (High vs. Med)	-1.403	2.602	-0.539	54.480	0.592	-6.619	3.814
Feedback × Valence × RSE (Med vs. Low)	4.834	2.688	1.798	54.539	0.078	-0.554	10.223
Feedback × Valence × RSE (High vs. Med)	-4.392	2.327	-1.888	54.694	0.064	-9.056	0.271

Table 6: Estimated Marginal Means from Self-Esteem Model

feedback	valence	RSE	emmean	SE	df	lower.CL	upper.CL
Violation	Non-Positive Trait	Low	28.654	9.733	55.786	9.154	48.153
Verification	Non-Positive Trait	Low	-1.983	10.051	55.140	-22.124	18.159
Violation	Positive Trait	Low	-2.533	9.459	54.884	-21.490	16.423
Verification	Positive Trait	Low	-5.185	11.625	54.885	-28.484	18.114
Violation	Non-Positive Trait	Medium	19.108	7.495	55.751	4.092	34.125
Verification	Non-Positive Trait	Medium	-4.282	7.776	54.204	-19.871	11.306
Violation	Positive Trait	Medium	11.638	7.296	54.055	-2.989	26.265
Verification	Positive Trait	Medium	-20.675	8.951	54.358	-38.617	-2.733
Violation	Non-Positive Trait	High	28.658	5.600	54.070	17.431	39.885
Verification	Non-Positive Trait	High	-15.216	5.752	52.793	-26.754	-3.679
Violation	Positive Trait	High	10.134	5.459	51.098	-0.824	21.092
Verification	Positive Trait	High	-26.863	6.625	53.450	-40.148	-13.578

Table 7: Estimated Marginal Means at the different Self-Esteem levels

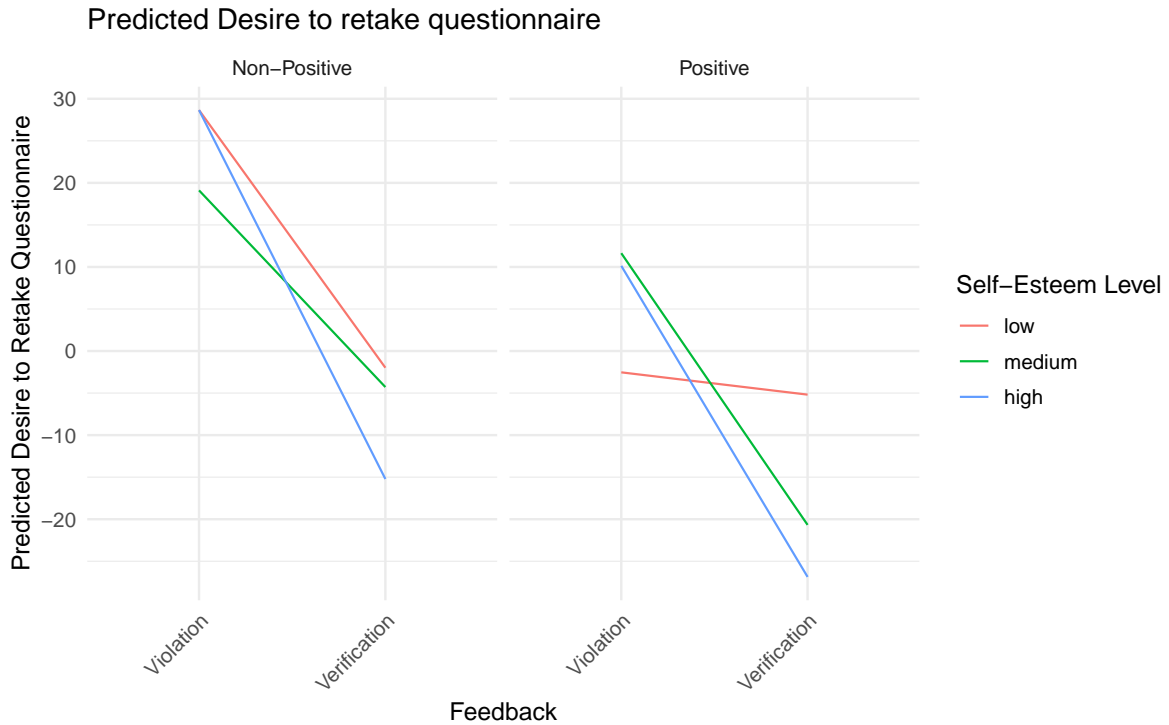| RSE	emmean	SE	df	lower.CL	upper.CL
Low	4.738	5.516	55.167	-6.315	15.791
Medium	1.447	4.251	55.073	-7.072	9.966
High	-0.822	3.155	53.771	-7.149	5.505

Figure 1: 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.

## 3.2 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 8: RSE Group Counts

Group	Count
Low PHQ (<=3)	54
High PHQ (>3)	4

Table 9: Descriptive Statistics

variable	n	min	max	median	q1	q3	iqr	mad	mean	sd	se	ci
phq.score	58	0	6	2	1	2	1	1.483	1.776	1.17	0.154	0.308

Distribution of PHQ Scores
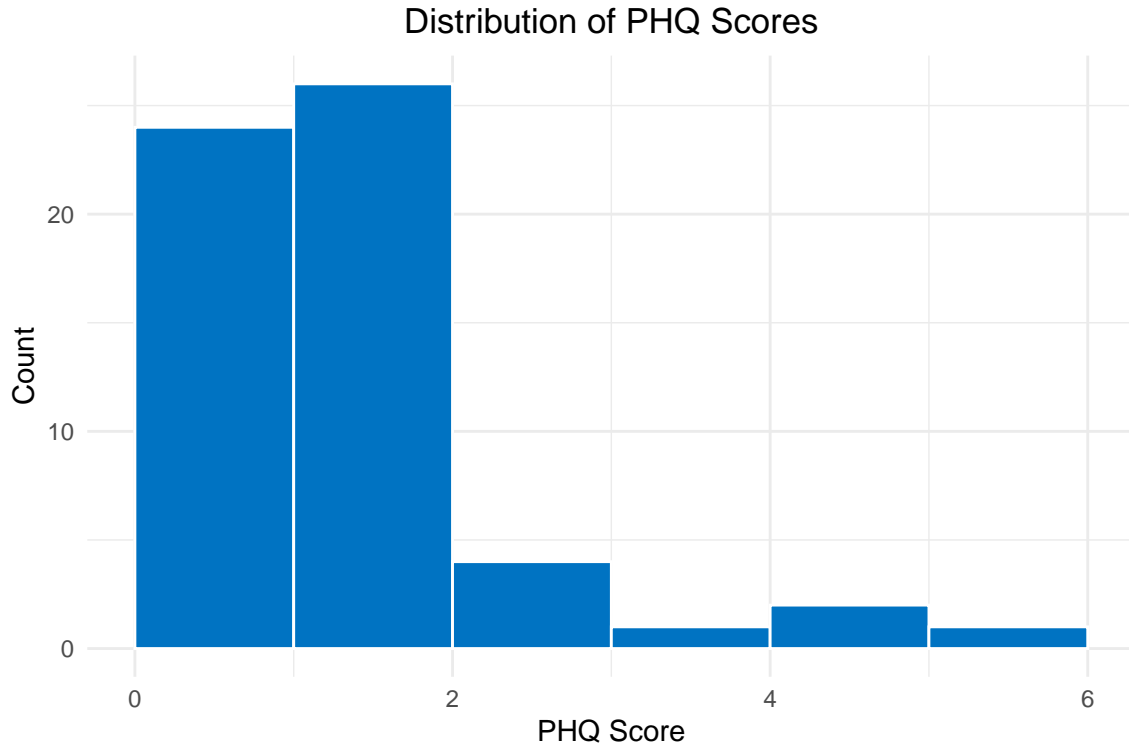
3.3 Trait Centrality Model

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

Pearson correlation: $r(926) = 0.54$, $t = 19.33$, $p < .001$.

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

Adding trait centrality (centered) to the main model did not impact the significance of the effect of Feedback or Valence on the desire to retake questionnaires. Yet neither the trait centrality or its interaction with feedback, with valence or their three-way interaction, had a significant or consistent (across studies) effect on the desire to retake questionnaires.
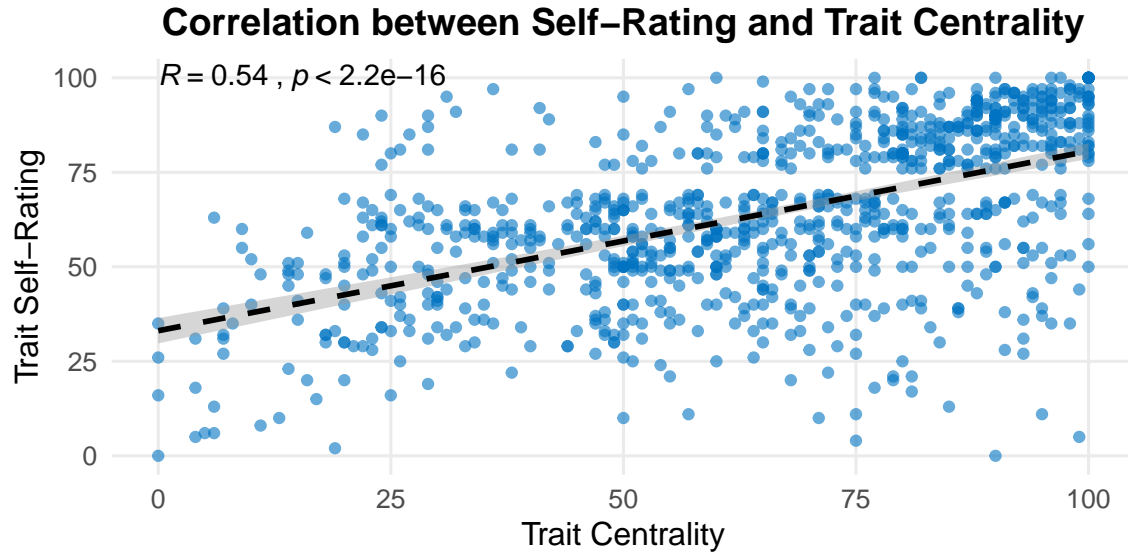
Correlation between Self–Rating and Trait Centrality

R = 0.54 , *p* < 2.2e−16

Figure 2: Correlation between self-rating and trait centrality

Table 10: Fixed Effects from Centrality Model

term	β	SE	t value	df	p.value	conf.low	conf.high
Intercept	1.275	2.208	0.577	55.856	0.566	-3.148	5.698
Feedback	16.292	2.948	5.527	51.152	0.000	10.375	22.209
Valence	7.861	1.726	4.555	71.040	0.000	4.420	11.301
Centrality	-0.005	0.064	-0.075	133.807	0.940	-0.132	0.123
Feedback × Valence	0.856	1.868	0.458	58.020	0.649	-2.883	4.595
Feedback × Centrality	-0.050	0.063	-0.784	86.477	0.435	-0.175	0.076
Valence × Centrality	-0.029	0.072	-0.401	38.240	0.691	-0.175	0.117
Feedback × Valence × Centrality	-0.034	0.072	-0.468	72.874	0.641	-0.178	0.110

Table 11: Estimated Slopes of Centrality Across Feedback and Valence Conditions

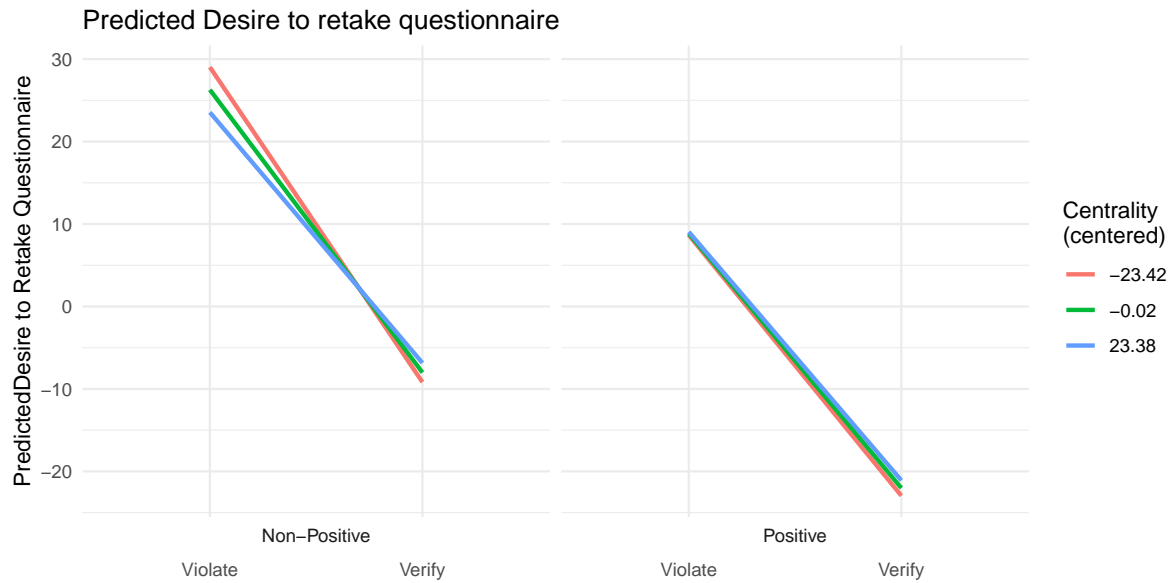| feedback	valence	Slope of Centrality	SE	df	lower.CL	upper.CL
Violation	Non-Positive Trait	-0.117	0.128	42.225	-0.375	0.141
Verification	Non-Positive Trait	0.050	0.163	41.215	-0.279	0.379
Violation	Positive Trait	0.008	0.135	38.053	-0.264	0.281
Verification	Positive Trait	0.040	0.192	28.289	-0.354	0.433

Figure 3: Interaction between Feedback, Valence, and Trait Centrality on desire to retake questionnaire. The plot displays predicted data according to ggeffects::ggpredict, not original data.