

CHAPTER 8: APPENDICES**8.1 APPENDIX A: DESIGN FEATURES OF THE WORD RATING STUDY**

Table A1	<i>Previous Studies that Reported Rating Data for Adjectives</i>	A-2
Table A2	<i>Sample Characteristics in the Word Rating Study by Age Group and Sex</i>	A-3
Table A3	<i>Analyses of Variance for Sample Characteristics in the Word Rating Study by Age Group and Sex</i>	A-3
Table A4	<i>Adjectives in the Word Rating Study</i>	A-4
Table A5	<i>Sample Design in the Word Rating Study</i>	A-6

Table A1

Previous Studies that Reported Rating Data for Adjectives

Study (Original Publication)	#Words	Rating Dimension
Angleitner, Ostendorf, & John (1990)	5160	Clarity of meaning Classification to content categories Number of produced definitions Number of synonyms Usefulness as Personality Descriptor
Busz, Cohen, Poser, Schümer, Schümer, & Sonnenfeld (1972)	880	Conciseness Sympathy
Hager, Mecklenbräuker, Möller, & Westermann (1985)	580	Concreteness Imagery Meaningfulness Valence
Heydecke (1984)	538	Arousal Potency Valence
Klapprott (1972)	338	Amount of Information Clarity of Meaning Difficulty finding a Behavior Description Expected Frequency Social Desirability
Mecklenbräuker, Hager, & Möller (1994)	908	Desirability of Trait for Women Desirability of Trait for Men
Möller & Hager (1991)	452	Concreteness Imagery Meaningfulness Valence
Ostendorf (1990)	823	Knowledge of Words Social Desirability Prototypicality for: <ul style="list-style-type: none"> • Five-Factor Model (Norman) • Circumplex Model (Wiggins) • PEN-Model (Eysenck) • EAP-Model (Osgood)
Schwibbe, Räder, Schwibbe, Borchardt, & Geiken-Pophanken (1994)	400	Arousal Potency Valence
Wentura (2003, personal communication)	187	Self-Other Relevance
Wippich & Bredenkamp (1977)	400	Concreteness Imagery Meaningfulness

Note. All ratings were included in the database of adjectives.

Table A2

Sample Characteristics in the Word Rating Study by Age Group and Sex

	Means				Standard Deviations			
	Young		Old		Young		Old	
	Women	Men	Women	Men	Women	Men	Women	Men
Age (in years)	24.01	24.64	70.53	71.03	2.37	3.11	2.99	3.65
Education (in years)	16.29	15.83	12.92	14.25	2.32	2.12	3.60	3.39
Vocabulary	24.33	25.00	20.50	22.92	2.27	3.49	6.35	4.17
Perceptual Speed	65.42	65.83	45.17	41.33	12.93	11.60	6.79	9.59
Life Satisfaction	4.00	4.08	4.25	4.08	0.74	0.79	0.75	0.79
Subj. Mental Health	4.25	4.00	4.00	4.08	0.62	0.74	-- ^a	0.79
Subj. Physical Health	4.00	4.00	3.83	3.50	0.60	0.74	0.72	0.90

^aAll participants in this group indicated the same value, thus, no standard deviation can be computed.

Table A3

Analyses of Variance for Sample Characteristics in the Word Rating Study by Age Group and Sex

	Age			Sex			Age x Sex		
	<i>F</i>	<i>p</i>	η_p^2	<i>F</i>	<i>p</i>	η_p^2	<i>F</i>	<i>p</i>	η_p^2
Age (in years)	2756.32	<.001	.984	0.41	.525	.009	0.01	.939	<.001
Education (in years)	8.60	.005	.163	0.27	.607	.006	1.12	.295	.025
Vocabulary	5.60	.022	.113	1.52	.225	.033	0.49	.488	.011
Perceptual Speed	54.63	<.001	.554	0.32	.575	.007	0.49	.486	.011
Life Satisfaction	0.32	.577	.007	0.04	.852	.001	0.32	.577	.007
Subj. Mental Health	0.21	.646	.005	0.21	.646	.005	0.85	.360	.019
Subj. Physical Health	2.38	.130	.051	0.60	.445	.013	0.60	.445	.013

Note. All ANOVAs were run with age (young vs. old) and sex (women vs. men) as between-subjects factors. The degrees of freedom for all F-Tests are (1,44). Significant effect sizes ($p < .05$) are shown in bold.

Table A4
Adjectives in the Word Rating Study

German Words	English Translation	German Words	English Translation
abhängig	dependent	deprimiert	depressed
abwesend	pre-occupied	direkt	direct
aggressiv	aggressive	diskret	discreet
akkurat	precise	dominant	dominant
aktiv	active	dumm	dumb
albern	silly	egoistisch	egoistic
alt	old	ehrgeizig	ambitious
amüsiert	amused	ehrlich	honest
analytisch	analytical	eigenwillig	willful
angeekelt	disgusted	einfallslos	unimaginative
angenehm	pleasant	emfülsam	empathic
angepaßt	conformist	einsam	lonely
angeregt	inspired	eitel	vain
angespannt	tense	emotional	emotional
ängstlich	afraid	empfindlich	touchy
arrogant	arrogant	energisch	energetic
attraktiv	attractive	entschlossen	determined
aufbrausend	quick-tempered	entspannt	relaxed
aufgewühlt	agitated	enttäuscht	disappointed
aufmerksam	attentive	erfahren	experienced
ausdauernd	persistent	erfolgreich	successful
ausgeglichen	balanced	erfreut	delighted
autoritär	authoritarian	ernst	serious
bedächtig	deliberate	erschöpft	exhausted
begeistert	enthusiastic	erstaunt	astonished
beharrlich	insistent	feige	cowardly
beherrscht	self-controlled	feindselig	hostile
bekümmert	troubled	fies	nasty
berechnend	calculating	flexibel	flexible
beschämt	ashamed	frech	impudent
bescheiden	modest	friedlich	peaceful
besonnen	level-headed	fröhlich	cheerful
besorgt	worried	frustriert	frustrated
bestimmend	decisive	furchtlos	fearless
boshaft	malicious	furchtsam	frightened
brutal	brutal	gebildet	educated
defensiv	defensive	geduldig	patient
depressiv	depressive	gehemmt	inhibited

(table continued)

Table A4 (continued)

German Words	English Translation	German Words	English Translation
gehorsam	obedient	lahm	lame
geizig	stingy	langsam	slowly
gelangweilt	bored	launisch	moody
gelassen	at ease	lebhaft	lively
gemütlich	comfortable	liberal	liberal
genügsam	modest	listig	wily
gerecht	just	lustig	jovial
gereizt	irritated	mitfühlend	compassionate
geschickt	skilful	moralisch	moral
geschwätzig	gossipy	müde	tired
gesellig	sociable	mutig	brave
gesprächig	talkative	nachgiebig	compliant
gesund	healthy	naiv	naive
gewissenhaft	conscientious	neidisch	jealous
gierig	greedy	nervös	nervous
glücklich	happy	neutral	neutral
grausam	cruel	normal	normal
gründlich	thorough	offen	open-minded
gütig	kind	ordentlich	tidy
harmlos	harmless	passiv	passive
häßlich	ugly	planlos	unsystematic
heiter	bright	praktisch	practical
hektisch	hectic	pünktlich	punctual
hemmungslos	unrestrained	raffiniert	cunning
hilflos	helpless	rastlos	restless
höflich	polite	rational	rational
impulsiv	impulsive	reif	mature
intelligent	intelligent	reizbar	irritable
interessiert	interested	reserviert	reserved
ironisch	ironic	resolut	resolute
irritiert	confused	ruhig	calm
jung	young	sachlich	factual
kämpferisch	belligerent	sanft	gentle
kontrolliert	controlled	scheu	bashful
konzentriert	concentrating	schläfrig	sleepy
kraftvoll	powerful	schüchtern	shy
krank	ill	schuldig	guilty
kreativ	creative	schwach	weak
kritisch	critical	schweigsam	silent

(table continued)

Table A4 (continued)

German Words	English Translation	German Words	English Translation
sehnsüchtig	longing	unnahbar	unapproachable
sensibel	sensitive	unruhig	jittery
sentimental	sentimental	unsicher	unsure
sinnlich	sensual	verärgert	angry
skeptisch	sceptical	vergnügt	pleased
sorgfältig	careful	verlegen	sheepish
spontan	spontaneous	verletzlich	vulnerable
stark	strong	verlogen	mendacious
still	silent	vernünftig	reasonable
stolz	proud	verspielt	pretty
streng	strict	verträumt	dreamy
stur	stubborn	verwirrt	bewildered
subjektiv	subjective	verwöhnt	spoiled
taktvoll	tactful	vorsichtig	cautious
tolerant	tolerant	wach	awake
träge	sluggish	wählerisch	particular
traurig	sad	weich	soft-hearted
treu	loyal	weise	wise
überheblich	contemptuous	zaghaf	timid
überrascht	surprised	zärtlich	tender
umsichtig	prudent	zerstreut	absent-minded
unangenehm	unpleasant	zornig	furious
ungestüm	impetuous	zufrieden	content

Note. Words in bold were used in the experiment.

Table A5

Sample Design in the Word Rating Study

Serial Order	Young Adults		Old Adults		Total
	Women	Men	Women	Men	
1 – 2 — 3 – 4 — 5 – 6	2	1	2	1	6
1 – 2 — 3 – 4 — 6 – 5	1	2	1	2	6
1 – 2 — 4 – 3 — 5 – 6	2	1	2	1	6
1 – 2 — 4 – 3 — 6 – 5	1	2	1	2	6
2 – 1 — 3 – 4 — 5 – 6	1	2	1	2	6
2 – 1 — 3 – 4 — 6 – 5	2	1	2	1	6
2 – 1 — 4 – 3 — 5 – 6	1	2	1	2	6
2 – 1 — 4 – 3 — 6 – 5	2	1	2	1	6
	<i>12</i>	<i>12</i>	<i>12</i>	<i>12</i>	<i>48</i>

Note. 1 = Valence. 2 = Arousal. 3 = Control. 4 = Imagery. 5 = Age-Relevance. 6 = Self-Relevance.

8.2 APPENDIX B: INSTRUCTIONS FOR RATING DIMENSIONS

This appendix consists of the instructions used to describe each word rating dimension in the word rating study and in the experiment. Each instruction consisted of three parts: a name of the dimension, a main instruction for the dimension, and a short instruction above the rating scales. The name of the dimension was depicted at the top of each page dealing with this dimension. This means, the name appeared on the top of the main instruction and on the top of the following eight rating pages. The German label is shown behind the main heading for each dimension. The main instruction gave details about the meaning of each dimension and how to rate each dimension. The general format of each main instruction was adapted from Pavio, Yuille, and Madigan (1968). On the first rating page of each dimension, a short instruction appeared that functioned as a simple reminder of the rating dimension.

In the depicted instructions, format information were generally preserved. This means that words that are presented in bold were also bold in the original instruction. Paragraph breaks were as well preserved. However, to separate paragraphs in the original instruction, paragraphs were separated by an empty line. Moreover, the font was changed to adapt to the format style of this dissertation. The original font throughout all instructions and ratings was 14-point Helvetica.

In the word rating study, the six first-presented rating dimensions were used: valence, arousal, control, imagery, self-relevance, and age-relevance. In the experiment, I used the dimensions of valence, arousal, young-stereotype, old-stereotype, and self-relevance. For the experiment, I replaced the bipolar dimension age-relevance with two unipolar dimensions: young-stereotype and old-stereotype.

8.2.1 Valence – “Angenehmheit”

8.2.1.1 Main Instruction

Wörter können bestimmte Gefühle hervorrufen. So gibt es Wörter, die eher angenehme Gefühle hervorrufen, und ebenso gibt es Wörter, die eher unangenehme Gefühle erzeugen.

Im Folgenden sollen Eigenschaftswörter danach beurteilt werden, **ob sie eher ein angenehmes oder eher ein unangenehmes Gefühl hervorrufen**. Wörter, die eher angenehme Gefühle erzeugen, sollten einen hohen Zahlenwert erhalten. Wörter, die eher unangenehme Gefühle erzeugen, sollten einen niedrigen Zahlenwert erhalten.

Betrachten wir zum Beispiel die Wörter „skrupellos“ und „freundlich“. Das Wort „skrupellos“ wird eher ein unangenehmes Gefühl erzeugen und sollte deshalb einen entsprechend niedrigen Wert erhalten. Das Wort „freundlich“ ist eher mit angenehmen Gefühlen verbunden und sollte daher einen hohen Wert erhalten.

Die Eigenschaftswörter sollen auf einer Skala von 1 bis 7 eingeschätzt werden. Der Skalenwert 1 bedeutet, dass ein Wort sehr unangenehme Gefühle erzeugt. Der Skalenwert 7 bedeutet, dass ein Wort sehr angenehme Gefühle erzeugt. Für Wörter, die zwischen diesen beiden Werten liegen, also

zwischen **sehr unangenehm (1)** und **sehr angenehm (7)**, benutzen Sie bitte die entsprechenden Skalenwerte dazwischen.

Machen Sie bitte Gebrauch von dem gesamten Zahlenbereich von 1 bis 7. Machen Sie sich keine Gedanken darüber, wie oft Sie eine bestimmte Zahl angekreuzt haben, solange die Zahl Ihr persönliches Urteil wiedergibt.

Wenn Ihnen während der Beurteilung Fragen einfallen, lesen Sie bitte die Anweisung noch einmal durch. Falls Sie dann weiterhin Fragen haben, wenden Sie sich bitte an den Versuchsleiter.

8.2.1.2 Rating Instruction

Bitte benutzen Sie die folgende Antwortskala von 1 (*sehr unangenehm*) bis 7 (*sehr angenehm*). Geben Sie bitte für *jedes* der folgenden Wörter an, wie sehr ein angenehmes bzw. unangenehmes Gefühl erzeugt wird.

8.2.2 Arousal – “Entspannung-Anspannung”

8.2.2.1 Main Instruction

Wörter können in unterschiedlichem Ausmaß ein Gefühl der Anspannung oder Entspannung hervorrufen.

Im Folgenden sollen Eigenschaftswörter danach beurteilt werden, **in welchem Ausmaß sie ein Gefühl der Entspannung oder Anspannung hervorrufen**. Eigenschaftswörter, die ein starkes Gefühl der Anspannung auslösen, sollten einen hohen Zahlenwert bekommen. Eigenschaftswörter, die eher ein Gefühl der Entspannung auslösen, sollten eher einen niedrigen Zahlenwert erhalten.

Betrachten wir zum Beispiel die Wörter „teilnahmslos“ und „kriegerisch“. Das Wort „teilnahmslos“ löst eher ein Gefühl der Entspannung und Ruhe aus. Es sollte eher einen niedrigen Wert bekommen. Das Wort „kriegerisch“ löst eher ein Gefühl der Anspannung aus. Dieses Wort sollte einen hohen Wert erhalten.

Die Eigenschaftswörter sollen auf einer Skala von 1 bis 7 eingeschätzt werden. Der Skalenwert 1 bedeutet, dass ein Wort ein starkes Gefühl der Entspannung auslöst. Der Skalenwert 7 bedeutet, dass ein Wort ein starkes Gefühl der Anspannung auslöst. Für Wörter, die zwischen diesen beiden Werten liegen, also zwischen **sehr entspannt (1)** und **sehr angespannt (7)**, benutzen Sie bitte die entsprechenden Skalenwerte dazwischen.

Machen Sie bitte Gebrauch von dem gesamten Zahlenbereich von 1 bis 7. Machen Sie sich keine Gedanken darüber, wie oft Sie eine bestimmte Zahl angekreuzt haben, solange die Zahl Ihr persönliches Urteil wiedergibt.

Wenn Ihnen während der Beurteilung Fragen einfallen, lesen Sie bitte die Anweisung noch einmal durch. Falls Sie dann weiterhin Fragen haben, wenden Sie sich bitte an den Versuchsleiter.

8.2.2.2 Rating Instruction

Bitte benutzen Sie die folgende Antwortskala von 1 (*sehr entspannt*) bis 7 (*sehr angespannt*). Geben Sie bitte für *jedes* der folgenden Wörter an, wie stark ein Gefühl der Entspannung oder Anspannung ausgelöst wird.

8.2.3 Control – “Kontrolle”

8.2.3.1 Main Instruction

Wörter können in unterschiedlichem Ausmaß ein Gefühl der Kontrolle auslösen. Manche Wörter erzeugen ein Gefühl, dass man die Kontrolle über etwas hat, dass man selbstbestimmt ist, dass man „Herr der Lage“ ist. Auf der anderen Seite gibt es Wörter, die eher ein Gefühl auslösen, dass man keine Kontrolle über etwas hat, dass man fremd- oder zufallsbestimmt ist.

Im Folgenden sollen Eigenschaftswörter danach beurteilt werden, **in welchem Ausmaß sie ein Gefühl der Kontrolle hervorrufen**. Wörter, die ein starkes Gefühl der Kontrolle auslösen, sollten einen hohen Zahlenwert erhalten. Wörter, die eher ein Gefühl auslösen, dass man geringe oder keine Kontrolle hat, sollten einen niedrigen Wert erhalten.

Betrachten wir zum Beispiel die Wörter „unterlegen“ und „selbstbewusst“. Das Wort „unterlegen“ löst eher ein Gefühl von keiner oder geringer Kontrolle aus. Es sollte eher einen niedrigen Wert erhalten. Das Wort „selbstbewusst“ löst eher ein Gefühl der starken Kontrolle aus. Dieses Wort sollte einen hohen Wert erhalten.

Die Eigenschaftswörter sollen auf einer Skala von 1 bis 7 eingeschätzt werden. Der Skalenwert 1 bedeutet, dass ein Wort ein Gefühl erzeugt, dass sich beschreiben läßt als „keine Kontrolle haben“. Der Skalenwert 7 bedeutet, dass ein Wort ein Gefühl der starken Kontrolle auslöst. Für Wörter, die zwischen diesen beiden Werten liegen, also zwischen **keine Kontrolle (1)** und **starke Kontrolle (7)**, benutzen Sie bitte die entsprechenden Skalenwerte dazwischen.

Machen Sie bitte Gebrauch von dem gesamten Zahlenbereich von 1 bis 7. Machen Sie sich keine Gedanken darüber, wie oft Sie eine bestimmte Zahl angekreuzt haben, solange die Zahl Ihr persönliches Urteil wiedergibt.

Wenn Ihnen während der Beurteilung Fragen einfallen, lesen Sie bitte die Anweisung noch einmal durch. Falls Sie dann weiterhin Fragen haben, wenden Sie sich bitte an den Versuchsleiter.

8.2.3.2 Rating Instruction

Bitte benutzen Sie die folgende Antwortskala von 1 (*keine Kontrolle*) bis 7 (*starke Kontrolle*). Geben Sie für *jedes* der folgenden Wörter an, wie stark ein Gefühl der Kontrolle ausgelöst wird.

8.2.4 Imagery – “Bildhaftigkeit”

8.2.4.1 Main Instruction

Wörter können in unterschiedlichem Ausmaß bildhafte Vorstellungen von Dingen oder Ereignissen hervorrufen.

Im Folgenden sollen Eigenschaftswörter danach eingestuft werden, **wie leicht oder wie schwer sie bildhafte Vorstellungen hervorrufen können**. Wörter, die leicht und sehr schnell bildhafte Vorstellungen auslösen, erhalten einen hohen Zahlenwert. Wörter, die eher schwer oder überhaupt keine bildhaften Vorstellungen auslösen, erhalten einen niedrigen Wert.

Betrachten wir zum Beispiel die Wörter „unvoreingenommen“ und „dick“. Das Wort „dick“ löst wahrscheinlich ziemlich leicht eine bildhafte Vorstellung aus. Dieses Wort sollte einen hohen Wert erhalten. Das Wort „unvoreingenommen“ löst wahrscheinlich nur sehr schwer eine bildhafte Vorstellung aus. Es sollte deshalb einen niedrigen Wert erhalten.

Die Eigenschaftswörter sollen auf einer Skala von 1 bis 7 eingeschätzt werden. Der Skalenwert 1 bedeutet, dass ein Wort gar keine oder nur mit großer Anstrengung bildhafte Vorstellungen hervorruft. Der Skalenwert 7 bedeutet, dass ein Wort sehr leicht und schnell bildhafte Vorstellungen hervorruft. Liegt das Ausmaß, mit dem ein Wort bildhafte Vorstellungen hervorruft, zwischen diesen beiden Werten, also zwischen **löst sehr schwer bildhafte Vorstellungen aus (1)** und **löst sehr leicht bildhafte Vorstellungen aus (7)**, so benutzen Sie bitte die entsprechenden Skalenwerte dazwischen.

Machen Sie bitte Gebrauch von dem gesamten Zahlenbereich von 1 bis 7. Machen Sie sich keine Gedanken darüber, wie oft Sie eine bestimmte Zahl angekreuzt haben, solange die Zahl Ihr persönliches Urteil wiedergibt.

Wenn Ihnen während der Beurteilung Fragen einfallen, lesen Sie bitte die Anweisung noch einmal durch. Falls Sie dann weiterhin Fragen haben, wenden Sie sich bitte an den Versuchsleiter.

8.2.4.2 Rating Instruction

Bitte benutzen Sie die folgende Antwortskala von 1 (*sehr schwer*) bis 7 (*sehr leicht*). Geben Sie bitte für *jedes* der folgenden Wörter an, wie leicht bzw. schwer das Wort bildhafte Vorstellungen auslöst.

8.2.5 Self-Relevance – “Im Allgemeinen bin ich...”

8.2.5.1 Main Instruction

Eigenschaftswörter dienen auch zur Beschreibung der eigenen Person.

Im Folgenden sollen Sie Eigenschaftswörter danach beurteilen, **wir sehr die Eigenschaft auf Sie persönlich im Allgemeinen zutrifft**. Trifft eine Eigenschaft sehr auf Sie zu, vergeben Sie bitte einen hohen Wert. Trifft eine Eigenschaft gar nicht oder kaum auf Sie zu, dann vergeben Sie bitte eine entsprechende niedrige Zahl.

Die Eigenschaften sollen auf einer Skala von 1 bis 7 eingeschätzt werden. Hierbei bedeutet der Skalenwert 1, dass die Eigenschaft überhaupt nicht auf Sie zutrifft. Der Skalenwert 7 bedeutet, dass die Eigenschaft sehr gut auf Sie zutrifft. Für Wörter, die zwischen diesen beiden Werten liegen, also zwischen **trifft überhaupt nicht zu (1)** und **trifft sehr gut zu (7)**, benutzen Sie bitte die entsprechenden Skalenwerte dazwischen.

Machen Sie bitte Gebrauch von dem gesamten Zahlenbereich von 1 bis 7. Machen Sie sich keine Gedanken darüber, wie oft Sie eine bestimmte Zahl angekreuzt haben, solange die Zahl Ihr persönliches Urteil wiedergibt.

Wenn Ihnen während der Beurteilung Fragen einfallen, lesen Sie bitte die Anweisung noch einmal durch. Falls Sie dann weiterhin Fragen haben, wenden Sie sich bitte an den Versuchsleiter.

8.2.5.2 Rating Instruction

Bitte benutzen Sie die folgende Antwortskala von 1 (*überhaupt nicht*) bis 7 (*sehr gut*). Geben Sie bitte für *jede* der folgenden Eigenschaften an, wie sehr diese Eigenschaft auf Sie persönlich **im Allgemeinen** zutrifft.

8.2.6 Age-Relevance – “Für welche Altersgruppe ist diese Eigenschaft typisch?”

8.2.6.1 Main Instruction

Eigenschaften können mehr oder weniger typisch für bestimmte Altersgruppen sein.

Im Folgenden sollen Eigenschaften danach beurteilt werden, **ob diese Eigenschaften eher typisch für jüngere Erwachsene oder eher typisch für ältere Erwachsene sind**. Mit jüngeren Erwachsenen meinen wir 20-30-Jährige und mit älteren Erwachsenen meinen wir 65-75-Jährige.

Wir würden also gerne von Ihnen erfahren, ob eine Eigenschaft entweder:

- **sehr** typisch für **20-30**-Jährige,
- **eher** typisch für **20-30** -Jährige,
- weder typisch für jüngere oder ältere Erwachsene,
- **eher** typisch für **65-75** -Jährige, oder
- **sehr** typisch für **65-75** -Jährige ist.

Machen Sie sich keine Gedanken darüber, wie oft Sie eine bestimmte Kategorie angekreuzt haben, solange es Ihr persönliches Urteil wiedergibt.

Wenn Ihnen während der Beurteilung Fragen einfallen, lesen Sie bitte die Anweisung noch einmal durch. Falls Sie dann weiterhin Fragen haben, wenden Sie sich bitte an den Versuchsleiter.

8.2.6.2 Rating Instruction

Geben Sie bitte für *jede* der folgenden Eigenschaften an, ob diese Eigenschaft eher typisch für 20-30-Jährige oder 65-75-Jährige ist.

8.2.7 Young-Stereotype – “Was ist typisch für junge Erwachsene?”

8.2.7.1 Main Instruction

Eigenschaften können mehr oder weniger typisch für bestimmte Altersgruppen sein.

Im Folgenden sollen Eigenschaften danach beurteilt werden, **wie typisch diese Eigenschaften für junge Erwachsene sind**. Mit jungen Erwachsenen meinen wir ungefähr 20-30-Jährige.

Die Eigenschaften sollen auf einer Skala von 1 bis 7 eingeschätzt werden. Der Skalenwert 1 bedeutet, dass eine Eigenschaft gar nicht typisch für junge Erwachsene ist. Der Skalenwert 7 bedeutet, dass eine Eigenschaft sehr typisch für junge Erwachsene ist. Für Wörter, die zwischen diesen beiden Werten liegen, also zwischen **gar nicht typisch (1)** und **sehr typisch (7)**, benutzen Sie bitte die entsprechenden Skalenwerte dazwischen.

8.2.7.2 *Rating Instruction*

Was ist typisch für junge Erwachsene?

8.2.8 *Old-Stereotype – “Was ist typisch für ältere Erwachsene?”*

8.2.8.1 *Main Instruction*

Eigenschaften können mehr oder weniger typisch für bestimmte Altersgruppen sein.

Im Folgenden sollen Eigenschaften danach beurteilt werden, **wie typisch diese Eigenschaften für ältere Erwachsene sind**. Mit älteren Erwachsenen meinen wir ungefähr 60-80 Jährige.

Die Eigenschaften sollen auf einer Skala von 1 bis 7 eingeschätzt werden. Der Skalenwert 1 bedeutet, dass eine Eigenschaft gar nicht typisch für ältere Erwachsene ist. Der Skalenwert 7 bedeutet, dass eine Eigenschaft sehr typisch für ältere Erwachsene ist. Für Wörter, die zwischen diesen beiden Werten liegen, also zwischen **gar nicht typisch (1)** und **sehr typisch (7)**, benutzen Sie bitte die entsprechenden Skalenwerte dazwischen.

8.2.8.2 *Rating Instruction*

Was ist typisch für ältere Erwachsene?

8.2 APPENDIX C: WORD CHARACTERISTICS IN THE WORD RATING STUDY

Table C1	<i>Overall Means (SD) in the Word Rating Study</i>	A-13
Table C2	<i>Ratings of Valence in the Word Rating Study by Age Group and Sex</i>	A-18
Table C3	<i>Ratings of Arousal in the Word Rating Study by Age Group and Sex</i>	A-23
Table C4	<i>Ratings of Control in the Word Rating Study by Age Group and Sex</i>	A-28
Table C5	<i>Ratings of Imagery in the Word Rating Study by Age Group and Sex</i>	A-33
Table C6	<i>Ratings of Self-Relevance in the Word Rating Study by Age Group and Sex</i>	A-38
Table C7	<i>Ratings of Age-Relevance in the Word Rating Study by Age Group and Sex</i>	A-43
Figure C1	<i>Scatter Matrix between Dimensions for all Words in the Word Rating Study</i>	A-48
Figure C2	<i>Distribution of Word Frequency Classes</i>	A-49
Figure C3	<i>Distribution of Word Lengths</i>	A-49

Table C1

Overall Means (SD) in the Word Rating Study

	Means						Standard Deviations					
	V	A	C	I	S	A-R	V	A	C	I	S	A-R
abhängig	1.77	5.19	2.06	3.47	2.83	3.53	0.90	1.55	1.66	1.85	1.78	1.04
abwesend	2.98	2.67	2.23	3.92	2.40	3.69	0.89	1.49	1.45	2.13	1.39	0.66
aggressiv	1.42	6.66	3.54	6.00	2.70	2.23	0.82	0.56	1.97	1.38	1.54	0.75
akkurat	5.10	4.44	5.72	4.08	5.00	3.62	1.43	1.61	1.23	1.95	1.43	0.79
aktiv	5.83	5.17	6.17	5.50	5.67	1.77	0.72	1.69	1.14	1.47	1.15	0.76
albern	3.75	2.88	3.65	5.48	3.65	1.85	1.44	1.30	1.66	1.44	2.04	0.77
alt	3.58	3.08	3.25	6.48	3.83	4.79	1.35	1.35	1.77	1.05	2.54	0.46
amüsiert	5.63	2.90	4.27	5.56	4.90	2.58	0.89	1.39	1.44	1.44	1.24	0.92
analytisch	4.58	4.67	5.58	3.00	4.81	2.67	1.51	1.29	1.43	1.82	1.63	0.81
angeekelt	1.48	6.32	2.67	5.66	1.69	3.00	0.71	0.84	1.58	1.76	1.07	0.68
angenehm	6.35	1.60	4.69	4.24	5.53	3.17	0.78	0.87	1.70	1.93	1.14	0.59
angepaßt	3.25	3.98	3.67	2.94	3.79	3.69	1.51	1.47	1.80	1.67	1.66	0.90
angeregt	5.32	4.23	4.63	4.19	5.19	2.48	1.14	1.34	1.14	1.82	0.85	0.71
angespannt	2.60	5.94	4.38	4.31	3.48	2.58	1.23	1.09	1.68	1.55	1.53	0.74
ängstlich	2.46	5.10	2.15	5.40	2.69	3.75	0.87	1.37	1.04	1.47	1.35	0.70
arrogant	2.08	5.65	5.02	5.04	2.52	2.44	1.37	1.25	1.66	1.89	1.66	0.85
attraktiv	6.21	3.48	4.63	6.32	4.83	1.96	0.92	1.57	1.61	0.91	1.22	0.77
aufbrausend	2.35	6.25	3.04	5.06	3.10	2.23	0.98	0.76	1.90	1.97	1.68	0.86
aufgewühlt	3.15	6.04	3.46	4.52	3.50	2.15	1.11	0.90	1.65	1.82	1.52	0.82
aufmerksam	5.83	4.77	5.73	4.65	5.87	2.83	0.95	1.70	1.33	1.64	0.96	0.69
ausdauernd	5.88	4.04	5.65	4.04	5.48	2.67	0.79	1.51	1.18	1.83	1.15	1.04
ausgeglichen	6.37	2.25	5.13	3.65	4.83	3.83	0.84	1.19	1.57	1.72	1.56	0.63
autoritär	2.29	5.58	5.31	5.06	3.29	3.62	1.15	1.13	1.52	1.99	1.92	1.09
bedächtig	4.31	2.85	4.50	3.75	4.27	4.02	1.11	1.18	1.54	1.74	1.50	0.53
begeistert	5.96	4.48	4.33	5.70	5.38	2.06	0.79	1.66	1.62	1.37	1.12	0.75
beharrlich	4.81	4.92	5.23	3.40	4.98	3.19	1.36	1.50	1.36	1.77	1.41	0.89
beherrscht	4.67	3.79	5.09	4.08	4.70	3.71	1.58	1.64	1.57	1.82	1.43	0.54
bekümmert	2.90	5.04	2.85	4.36	3.15	3.67	1.08	1.15	1.01	1.62	1.43	0.69
berechnend	1.85	5.44	5.68	3.23	2.79	2.54	1.01	1.05	1.30	1.96	1.57	1.01
beschämt	2.85	4.57	2.52	4.12	2.71	3.13	1.22	1.48	1.05	1.77	1.25	0.64
bescheiden	4.94	2.79	4.52	3.15	4.33	3.83	1.08	0.88	1.52	1.69	1.40	0.63
besonnen	5.67	2.46	5.25	3.50	5.06	3.79	1.10	1.37	1.51	1.75	1.31	0.65
besorgt	3.58	5.27	4.00	4.70	4.75	3.83	1.28	1.07	1.50	1.91	1.31	0.73
bestimmend	3.31	5.44	5.67	4.38	4.17	3.29	1.34	0.94	1.33	1.79	1.72	1.07
boshaft	1.48	6.00	4.19	4.94	1.71	2.96	0.65	0.87	1.67	2.18	1.15	0.62
brutal	1.08	6.67	3.63	6.04	1.33	2.28	0.28	0.56	2.26	1.64	0.93	0.71
defensiv	2.75	4.02	2.87	3.69	3.25	3.33	1.19	1.62	1.41	1.71	1.49	0.72
depressiv	1.46	4.87	1.85	4.71	2.98	3.50	0.65	1.79	1.18	2.02	1.71	0.94
deprimiert	2.04	4.63	1.98	4.94	2.40	3.37	1.03	1.47	0.89	1.63	1.44	0.96
direkt	4.75	4.23	4.85	3.39	4.94	2.32	1.25	1.40	1.15	1.87	1.31	0.98

(table continued)

Table C1 (continued)

	Means						Standard Deviations					
	V	A	C	I	S	A-R	V	A	C	I	S	A-R
diskret	5.29	3.27	5.10	2.90	5.33	3.65	1.20	1.28	1.22	1.84	1.28	0.60
dominant	2.73	5.77	5.92	5.33	3.69	3.02	1.23	1.22	1.48	1.59	1.69	0.86
dumm	1.88	3.33	2.04	4.94	1.31	2.94	0.84	1.79	1.09	2.04	0.55	0.56
egoistisch	2.10	5.65	5.02	3.85	3.17	2.48	0.99	1.28	1.78	2.05	1.70	1.05
ehrgeizig	4.67	5.28	5.85	3.89	4.77	1.83	1.45	1.45	1.11	1.77	1.56	0.78
ehrlich	6.56	2.64	5.71	3.73	6.19	3.38	0.68	1.26	1.50	1.90	0.82	0.79
eigenwillig	3.71	4.58	4.65	3.44	5.08	3.38	1.43	1.18	1.34	1.78	1.70	1.44
einfalllos	2.02	3.60	2.36	3.04	2.12	3.00	0.78	1.73	1.13	1.65	1.39	0.62
einfühlsam	6.52	2.75	4.83	3.17	6.02	3.44	0.74	1.34	1.33	1.75	0.93	0.68
einsam	2.44	4.02	2.38	5.06	2.92	4.25	1.44	1.76	1.36	1.80	1.89	0.73
eitel	2.77	5.17	4.00	5.38	3.37	2.06	1.19	1.42	1.77	1.73	1.68	0.81
emotional	5.42	4.87	3.26	4.40	4.79	2.52	1.38	1.47	1.74	2.01	1.83	0.85
empfindlich	3.06	4.73	2.69	4.21	4.77	3.35	1.10	1.20	1.29	1.83	1.57	0.81
energisch	5.00	5.38	5.65	4.71	4.85	2.52	1.35	1.16	1.28	1.57	1.30	1.09
entschlossen	5.63	5.08	6.38	4.19	4.90	2.21	1.08	1.60	0.87	2.00	1.52	0.65
entspannt	6.27	1.44	3.63	4.50	5.00	3.46	0.74	0.65	1.72	1.87	1.22	0.92
enttäuscht	2.48	4.98	2.60	4.23	2.67	3.23	0.94	1.26	1.05	1.67	1.39	1.03
erfahren	6.15	2.90	6.02	3.15	4.94	4.40	0.77	1.24	1.00	1.70	1.33	0.57
erfolgreich	5.96	4.33	6.08	5.10	4.96	2.42	1.03	1.48	0.79	1.63	1.18	1.05
erfreut	6.53	3.43	4.46	5.73	5.23	2.75	0.69	1.62	1.44	1.32	1.11	0.67
ernst	4.81	4.77	4.98	4.69	4.79	3.98	1.08	0.90	1.26	1.71	1.43	0.76
erschöpft	3.33	3.19	2.62	5.15	3.17	4.00	1.40	1.82	1.28	1.73	1.58	0.82
erstaunt	4.48	4.29	3.17	5.25	3.83	2.88	0.94	1.38	1.33	1.66	1.39	0.89
feige	1.92	4.85	2.54	4.25	2.33	2.75	0.92	1.49	1.38	1.96	1.04	0.82
feindselig	1.50	6.35	3.85	4.60	1.73	3.00	0.62	0.84	1.68	1.99	1.00	0.55
fies	1.40	5.77	4.04	5.19	2.17	2.77	0.64	1.21	1.93	2.03	1.42	0.72
flexibel	5.54	3.25	5.35	3.23	5.71	2.04	1.24	1.44	1.21	1.77	1.07	0.77
frech	2.96	4.71	4.48	5.63	3.75	1.88	1.49	1.13	1.61	1.47	1.86	0.61
friedlich	6.08	2.02	4.54	5.02	5.96	3.94	1.35	1.04	1.41	1.74	1.09	0.70
fröhlich	6.42	2.17	5.06	6.21	5.44	2.63	0.71	1.42	1.48	0.99	1.22	0.76
frustriert	2.04	5.83	2.38	4.17	2.58	2.98	0.77	1.24	1.44	1.89	1.48	0.96
furchtlos	5.17	3.60	5.17	4.71	4.40	2.17	1.17	1.71	1.54	1.71	1.63	0.86
furchtsam	2.69	5.23	2.50	4.72	2.90	3.62	1.15	1.43	1.32	1.79	1.19	0.70
gebildet	6.40	3.19	5.69	4.19	5.44	3.27	0.76	1.27	1.17	1.94	0.92	0.84
geduldig	5.73	2.35	4.94	3.62	4.73	3.81	0.89	1.28	1.46	1.76	1.44	0.70
gehemmt	2.43	5.04	2.26	3.62	2.44	3.23	0.93	1.34	1.45	1.74	1.58	0.99
gehorsam	3.75	4.69	3.71	4.54	3.21	3.44	1.56	1.87	2.16	1.79	1.43	0.82
geizig	1.81	5.19	4.15	4.81	2.06	3.33	1.12	1.50	1.71	1.93	1.43	0.86
gelangweilt	2.52	2.68	2.81	4.42	2.60	2.38	1.03	1.49	1.12	1.82	1.48	1.14
gelassen	5.81	1.81	4.23	3.67	5.08	3.62	1.00	1.06	1.72	1.87	1.18	0.92

(table continued)

Table C1 (continued)

	Means						Standard Deviations					
	V	A	C	I	S	A-R	V	A	C	I	S	A-R
gemütlich	5.83	1.44	3.90	5.40	5.06	4.10	0.97	0.68	1.73	1.35	1.40	0.78
genügsam	4.21	2.98	4.25	3.48	4.90	3.94	1.30	1.00	1.59	1.90	1.70	0.63
gerecht	6.33	2.85	5.56	3.73	5.79	3.31	0.81	1.46	1.18	2.10	1.01	0.55
gereizt	1.67	6.23	2.94	4.87	2.66	3.10	0.69	0.80	1.49	1.82	1.45	0.86
geschickt	5.94	3.23	5.29	4.23	5.10	2.47	1.08	1.24	1.20	1.64	1.43	0.75
geschwätzig	2.69	4.04	3.50	5.08	3.33	3.33	1.46	1.69	1.61	1.57	1.89	0.93
gesellig	5.60	2.63	4.92	5.54	5.35	2.73	0.94	1.30	1.28	1.62	1.55	1.16
gesprächig	5.06	3.25	4.63	4.71	5.21	3.04	1.08	1.48	1.21	1.89	1.27	0.99
gesund	6.52	2.33	5.00	5.21	5.31	1.81	0.80	1.33	2.07	1.98	1.64	0.82
gewissenhaft	5.73	4.33	5.66	3.38	5.67	3.81	1.28	1.63	1.13	1.84	1.21	0.70
gierig	1.81	6.15	3.34	5.13	2.23	2.21	0.73	0.74	2.01	1.77	1.50	0.71
glücklich	6.79	1.90	4.54	5.87	5.67	3.00	0.54	1.48	1.66	1.59	1.31	0.71
grausam	1.10	6.56	4.06	5.88	1.38	2.79	0.37	0.77	2.36	1.51	0.90	0.50
gründlich	5.48	4.17	5.48	4.00	5.52	3.60	1.17	1.55	1.05	1.90	1.17	0.61
gütig	6.23	2.15	4.90	4.21	5.10	3.96	0.93	1.02	1.59	2.03	1.28	0.66
harmlos	4.46	2.19	3.31	3.32	3.98	3.60	1.37	1.10	1.47	1.95	1.82	0.84
häßlich	2.08	4.54	2.98	6.33	2.27	3.29	1.05	1.17	1.28	1.40	1.48	0.68
heiter	6.06	2.91	4.50	5.60	5.54	2.79	0.75	1.61	1.64	1.45	1.09	0.68
hektisch	2.23	6.25	2.83	5.40	3.17	1.89	0.86	0.86	1.68	1.66	1.73	0.79
hemmungslos	2.79	4.25	2.81	4.96	2.58	2.11	1.58	2.17	1.99	1.93	1.72	0.79
hilflos	2.48	5.45	1.55	4.67	2.02	3.96	1.18	1.26	0.97	1.87	1.10	0.77
höflich	5.94	3.08	4.88	4.77	5.87	3.56	0.91	1.22	1.21	1.56	1.08	0.65
impulsiv	5.23	5.15	3.79	4.58	4.85	1.90	1.35	1.61	1.67	1.93	1.57	0.72
intelligent	6.48	3.50	5.54	4.10	5.62	2.79	0.65	1.58	1.64	2.02	0.94	0.62
interessiert	6.10	4.73	5.94	4.22	6.10	2.40	0.75	1.55	1.08	1.93	1.04	0.92
ironisch	3.87	4.49	4.65	3.63	4.64	2.77	1.58	1.30	1.36	2.15	1.77	1.02
irritiert	3.02	4.90	2.85	4.06	2.42	3.35	1.02	1.34	1.11	1.69	1.27	0.81
jung	5.85	3.54	4.58	6.21	4.08	1.25	1.07	1.40	1.93	1.25	2.49	0.56
kämpferisch	4.83	6.44	5.79	5.92	4.83	1.87	1.29	0.74	1.24	1.30	1.62	0.57
kontrolliert	4.06	5.08	5.06	3.44	4.83	3.54	1.53	1.16	2.19	1.64	1.45	0.80
konzentriert	5.63	5.06	6.21	4.34	5.58	2.63	1.00	1.60	1.09	1.72	1.11	0.94
kraftvoll	5.65	5.19	5.35	5.42	4.71	1.75	0.91	1.50	1.10	1.37	1.43	0.60
krank	2.08	4.63	2.50	5.94	2.44	4.33	1.23	1.45	1.82	1.53	1.67	0.63
kreativ	6.19	3.21	5.06	5.33	5.30	2.17	1.10	1.88	1.55	1.73	1.50	0.76
kritisch	4.85	5.15	5.44	3.33	5.65	3.11	1.52	1.18	1.15	1.62	1.12	1.05
lahm	2.27	2.87	2.29	4.89	1.94	3.85	0.89	1.63	1.17	1.95	1.33	0.71
langsam	3.04	2.54	3.52	5.06	2.60	4.10	1.07	1.50	1.40	1.68	1.48	0.72
launisch	1.92	5.31	2.65	3.96	2.73	3.12	0.82	1.26	1.34	1.90	1.55	1.06
lebhaft	5.90	4.40	4.63	5.50	5.48	1.72	0.90	1.58	1.35	1.27	1.17	0.68
liberal	5.29	2.83	4.29	2.54	4.85	3.08	1.17	1.28	1.49	1.74	1.44	0.87

(table continued)

Table C1 (continued)

	Means						Standard Deviations					
	V	A	C	I	S	A-R	V	A	C	I	S	A-R
listig	2.88	5.21	5.58	4.25	2.42	2.87	1.48	1.33	1.20	1.90	1.40	0.76
lustig	6.21	2.56	4.23	6.00	5.40	2.44	0.77	1.41	1.55	1.43	1.20	0.80
mitfühlend	5.58	3.12	4.75	4.06	5.60	3.58	1.11	1.61	1.54	1.77	1.18	0.89
moralisch	3.48	4.66	4.33	3.15	3.83	3.88	1.24	1.11	1.24	1.74	1.55	0.79
müde	2.92	2.21	2.19	6.08	3.21	4.04	1.07	1.35	1.10	1.14	1.60	0.82
mutig	5.71	4.67	5.38	5.19	4.71	2.25	0.80	1.69	1.33	1.81	1.18	0.84
nachgiebig	3.96	2.77	4.00	3.10	4.33	3.62	1.30	1.02	1.32	1.81	1.48	0.76
naiv	3.50	3.08	2.21	3.36	2.48	2.60	1.32	1.18	1.18	2.18	1.66	0.92
neidisch	1.69	5.29	2.98	4.10	2.33	2.63	0.78	1.20	1.33	1.87	1.34	0.87
nervös	2.06	5.83	2.53	5.04	2.85	2.81	0.84	0.91	1.46	1.53	1.43	0.96
neutral	4.33	3.69	3.77	2.72	4.02	3.35	1.19	0.88	1.15	1.56	1.76	0.70
normal	4.25	3.29	3.92	2.50	4.69	3.17	1.21	1.20	1.22	1.52	1.57	0.66
offen	6.21	2.90	4.50	4.00	5.87	2.29	0.90	1.37	1.43	2.09	1.00	0.99
ordentlich	5.46	3.65	5.46	5.08	4.75	3.65	1.24	1.54	1.24	1.55	1.68	0.76
passiv	2.81	2.79	2.25	3.33	2.72	3.83	0.98	1.58	1.25	1.92	1.23	0.66
planlos	2.35	3.44	2.06	3.74	2.52	2.52	1.21	1.72	1.16	2.09	1.46	0.77
praktisch	5.45	3.75	5.49	3.88	5.00	2.90	1.35	1.10	1.04	1.93	1.75	1.04
pünktlich	5.57	3.67	5.48	4.67	5.25	3.69	1.30	1.72	1.32	2.16	1.92	0.78
raffiniert	4.23	4.83	5.52	3.57	3.13	2.51	1.59	1.19	1.25	1.83	1.66	0.75
rastlos	2.71	5.98	3.52	4.17	3.21	2.12	1.25	1.02	1.49	1.68	1.74	0.79
rational	5.02	3.79	5.52	2.98	5.09	3.04	1.30	1.27	1.38	1.93	1.50	0.92
reif	5.52	2.96	4.83	3.88	5.15	4.04	1.07	1.25	1.53	1.96	1.05	0.80
reizbar	2.21	6.04	3.15	3.58	3.54	2.98	0.92	0.80	1.58	1.99	1.54	1.14
reserviert	3.23	4.00	4.29	3.38	3.23	3.54	1.19	1.22	1.50	1.76	1.80	1.01
resolut	4.83	5.19	5.54	4.40	4.10	3.23	1.34	1.20	1.17	2.07	1.81	1.09
ruhig	5.37	1.79	4.73	4.33	4.98	4.00	1.04	0.90	1.71	1.64	1.41	0.65
sachlich	4.87	3.79	5.79	3.52	5.29	3.21	1.21	1.25	0.90	1.90	1.27	0.90
sanft	6.10	2.08	4.40	4.55	5.17	3.29	0.88	0.94	1.53	1.78	1.51	0.74
scheu	3.77	3.77	2.47	4.60	2.63	3.23	1.24	1.39	1.02	1.61	1.57	0.72
schläfrig	3.13	1.94	2.33	5.65	2.96	3.75	1.28	1.17	1.08	1.59	1.71	0.98
schüchtern	3.69	3.90	2.60	4.65	3.13	2.88	1.03	1.49	1.07	1.55	1.67	0.61
schuldig	2.48	5.96	3.02	3.73	1.73	3.06	1.20	1.05	1.54	2.13	1.09	0.48
schwach	2.73	3.40	2.13	4.85	2.19	3.93	1.05	1.36	1.12	1.64	1.14	0.74
schweigsam	3.56	3.34	4.19	4.56	3.49	3.77	1.25	0.94	1.36	1.67	1.77	0.75
sehnsüchtig	4.77	4.19	2.69	4.25	4.38	2.27	1.31	1.44	1.26	2.08	1.55	1.14
sensibel	5.21	3.30	3.52	3.65	5.49	2.94	1.56	1.27	1.38	1.98	1.27	0.87
sentimental	4.02	3.70	2.73	3.50	4.50	3.52	1.25	1.28	1.09	1.91	1.70	0.82
sinnlich	6.13	3.10	3.69	5.42	5.21	2.33	1.10	1.96	1.53	1.72	1.30	0.93
skeptisch	4.15	4.77	4.73	3.87	4.60	3.49	1.30	1.10	1.25	1.74	1.61	0.80
sorgfältig	5.53	4.48	5.85	3.83	5.52	3.83	1.12	1.65	0.92	1.81	1.18	0.66

(table continued)

Table C1 (continued)

	Means						Standard Deviations					
	V	A	C	I	S	A-R	V	A	C	I	S	A-R
spontan	5.83	3.79	4.15	3.73	5.33	1.65	1.02	1.80	1.58	2.07	1.53	0.67
stark	5.63	4.10	5.90	5.98	4.67	1.88	0.87	1.80	1.31	1.31	1.37	0.94
still	4.35	2.29	3.77	4.68	3.54	3.58	1.19	1.35	1.64	1.96	1.54	0.68
stolz	4.44	3.94	5.04	5.19	4.47	2.98	1.35	1.37	1.22	1.63	1.64	0.86
streng	2.90	5.90	5.60	5.27	3.98	3.79	1.21	0.93	1.16	1.48	1.64	0.54
stur	2.21	5.21	3.85	4.23	3.31	3.87	0.92	1.37	1.79	1.97	1.76	0.77
subjektiv	4.15	3.96	4.09	1.60	4.40	2.92	1.43	1.13	1.36	1.09	1.54	0.82
taktvoll	6.04	3.17	5.19	3.85	5.71	3.75	0.82	1.17	1.35	1.88	1.03	0.79
tolerant	6.23	2.48	5.17	3.27	6.23	2.90	1.24	1.17	1.52	1.93	0.95	1.19
träge	2.13	2.52	2.46	4.15	2.08	3.50	0.84	1.53	1.18	1.97	1.62	1.13
traurig	2.55	3.90	2.34	6.30	2.81	3.60	0.97	1.32	1.15	0.78	1.36	0.68
treu	6.46	2.73	4.71	3.79	5.92	3.85	0.68	1.57	1.56	1.84	1.27	0.71
überheblich	1.81	5.46	3.67	4.45	2.29	2.10	1.10	0.97	1.59	1.81	1.38	0.80
überrascht	4.60	4.27	2.91	5.40	3.35	3.10	0.98	1.33	1.54	1.62	1.38	0.55
umsichtig	5.92	3.52	5.46	3.75	5.60	3.60	0.92	1.40	1.22	1.88	1.16	0.84
unangenehm	1.66	5.11	3.08	3.79	1.98	2.94	0.84	1.43	1.50	1.82	1.23	0.63
ungestüm	3.46	5.00	3.00	5.19	2.85	1.75	1.22	1.49	1.64	1.57	1.61	0.70
unnahbar	2.65	4.77	4.17	4.19	2.96	3.13	1.19	1.31	1.85	1.75	1.72	0.81
unruhig	2.52	5.71	2.94	4.81	3.42	2.52	0.90	0.80	1.52	1.62	1.53	0.85
unsicher	2.58	5.20	2.21	3.91	3.12	3.02	0.89	1.07	1.15	1.75	1.41	1.23
verärgert	2.43	6.10	2.81	5.33	2.40	3.15	0.88	0.72	1.44	1.43	1.14	0.65
vergnügt	6.35	2.50	4.35	6.08	5.42	2.52	0.67	1.50	1.41	1.23	1.20	0.85
verlegen	3.42	4.15	2.69	4.34	2.83	2.73	1.01	1.40	1.15	1.68	1.36	1.16
verletzlich	3.44	4.85	2.49	4.04	4.71	3.25	1.35	1.18	1.28	1.97	1.62	1.00
verlogен	1.33	5.77	3.63	3.29	1.81	2.85	0.56	1.19	1.79	1.87	1.12	0.46
vernünftig	5.23	3.04	5.35	3.29	5.44	3.58	1.15	1.22	1.23	1.62	1.25	0.79
verspielt	4.58	2.52	2.98	5.21	4.04	2.06	1.65	1.29	1.38	1.15	2.08	0.70
verträumt	4.49	2.02	2.58	5.24	4.13	2.42	1.36	1.04	1.30	1.61	1.68	0.92
verwirrt	2.64	4.81	1.92	4.73	1.90	4.02	1.03	1.55	1.18	1.86	1.31	0.73
verwöhnt	2.79	3.53	3.17	3.98	3.00	1.77	1.43	1.32	1.26	1.86	1.77	0.69
vorsichtig	4.50	4.48	4.75	4.27	4.92	4.13	1.24	1.24	1.36	1.77	1.30	0.86
wach	5.92	4.38	5.71	5.08	5.35	2.04	0.87	1.70	1.29	1.84	1.38	0.80
wählerisch	4.17	4.31	5.15	3.72	5.13	2.75	1.31	1.17	1.32	1.81	1.57	1.02
weich	5.17	1.87	2.94	4.90	3.88	3.48	1.46	0.79	1.16	1.93	1.79	0.68
weise	6.38	2.85	5.67	4.52	4.32	4.38	0.84	1.58	1.70	1.92	1.34	0.61
zaghaf	3.33	3.63	2.85	3.77	2.69	3.40	1.10	1.38	1.50	1.53	1.49	1.03
zärtlich	6.35	2.11	4.27	6.08	5.77	2.60	0.81	1.40	1.65	1.23	1.36	0.87
zerstreut	3.08	4.15	1.96	4.70	2.83	4.04	1.11	1.60	1.24	1.59	1.52	0.74
zornig	1.81	6.27	3.40	5.87	2.44	2.71	0.76	0.68	1.67	1.25	1.50	0.71
zufrieden	6.31	1.54	4.77	5.06	5.77	3.35	0.69	0.82	1.72	1.83	1.24	0.78

Note. V = Valence. A = Arousal. C = Control. I = Imagery. S = Self-Relevance. A-R = Age-Relevance.

Table C2

Ratings of Valence in the Word Rating Study by Age Group and Sex

	Means						Standard Deviations						Effect Sizes		
	Young Adults			Older Adults			Young Adults			Older Adults			A	S	AxS
	W	M	O	W	M	O	W	M	O	W	M	O			
abhängig	1.50	1.75	1.63	1.75	2.08	1.92	0.67	0.87	0.77	0.97	1.08	1.02	.03	.03	.00
abwesend	2.92	3.08	3.00	3.00	2.92	2.96	1.08	0.79	0.93	0.85	0.90	0.86	.00	.00	.00
aggressiv	1.08	1.58	1.33	1.17	1.83	1.50	0.29	0.67	0.56	0.58	1.27	1.02	.01	.13*	.00
akkurat	4.08	4.42	4.25	6.08	5.83	5.96	1.38	1.24	1.29	0.79	1.19	1.00	.37***	.00	.02
aktiv	5.75	5.42	5.58	6.33	5.83	6.08	0.45	0.79	0.65	0.78	0.58	0.72	.13*	.10*	.00
albern	4.33	4.75	4.54	3.33	2.58	2.96	1.23	1.29	1.25	1.16	1.08	1.16	.32***	.00	.06
alt	3.67	3.33	3.50	3.92	3.42	3.67	1.07	1.37	1.22	1.62	1.38	1.49	.00	.02	.00
amüsiert	6.08	5.42	5.75	5.50	5.50	5.50	1.08	0.52	0.90	1.09	0.67	0.89	.02	.04	.04**
analytisch	3.25	4.67	3.96	4.92	5.50	5.21	1.06	1.50	1.46	1.31	1.31	1.32	.20**	.14**	.03
angeekelt	1.58	1.83	1.71	1.42	1.08	1.25	0.79	0.72	0.75	0.79	0.29	0.61	.11*	.00	.05
angenehm	6.50	6.42	6.46	6.50	6.00	6.25	0.91	0.67	0.78	0.67	0.85	0.79	.02	.04	.02
angepaßt	2.67	2.42	2.54	4.17	3.75	3.96	0.89	1.08	0.98	1.75	1.55	1.63	.23***	.02	.00
angeregt	5.33	5.42	5.37	4.73	5.75	5.26	0.78	1.08	0.92	1.62	0.87	1.36	.00	.06	.05
angespannt	2.33	2.17	2.25	2.67	3.25	2.96	1.07	0.94	0.99	1.67	0.97	1.37	.09*	.01	.03
ängstlich	2.42	2.25	2.33	2.58	2.58	2.58	0.52	0.75	0.64	0.90	1.24	1.06	.02	.00	.00
arrogant	2.58	2.00	2.29	1.92	1.83	1.88	1.51	0.95	1.27	1.68	1.27	1.45	.02	.02	.01
attraktiv	6.67	6.25	6.46	5.58	6.33	5.96	0.49	0.87	0.72	1.24	0.65	1.04	.08	.01	.11*
aufbrausend	2.92	2.75	2.83	1.67	2.08	1.87	0.90	0.87	0.87	0.89	0.79	0.85	.25***	.01	.03
aufgewühlt	3.25	3.17	3.21	3.00	3.17	3.08	1.29	0.94	1.10	1.35	0.94	1.14	.00	.00	.00
aufmerksam	5.67	5.58	5.63	6.25	5.83	6.04	1.23	1.00	1.10	0.62	0.84	0.75	.05	.02	.01
ausdauernd	5.42	5.75	5.58	6.08	6.25	6.17	0.79	0.62	0.72	0.90	0.62	0.76	.14**	.03	.00
ausgeglichen	6.75	6.25	6.50	6.42	6.08	6.25	0.45	0.97	0.78	0.79	1.00	0.90	.02	.06	.00
autoritär	2.75	2.17	2.46	2.17	2.08	2.12	1.42	0.94	1.22	1.34	0.79	1.08	.02	.02	.01
bedächtig	4.25	3.83	4.04	4.92	4.25	4.58	1.06	0.84	0.96	1.17	1.22	1.21	.06	.06	.00
begeistert	6.08	6.00	6.04	6.00	5.75	5.88	0.79	0.74	0.75	0.85	0.87	0.85	.01	.01	.00
beharrlich	4.25	4.17	4.21	5.33	5.50	5.42	1.22	1.03	1.10	1.61	1.09	1.35	.20**	.00	.00
beherrscht	3.75	3.42	3.58	5.67	5.83	5.75	1.22	1.56	1.38	0.78	0.94	0.85	.49***	.00	.01
bekümmert	2.83	2.50	2.67	3.25	3.00	3.13	1.12	0.67	0.92	1.42	0.95	1.19	.05	.02	.00
berechnend	1.58	2.33	1.96	1.42	2.08	1.75	1.17	0.89	1.08	0.67	1.08	0.94	.01	.13*	.00
beschämt	2.92	2.33	2.63	2.75	3.42	3.08	1.31	0.99	1.17	1.42	1.00	1.25	.04	.00	.07
bescheiden	4.75	5.17	4.96	4.50	5.33	4.92	1.22	1.27	1.23	0.91	0.78	0.93	.00	.09*	.01
besonnen	5.08	5.25	5.17	6.08	6.25	6.17	1.00	1.22	1.09	1.00	0.75	0.87	.21**	.01	.00
besorgt	2.75	3.25	3.00	4.33	4.00	4.17	0.87	1.06	0.98	1.23	1.41	1.31	.22***	.00	.03
bestimmend	2.58	3.17	2.88	3.67	3.83	3.75	1.08	1.03	1.08	1.72	1.19	1.45	.11*	.02	.01
boshaft	1.25	1.83	1.54	1.33	1.50	1.42	0.45	0.72	0.66	0.65	0.67	0.65	.01	.09*	.03
brutal	1.00	1.17	1.08	1.00	1.17	1.08	0.00	0.39	0.28	0.00	0.39	0.28	.00	.09*	.00
defensiv	2.42	2.58	2.50	2.25	3.75	3.00	0.52	0.79	0.66	1.29	1.42	1.53	.06	.14*	.10*
depressiv	1.67	1.25	1.46	1.08	1.83	1.46	0.65	0.45	0.59	0.29	0.84	0.72	.00	.02	.21**
deprimiert	1.92	2.17	2.04	1.75	2.33	2.04	0.79	1.12	0.96	1.06	1.16	1.12	.00	.04	.01
direkt	5.00	4.75	4.88	4.67	4.58	4.63	1.28	1.22	1.23	1.50	1.08	1.28	.01	.00	.00

(table continued)

Table C2 (continued)

Ratings of Valence in the Word Rating Study by Age Group and Sex

	Means						Standard Deviations						Effect Sizes		
	Young Adults			Older Adults			Young Adults			Older Adults			A	S	AxS
	W	M	O	W	M	O	W	M	O	W	M	O			
diskret	4.92	4.50	4.71	6.00	5.75	5.88	1.08	1.24	1.16	0.95	0.97	0.95	.25***	.03	.00
dominant	2.25	2.42	2.33	2.92	3.33	3.13	1.14	0.90	1.01	1.38	1.30	1.33	.11*	.02	.00
dumm	1.75	2.08	1.92	2.17	1.50	1.83	0.75	0.67	0.72	1.12	0.67	0.96	.00	.01	.09*
egoistisch	2.25	2.50	2.38	1.83	1.83	1.83	1.22	0.52	0.92	1.03	1.03	1.01	.08	.00	.00
ehrgeizig	5.08	4.75	4.92	4.33	4.50	4.42	1.38	1.22	1.28	1.78	1.45	1.59	.03	.00	.01
ehrlich	6.75	6.08	6.42	6.83	6.58	6.71	0.62	0.67	0.72	0.39	0.79	0.62	.05	.12*	.03
eigenwillig	3.67	3.25	3.46	4.50	3.42	3.96	1.23	1.36	1.29	1.57	1.38	1.55	.03	.07	.01
einfalllos	1.83	2.00	1.92	2.17	2.08	2.12	0.72	0.95	0.83	0.72	0.79	0.74	.02	.00	.01
einfülsam	6.83	6.17	6.50	6.75	6.33	6.54	0.39	0.84	0.72	0.45	0.99	0.78	.00	.14*	.01
einsam	2.00	1.92	1.96	2.83	3.00	2.92	1.35	1.17	1.23	1.80	1.21	1.50	.11*	.00	.00
eitel	3.33	2.92	3.12	2.42	2.42	2.42	1.30	0.79	1.08	1.17	1.31	1.21	.09*	.01	.01
emotional	6.33	4.75	5.54	5.50	5.08	5.29	0.78	1.42	1.38	1.00	1.73	1.40	.01	.14*	.05
empfindlich	3.08	3.17	3.13	3.33	2.67	3.00	1.24	0.84	1.03	1.37	0.89	1.18	.00	.02	.03
energisch	5.17	4.42	4.79	5.08	5.33	5.21	1.27	1.38	1.35	1.62	1.07	1.35	.03	.01	.04
entschlossen	5.92	5.08	5.50	5.75	5.75	5.75	0.67	1.31	1.10	1.22	0.97	1.07	.01	.04	.04
entspannt	6.50	6.17	6.33	6.25	6.17	6.21	0.80	0.72	0.76	0.62	0.84	0.72	.01	.02	.01
enttäuscht	2.50	2.25	2.37	2.67	2.50	2.58	0.80	0.75	0.77	1.23	1.00	1.10	.01	.01	.00
erfahren	6.17	5.92	6.04	6.17	6.33	6.25	0.72	0.79	0.75	0.94	0.65	0.79	.02	.00	.02
erfolgreich	5.75	5.50	5.62	6.42	6.17	6.29	1.22	1.00	1.10	0.79	0.94	0.86	.11*	.02	.00
erfreut	6.75	6.42	6.58	6.92	6.00	6.48	0.45	0.67	0.58	0.29	0.89	0.79	.01	.22**	.06
ernst	4.58	4.08	4.33	5.25	5.33	5.29	1.00	1.00	1.01	0.97	0.99	0.96	.20**	.01	.02
erschöpft	3.92	3.75	3.83	2.83	2.83	2.83	1.24	1.71	1.47	1.27	1.12	1.17	.13*	.00	.00
erstaunt	4.75	4.58	4.67	4.50	4.08	4.29	1.14	1.24	1.17	0.80	0.29	0.62	.04	.02	.00
feige	1.83	1.83	1.83	2.08	1.92	2.00	0.72	0.94	0.82	1.00	1.08	1.02	.01	.00	.00
feindselig	1.33	1.75	1.54	1.42	1.50	1.46	0.65	0.45	0.59	0.52	0.80	0.66	.00	.04	.02
fies	1.17	1.75	1.46	1.25	1.42	1.33	0.39	0.75	0.66	0.45	0.79	0.64	.01	.09*	.03
flexibel	5.75	5.00	5.37	6.08	5.33	5.71	0.75	1.65	1.31	1.00	1.23	1.16	.02	.10*	.00
frech	3.92	3.58	3.75	2.33	2.00	2.17	1.68	1.38	1.51	0.99	0.95	0.96	.29***	.02	.00
friedlich	6.58	6.08	6.33	5.83	5.83	5.83	0.67	1.44	1.13	1.80	1.27	1.52	.04	.01	.01
fröhlich	6.58	6.42	6.50	6.42	6.25	6.33	0.52	0.67	0.59	0.67	0.97	0.82	.01	.01	.00
frustriert	1.83	1.75	1.79	2.33	2.25	2.29	0.58	0.75	0.66	0.78	0.87	0.81	.11*	.00	.00
furchtlos	5.08	5.08	5.08	5.25	5.25	5.25	0.90	1.17	1.02	1.60	1.06	1.33	.00	.00	.00
furchtsam	2.50	2.50	2.50	3.17	2.58	2.87	1.24	1.00	1.10	1.03	1.31	1.19	.03	.02	.02
gebildet	6.58	6.17	6.38	6.50	6.33	6.42	0.67	0.72	0.71	1.00	0.65	0.83	.00	.04	.01
geduldig	5.58	5.58	5.58	6.17	5.58	5.88	1.00	0.90	0.93	0.58	1.00	0.85	.03	.03	.03
gehemmt	2.36	2.08	2.22	2.67	2.58	2.63	0.67	1.08	0.90	0.89	1.00	0.92	.05	.01	.00
gehorsam	2.75	2.75	2.75	5.00	4.50	4.75	1.29	1.29	1.26	1.21	1.09	1.15	.42***	.01	.01
geizig	1.67	1.92	1.79	2.00	1.67	1.83	0.99	0.79	0.88	1.76	0.78	1.34	.00	.00	.02
gelangweilt	2.25	2.75	2.50	2.75	2.33	2.54	0.75	0.97	0.89	1.06	1.30	1.18	.00	.00	.05
gelassen	6.00	6.00	6.00	5.92	5.33	5.63	1.21	0.74	0.98	0.90	1.07	1.01	.04	.02	.02

(table continued)

Table C2 (continued)

Ratings of Valence in the Word Rating Study by Age Group and Sex

	Means						Standard Deviations						Effect Sizes		
	Young Adults			Older Adults			Young Adults			Older Adults			A	S	AxS
	W	M	O	W	M	O	W	M	O	W	M	O			
gemütlich	5.92	6.08	6.00	5.83	5.50	5.67	1.00	0.67	0.83	1.03	1.17	1.09	.03	.00	.02
genügsam	4.08	4.17	4.13	4.42	4.17	4.29	1.08	1.64	1.36	1.38	1.19	1.27	.00	.00	.00
gerecht	6.17	6.00	6.08	6.58	6.58	6.58	1.03	0.95	0.97	0.52	0.52	0.50	.10*	.00	.00
gereizt	1.58	1.50	1.54	1.83	1.75	1.79	0.52	0.52	0.51	0.94	0.75	0.83	.03	.00	.00
geschickt	5.75	5.58	5.67	5.92	6.50	6.21	0.87	0.90	0.87	1.62	0.52	1.22	.07	.01	.03
geschwätzig	3.58	3.58	3.58	1.67	1.92	1.79	1.62	1.17	1.38	0.99	0.79	0.88	.38***	.00	.00
gesellig	5.42	5.92	5.67	5.83	5.25	5.54	1.24	0.67	1.01	0.58	1.06	0.88	.00	.00	.09*
gesprächig	5.33	5.08	5.21	5.17	4.67	4.92	0.78	1.08	0.93	1.12	1.30	1.21	.02	.03	.00
gesund	6.92	6.08	6.50	6.75	6.33	6.54	0.29	0.90	0.78	0.87	0.78	0.83	.00	.16**	.02
gewissenhaft	5.33	4.83	5.08	6.50	6.25	6.38	1.30	1.47	1.38	0.67	0.87	0.77	.26***	.03	.00
gierig	2.17	1.92	2.04	1.58	1.58	1.58	0.94	0.52	0.75	0.67	0.67	0.65	.10*	.01	.01
glücklich	6.92	6.75	6.83	6.92	6.58	6.75	0.29	0.45	0.38	0.29	0.90	0.68	.01	.05	.01
grausam	1.00	1.17	1.08	1.00	1.25	1.13	0.00	0.39	0.28	0.00	0.62	0.45	.00	.08	.00
gründlich	4.75	4.67	4.71	6.42	6.08	6.25	1.29	0.89	1.08	0.67	0.52	0.61	.45***	.01	.00
gütig	6.25	5.75	6.00	6.83	6.08	6.46	1.06	1.06	1.06	0.39	0.79	0.72	.07	.12*	.01
harmlos	4.42	4.42	4.42	4.67	4.33	4.50	1.78	0.90	1.38	1.37	1.44	1.38	.00	.00	.00
häßlich	1.75	2.00	1.88	2.33	2.25	2.29	0.87	1.04	0.95	1.16	1.14	1.12	.04	.00	.01
heiter	6.08	5.92	6.00	6.17	6.08	6.12	0.90	0.90	0.89	0.58	0.67	0.61	.01	.01	.00
hektisch	2.50	2.42	2.46	1.75	2.25	2.00	1.00	0.79	0.88	0.62	0.87	0.78	.08	.02	.03
hemmungslos	3.67	4.17	3.92	1.50	1.83	1.67	1.23	1.59	1.41	0.67	0.72	0.70	.52***	.04	.00
hilflos	2.58	2.42	2.50	2.25	2.67	2.46	1.51	0.79	1.18	1.55	0.78	1.22	.00	.00	.02
höflich	5.67	5.75	5.71	6.42	5.92	6.17	1.23	0.75	1.00	0.67	0.79	0.76	.07	.01	.03
impulsiv	5.42	5.08	5.25	5.25	5.18	5.22	1.31	1.68	1.48	1.60	0.75	1.24	.00	.01	.00
intelligent	6.58	6.25	6.42	6.67	6.42	6.54	0.52	0.62	0.58	0.65	0.79	0.72	.01	.05	.00
interessiert	6.00	5.92	5.96	6.42	6.08	6.25	0.74	0.67	0.69	0.79	0.79	0.79	.04	.02	.01
ironisch	4.33	4.58	4.46	2.58	4.00	3.29	1.30	1.44	1.35	1.31	1.60	1.60	.16**	.09*	.04
irritiert	3.00	2.92	2.96	3.42	2.75	3.08	0.85	1.00	0.91	1.00	1.22	1.14	.00	.03	.02
jung	6.33	6.00	6.17	5.67	5.42	5.54	0.65	0.85	0.76	1.30	1.24	1.25	.09*	.02	.00
kämpferisch	4.42	4.67	4.54	5.08	5.17	5.12	1.08	1.56	1.32	1.56	0.84	1.23	.05	.00	.00
kontrolliert	3.08	3.42	3.25	4.75	5.00	4.88	1.56	1.51	1.51	1.06	1.13	1.08	.29***	.01	.00
konzentriert	5.25	5.17	5.21	6.17	5.92	6.04	1.06	1.03	1.02	0.84	0.79	0.81	.18**	.01	.00
kraftvoll	5.67	5.25	5.46	5.83	5.83	5.83	1.07	0.87	0.98	0.84	0.84	0.82	.04	.01	.01
krank	2.17	1.83	2.00	1.92	2.42	2.17	1.34	0.72	1.06	1.51	1.31	1.40	.00	.00	.03
kreativ	6.25	5.92	6.08	6.42	6.17	6.29	1.06	1.08	1.06	1.44	0.84	1.16	.01	.02	.00
kritisch	4.25	4.42	4.33	5.25	5.50	5.38	1.36	1.51	1.40	1.77	1.17	1.47	.12*	.00	.00
lahm	2.08	2.42	2.25	2.42	2.17	2.29	0.52	1.08	0.85	1.00	0.94	0.96	.00	.00	.03
langsam	3.00	3.25	3.13	2.92	3.00	2.96	0.85	1.29	1.08	0.90	1.28	1.08	.01	.01	.00
launisch	2.08	2.08	2.08	1.58	1.92	1.75	0.79	0.67	0.72	0.79	1.00	0.90	.04	.01	.01
lebhaft	6.08	5.92	6.00	6.08	5.50	5.79	0.67	1.00	0.83	0.67	1.17	0.98	.01	.04	.01
liberal	5.33	4.42	4.88	6.25	5.17	5.71	1.07	1.00	1.12	0.87	1.03	1.08	.16**	.22**	.00

(table continued)

Table C2 (continued)

Ratings of Valence in the Word Rating Study by Age Group and Sex

	Means						Standard Deviations						Effect Sizes		
	Young Adults			Older Adults			Young Adults			Older Adults			A	S	AxS
	W	M	O	W	M	O	W	M	O	W	M	O			
listig	3.00	2.83	2.92	3.17	2.50	2.83	1.95	0.72	1.44	1.80	1.24	1.55	.00	.02	.01
lustig	6.42	6.50	6.46	6.00	5.92	5.96	0.79	0.52	0.66	1.04	0.52	0.81	.11*	.00	.00
mitfühlend	6.08	5.33	5.71	5.92	5.00	5.46	1.00	0.89	1.00	1.17	1.13	1.22	.01	.15**	.00
moralisch	3.25	3.08	3.17	3.67	3.92	3.79	1.22	1.17	1.17	1.23	1.31	1.25	.07	.00	.01
müde	3.00	3.00	3.00	2.67	3.00	2.83	0.95	1.35	1.14	1.07	0.95	1.01	.01	.01	.01
mutig	5.25	5.58	5.42	6.08	5.92	6.00	0.87	0.79	0.83	0.67	0.67	0.66	.14*	.00	.03
nachgiebig	3.58	3.83	3.71	4.25	4.17	4.21	1.00	1.47	1.23	1.55	1.19	1.35	.04	.00	.00
naiv	3.67	3.75	3.71	3.67	2.92	3.29	1.72	1.29	1.49	0.99	1.17	1.12	.03	.02	.03
neidisch	1.50	1.92	1.71	1.58	1.75	1.67	0.67	0.79	0.75	0.67	0.97	0.82	.00	.04	.01
nervös	2.25	1.92	2.08	1.92	2.17	2.04	0.75	0.79	0.78	1.08	0.72	0.91	.00	.00	.03
neutral	3.58	4.00	3.79	5.00	4.75	4.88	0.90	0.43	0.72	1.60	1.06	1.33	.22**	.00	.02
normal	3.42	3.83	3.63	4.83	4.92	4.88	1.00	0.84	0.92	1.27	1.08	1.15	.28***	.01	.01
offen	6.25	5.92	6.08	6.50	6.17	6.33	0.62	1.17	0.93	0.91	0.84	0.87	.02	.04	.00
ordentlich	4.33	4.92	4.63	6.33	6.25	6.29	1.30	0.79	1.10	0.65	0.75	0.69	.48***	.02	.03
passiv	2.50	2.75	2.63	3.00	3.00	3.00	0.67	0.87	0.77	1.04	1.28	1.14	.04	.00	.00
planlos	2.83	2.67	2.75	1.92	2.00	1.96	1.40	1.07	1.23	1.00	1.21	1.08	.11*	.00	.00
praktisch	5.08	4.92	5.00	6.00	5.83	5.91	1.24	1.78	1.50	0.89	1.12	1.00	.12*	.00	.00
pünktlich	4.67	4.75	4.71	6.45	6.50	6.48	1.50	0.97	1.23	0.52	0.52	0.51	.47***	.00	.00
raffiniert	5.42	5.42	5.42	3.17	2.92	3.04	0.90	1.00	0.93	1.53	0.67	1.16	.57***	.00	.00
rastlos	2.17	2.92	2.54	2.50	3.25	2.88	0.84	1.44	1.22	1.45	1.06	1.30	.02	.09*	.00
rational	3.83	5.08	4.46	5.50	5.67	5.58	1.27	1.00	1.29	0.91	1.23	1.06	.22**	.10*	.06
reif	5.58	5.50	5.54	5.50	5.50	5.50	1.17	0.91	1.02	1.09	1.24	1.14	.00	.00	.00
reizbar	2.25	2.17	2.21	1.75	2.67	2.21	0.75	0.84	0.78	0.87	1.07	1.06	.00	.06	.08
reserviert	2.50	2.83	2.67	3.83	3.75	3.79	0.67	1.12	0.92	1.19	1.22	1.18	.23**	.00	.01
resolut	4.67	4.33	4.50	5.17	5.17	5.17	1.37	0.89	1.14	1.70	1.27	1.47	.06	.00	.00
ruhig	5.25	4.83	5.04	5.58	5.83	5.71	1.29	0.94	1.12	1.08	0.58	0.86	.11*	.00	.03
sachlich	4.08	4.25	4.17	5.36	5.83	5.61	1.00	0.87	0.92	1.21	0.84	1.03	.37***	.03	.01
sanft	6.25	6.17	6.21	6.42	5.58	6.00	0.75	0.72	0.72	0.52	1.24	1.02	.02	.07	.05
scheu	3.50	3.83	3.67	3.92	3.83	3.88	1.17	1.47	1.31	1.24	1.19	1.19	.01	.00	.01
schläfrig	2.92	3.08	3.00	3.73	2.83	3.26	1.17	1.31	1.22	1.62	0.94	1.36	.01	.02	.04
schüchtern	3.92	3.83	3.88	3.67	3.33	3.50	0.79	1.12	0.95	0.89	1.30	1.10	.03	.01	.00
schuldig	2.17	2.17	2.17	2.92	2.67	2.79	0.84	0.72	0.76	1.73	1.23	1.47	.07	.00	.00
schwach	2.33	2.75	2.54	3.25	2.58	2.92	0.78	1.14	0.98	0.87	1.24	1.10	.03	.00	.07
schweigsam	3.08	3.08	3.08	4.00	4.08	4.04	1.24	1.00	1.10	1.48	1.00	1.23	.15**	.00	.00
sehnsüchtig	4.58	5.00	4.79	4.42	5.08	4.75	1.38	1.13	1.25	1.31	1.44	1.39	.00	.04	.00
sensibel	6.25	5.17	5.71	4.92	4.50	4.71	0.75	1.70	1.40	1.44	1.73	1.57	.11*	.07	.01
sentimental	4.67	3.92	4.29	4.08	3.42	3.75	1.16	1.68	1.46	0.52	1.17	0.94	.05	.09*	.00
sinnlich	6.75	6.33	6.54	5.67	5.75	5.71	0.62	0.89	0.78	1.16	1.36	1.23	.15**	.01	.01
skeptisch	3.75	4.00	3.88	4.08	4.75	4.42	1.06	1.21	1.12	1.31	1.55	1.44	.05	.03	.01
sorgfältig	5.17	4.75	4.96	6.27	6.00	6.13	1.27	0.75	1.04	0.79	0.95	0.87	.29***	.03	.00

(table continued)

Table C2 (continued)

Ratings of Valence in the Word Rating Study by Age Group and Sex

	Means						Standard Deviations						Effect Sizes		
	Young Adults			Older Adults			Young Adults			Older Adults			A	S	AxS
	W	M	O	W	M	O	W	M	O	W	M	O			
spontan	6.08	5.67	5.88	6.17	5.42	5.79	0.90	1.23	1.08	0.84	1.00	0.98	.00	.08	.01
stark	5.58	5.42	5.50	5.83	5.67	5.75	0.79	1.00	0.89	1.03	0.65	0.85	.02	.01	.00
still	4.00	4.42	4.21	4.50	4.50	4.50	1.54	1.24	1.38	0.91	1.09	0.98	.01	.01	.01
stolz	4.92	4.67	4.79	3.92	4.25	4.08	1.17	1.44	1.29	1.56	1.14	1.35	.07	.00	.01
streng	3.00	2.50	2.75	2.67	3.42	3.04	1.48	0.80	1.19	1.23	1.17	1.23	.02	.00	.07
stur	2.75	2.17	2.46	1.83	2.08	1.96	1.06	0.72	0.93	0.84	0.90	0.86	.08	.01	.06
subjektiv	4.17	4.08	4.12	5.00	3.33	4.17	1.03	1.38	1.19	1.54	1.37	1.66	.00	.10*	.09*
taktvoll	6.00	5.50	5.75	6.50	6.17	6.33	0.95	0.80	0.90	0.52	0.72	0.64	.14*	.07	.00
tolerant	6.08	6.08	6.08	6.67	6.08	6.38	1.51	0.79	1.18	0.65	1.73	1.31	.01	.01	.01
träge	1.83	2.42	2.12	2.08	2.17	2.12	0.84	0.90	0.90	0.79	0.84	0.80	.00	.04	.02
traurig	2.67	2.67	2.67	1.91	2.92	2.43	1.07	0.78	0.92	0.94	0.90	1.04	.02	.07	.07
treu	6.58	5.83	6.21	6.83	6.58	6.71	0.67	0.72	0.78	0.39	0.52	0.46	.16**	.16**	.05
überheblich	1.75	1.75	1.75	1.83	1.92	1.88	0.75	0.62	0.68	1.40	1.51	1.42	.00	.00	.00
überrascht	5.08	4.67	4.88	4.42	4.25	4.33	1.24	0.89	1.08	0.79	0.87	0.82	.08	.02	.00
umsichtig	5.67	5.33	5.50	6.67	6.00	6.33	0.78	1.16	0.98	0.49	0.60	0.64	.23**	.10*	.01
unangenehm	1.75	1.42	1.58	1.42	2.09	1.74	0.97	0.52	0.78	0.79	0.94	0.92	.01	.01	.09*
ungestüm	3.75	3.50	3.63	3.17	3.42	3.29	1.42	1.38	1.38	1.12	1.00	1.04	.02	.00	.01
unnahbar	2.83	2.50	2.67	2.67	2.58	2.63	1.34	1.09	1.20	0.99	1.44	1.21	.00	.01	.00
unruhig	2.25	2.33	2.29	2.50	3.00	2.75	0.62	0.49	0.55	1.09	1.13	1.11	.07	.03	.01
unsicher	2.42	2.42	2.42	2.83	2.67	2.75	0.90	0.79	0.83	1.12	0.78	0.94	.04	.00	.00
verärgert	2.33	2.00	2.17	2.64	2.75	2.70	0.49	0.43	0.48	1.03	1.22	1.11	.09*	.00	.02
vergnügt	6.67	6.25	6.46	6.50	6.00	6.25	0.49	0.62	0.59	0.52	0.85	0.74	.03	.12*	.00
verlegen	3.58	3.58	3.58	3.25	3.25	3.25	1.00	1.08	1.02	1.14	0.87	0.99	.03	.00	.00
verletzlich	3.75	3.50	3.63	3.50	3.00	3.25	1.36	1.45	1.38	1.38	1.28	1.33	.02	.02	.00
verlogen	1.17	1.58	1.38	1.25	1.33	1.29	0.39	0.67	0.58	0.45	0.65	0.55	.01	.05	.02
vernünftig	4.50	5.08	4.79	5.50	5.83	5.67	1.24	1.00	1.14	1.17	0.84	1.01	.15**	.05	.00
verspielt	5.75	5.75	5.75	3.92	2.92	3.42	0.62	0.75	0.68	1.62	1.24	1.50	.54***	.05	.05
verträumt	5.17	5.00	5.09	4.33	3.50	3.92	1.59	1.10	1.35	0.99	1.17	1.14	.20**	.04	.02
verwirrt	2.75	3.17	2.96	2.36	2.25	2.30	0.87	1.03	0.96	1.12	0.97	1.02	.10*	.01	.02
verwöhnt	2.83	2.83	2.83	2.75	2.75	2.75	1.75	1.40	1.55	1.55	1.14	1.33	.00	.00	.00
vorsichtig	4.42	3.92	4.17	4.83	4.83	4.83	1.17	1.08	1.13	1.59	0.94	1.27	.08	.01	.01
wach	5.83	5.58	5.71	6.42	5.83	6.13	0.94	1.00	0.96	0.52	0.84	0.74	.06	.06	.01
wählerisch	4.17	3.67	3.92	4.25	4.58	4.42	1.70	1.07	1.41	1.29	1.08	1.18	.04	.00	.03
weich	5.83	5.25	5.54	5.75	3.83	4.79	1.34	0.97	1.18	1.14	1.53	1.64	.09*	.21**	.07
weise	6.50	6.42	6.46	6.67	5.92	6.29	0.67	0.79	0.72	0.49	1.17	0.96	.01	.07	.04
zaghaf	3.58	3.42	3.50	3.25	3.08	3.17	1.31	1.17	1.22	1.06	0.90	0.96	.02	.01	.00
zärtlich	6.67	6.50	6.58	6.08	6.17	6.13	0.65	0.67	0.65	0.90	0.94	0.90	.08	.00	.01
zerstreut	3.17	3.25	3.21	2.92	3.00	2.96	1.12	1.36	1.22	0.90	1.13	1.00	.01	.00	.00
zornig	1.83	1.83	1.83	1.67	1.92	1.79	0.84	0.84	0.82	0.78	0.67	0.72	.00	.01	.01
zufrieden	6.50	6.17	6.33	6.50	6.08	6.29	0.67	0.72	0.70	0.67	0.67	0.69	.00	.08	.01

Note. Effect sizes were partial eta-squareds (η_p^2). W = Women. M = Men. O = Overall. A = Age. S = Sex.

* $p < .05$. ** $p < .01$. *** $p < .001$.

Table C3

Ratings of Arousal in the Word Rating Study by Age Group and Sex

	Means						Standard Deviations						Effect Sizes		
	Young Adults			Older Adults			Young Adults			Older Adults			A	S	AxS
	W	M	O	W	M	O	W	M	O	W	M	O			
abhängig	6.00	5.58	5.79	4.50	4.64	4.57	1.41	1.38	1.38	1.45	1.63	1.50	.16**	.00	.01
abwesend	2.83	2.50	2.67	3.08	2.25	2.67	1.47	1.31	1.37	1.88	1.29	1.63	.00	.04	.01
aggressiv	6.67	6.50	6.58	6.83	6.64	6.74	0.65	0.67	0.65	0.39	0.51	0.45	.02	.03	.00
akkurat	5.17	4.67	4.92	3.83	4.08	3.96	1.12	1.23	1.18	2.04	1.73	1.85	.09*	.00	.01
aktiv	4.67	4.92	4.79	5.42	5.67	5.54	1.83	1.56	1.67	2.11	1.16	1.67	.05	.01	.00
albern	2.17	2.58	2.38	3.42	3.33	3.38	1.12	1.08	1.10	1.08	1.56	1.31	.15**	.00	.01
alt	2.75	2.75	2.75	3.67	3.17	3.42	1.71	0.97	1.36	1.37	1.19	1.28	.06	.01	.01
amüsiert	2.50	3.00	2.75	3.33	2.75	3.04	1.24	1.48	1.36	1.67	1.14	1.43	.01	.00	.04
analytisch	4.58	4.83	4.71	4.50	4.75	4.63	1.24	1.34	1.27	1.38	1.36	1.35	.00	.01	.00
angeekelt	6.58	6.00	6.29	6.08	6.64	6.35	0.90	0.85	0.91	0.90	0.51	0.78	.00	.00	.12*
angenehm	1.50	1.50	1.50	1.42	2.00	1.71	0.80	0.67	0.72	0.67	1.21	1.00	.02	.03	.03
angepaßt	4.75	4.58	4.67	2.58	4.00	3.29	0.97	1.17	1.05	1.17	1.54	1.52	.26***	.07	.10*
angeregt	4.33	4.17	4.25	3.92	4.50	4.21	1.61	1.27	1.42	1.31	1.24	1.29	.00	.01	.02
angespannt	6.25	6.33	6.29	5.42	5.73	5.57	0.87	0.89	0.86	1.38	1.01	1.20	.11*	.01	.00
ängstlich	5.50	5.50	5.50	5.42	4.00	4.71	0.91	1.31	1.10	1.24	1.48	1.52	.10*	.08	.08
arrogant	5.33	5.67	5.50	6.00	5.58	5.79	1.50	1.30	1.38	0.85	1.31	1.10	.01	.00	.02
attraktiv	2.75	3.42	3.08	3.50	4.25	3.88	1.29	1.62	1.47	1.38	1.77	1.60	.07	.06	.00
aufbrausend	6.17	5.75	5.96	6.58	6.50	6.54	0.72	0.97	0.86	0.52	0.52	0.51	.16**	.03	.01
aufgewühlt	6.00	5.67	5.83	6.08	6.42	6.25	0.74	1.07	0.92	0.79	0.90	0.85	.06	.00	.04
aufmerksam	4.08	4.33	4.21	5.08	5.64	5.35	1.56	1.30	1.41	2.19	1.29	1.80	.12*	.02	.00
ausdauernd	4.42	4.25	4.33	3.33	4.17	3.75	1.56	1.22	1.37	1.44	1.75	1.62	.04	.01	.03
ausgeglichen	1.67	2.42	2.04	2.42	2.50	2.46	0.99	1.24	1.16	1.24	1.24	1.22	.03	.03	.02
autoritär	5.17	5.75	5.46	5.50	5.92	5.71	0.94	0.97	0.98	1.68	0.67	1.27	.01	.05	.00
bedächtig	2.92	2.92	2.92	2.50	3.08	2.79	1.44	1.08	1.25	0.91	1.31	1.14	.00	.02	.02
begeistert	4.50	4.08	4.29	4.75	4.58	4.67	1.38	1.78	1.57	1.77	1.83	1.76	.01	.01	.00
beharrlich	5.42	4.67	5.04	4.83	4.75	4.79	0.90	1.61	1.33	1.64	1.77	1.67	.01	.02	.01
beherrscht	4.83	4.17	4.50	3.08	3.08	3.08	1.19	1.80	1.53	1.62	1.31	1.44	.19**	.01	.01
bekümmert	5.33	5.08	5.21	5.67	4.08	4.88	1.23	0.67	0.98	0.99	1.08	1.30	.03	.18**	.11*
berechnend	5.92	5.17	5.54	5.17	5.50	5.33	0.90	1.03	1.02	1.19	1.00	1.09	.01	.01	.07
beschämt	4.83	4.75	4.79	4.75	3.91	4.35	1.34	1.49	1.38	1.42	1.70	1.58	.03	.03	.02
bescheiden	3.09	2.67	2.87	2.67	2.75	2.71	0.70	0.89	0.82	0.89	1.06	0.96	.01	.01	.02
besonnen	2.50	2.42	2.46	1.92	3.00	2.46	1.31	1.08	1.18	0.79	1.95	1.56	.00	.04	.05
besorgt	5.58	5.25	5.42	5.08	5.17	5.13	1.17	0.87	1.02	1.00	1.27	1.12	.02	.00	.01
bestimmend	5.42	5.25	5.33	5.83	5.25	5.54	1.00	0.75	0.87	0.84	1.14	1.02	.01	.04	.01
boshaft	6.33	5.92	6.13	6.00	5.75	5.87	0.99	0.67	0.85	0.74	1.06	0.90	.02	.04	.00
brutal	6.83	6.42	6.62	6.83	6.58	6.71	0.39	0.79	0.65	0.39	0.52	0.46	.01	.09*	.01
defensiv	4.33	4.08	4.21	3.58	4.09	3.83	1.30	1.51	1.38	1.88	1.87	1.85	.01	.00	.01
depressiv	5.08	5.33	5.21	5.00	4.00	4.52	1.62	1.50	1.53	2.09	1.84	2.00	.04	.01	.03
deprimiert	4.58	4.92	4.75	4.83	4.17	4.50	1.38	1.44	1.39	1.80	1.27	1.56	.01	.00	.03
direkt	3.83	4.67	4.25	4.00	4.42	4.21	1.47	1.37	1.45	1.48	1.31	1.38	.00	.05	.01

(table continued)

Table C3 (continued)

Ratings of Arousal in the Word Rating Study by Age Group and Sex

	Means						Standard Deviations						Effect Sizes		
	Young Adults			Older Adults			Young Adults			Older Adults			A	S	AxS
	W	M	O	W	M	O	W	M	O	W	M	O			
diskret	3.83	3.33	3.58	2.83	3.08	2.96	1.12	1.44	1.28	1.34	1.17	1.23	.06	.00	.02
dominant	6.08	5.50	5.79	5.58	5.92	5.75	1.00	0.91	0.98	1.51	1.44	1.45	.00	.00	.04
dumm	2.83	3.75	3.29	3.58	3.17	3.38	1.47	1.82	1.68	1.98	1.95	1.93	.00	.00	.04
egoistisch	5.75	6.08	5.92	6.08	4.67	5.38	1.22	0.79	1.02	1.08	1.50	1.47	.05	.05	.13*
ehrgeizig	5.25	5.25	5.25	5.17	5.45	5.30	1.42	1.14	1.26	1.75	1.64	1.66	.00	.00	.00
ehrlich	2.67	2.58	2.63	2.50	2.82	2.65	1.23	0.79	1.01	1.09	1.89	1.50	.00	.00	.01
eigenwillig	4.33	4.33	4.33	4.58	5.08	4.83	0.99	1.23	1.09	1.56	0.79	1.24	.05	.01	.01
einfalllos	3.33	4.17	3.75	4.17	2.75	3.46	1.50	1.90	1.73	1.70	1.60	1.77	.01	.01	.11*
einfühlsam	2.00	2.58	2.29	3.00	3.42	3.21	0.85	1.44	1.20	1.41	1.31	1.35	.12*	.04	.00
einsam	4.67	4.17	4.42	4.08	3.17	3.62	1.83	1.27	1.56	1.98	1.75	1.88	.05	.04	.00
eitel	5.17	5.58	5.37	4.75	5.17	4.96	1.19	1.31	1.25	1.82	1.34	1.57	.02	.02	.00
emotional	4.25	4.58	4.42	5.00	5.67	5.33	1.55	1.62	1.56	1.54	0.78	1.24	.10*	.03	.00
empfindlich	4.83	5.00	4.92	4.42	4.67	4.54	1.03	1.21	1.10	1.24	1.37	1.29	.02	.01	.00
energisch	5.50	5.25	5.38	5.25	5.50	5.38	0.67	1.55	1.17	1.36	1.00	1.17	.00	.00	.01
entschlossen	4.50	4.92	4.71	5.17	5.75	5.46	1.68	1.24	1.46	1.99	1.29	1.67	.06	.03	.00
entspannt	1.17	1.33	1.25	1.83	1.42	1.62	0.39	0.49	0.44	0.94	0.52	0.77	.09*	.01	.06
enttäuscht	4.75	5.25	5.00	5.08	4.82	4.96	1.29	1.42	1.35	0.79	1.54	1.19	.00	.00	.02
erfahren	2.75	2.25	2.50	3.33	3.25	3.29	0.97	0.97	0.98	1.44	1.36	1.37	.11*	.02	.01
erfolgreich	4.25	4.50	4.37	4.00	4.58	4.29	1.42	1.45	1.41	1.48	1.68	1.57	.00	.02	.00
erfreut	3.67	3.00	3.33	3.36	3.67	3.52	1.67	1.21	1.47	1.86	1.83	1.81	.00	.00	.02
ernst	4.67	5.33	5.00	4.42	4.67	4.54	0.99	0.49	0.83	1.00	0.89	0.93	.07	.07	.02
erschöpft	3.75	2.75	3.25	3.42	2.83	3.13	1.71	1.66	1.73	2.23	1.64	1.94	.00	.05	.00
erstaunt	4.00	4.42	4.21	4.00	4.75	4.38	1.41	1.17	1.29	1.65	1.29	1.50	.00	.05	.00
feige	5.17	5.50	5.33	4.67	4.08	4.38	1.03	1.17	1.09	1.44	1.93	1.69	.11*	.00	.03
feindselig	6.50	6.17	6.33	6.33	6.42	6.38	0.80	1.03	0.92	0.89	0.67	0.77	.00	.01	.02
fies	5.92	5.50	5.71	6.42	5.25	5.83	0.79	1.00	0.91	0.79	1.77	1.47	.00	.11*	.03
flexibel	2.75	3.08	2.92	3.25	3.92	3.58	1.06	1.44	1.25	1.60	1.51	1.56	.06	.03	.00
frech	4.08	4.58	4.33	5.08	5.08	5.08	1.51	1.00	1.27	0.90	0.79	0.83	.12*	.01	.01
friedlich	1.83	1.83	1.83	1.75	2.67	2.21	0.84	0.72	0.76	0.75	1.50	1.25	.04	.05	.05
fröhlich	2.00	2.25	2.13	2.00	2.45	2.22	1.41	1.22	1.30	1.54	1.64	1.57	.00	.02	.00
frustriert	6.25	5.75	6.00	6.00	5.33	5.67	1.14	1.06	1.10	1.04	1.61	1.37	.02	.06	.00
furchtlos	2.92	3.25	3.08	3.83	4.42	4.13	1.51	1.87	1.67	1.75	1.51	1.62	.10*	.02	.00
furchtsam	5.42	5.67	5.54	6.00	3.73	4.91	0.79	1.16	0.98	1.35	1.35	1.76	.08	.17**	.24**
gebildet	3.00	2.92	2.96	3.08	3.75	3.42	1.21	1.00	1.08	1.31	1.49	1.41	.03	.01	.02
geduldig	2.50	2.42	2.46	2.50	2.00	2.25	1.09	1.38	1.22	1.68	0.95	1.36	.01	.01	.01
gehemmt	5.50	5.83	5.67	4.67	4.17	4.42	0.91	0.94	0.92	1.23	1.59	1.41	.23**	.00	.03
gehorsam	5.83	4.83	5.33	3.75	4.33	4.04	1.27	1.90	1.66	2.01	1.78	1.88	.13*	.00	.05
geizig	5.42	6.00	5.71	4.92	4.36	4.65	0.79	0.95	0.91	1.93	1.69	1.80	.13*	.00	.04
gelangweilt	2.75	3.00	2.87	2.67	2.33	2.50	1.77	1.41	1.58	1.50	1.37	1.41	.02	.00	.01
gelassen	1.50	1.67	1.58	1.75	2.33	2.04	0.67	0.78	0.72	0.87	1.61	1.30	.05	.03	.01

(table continued)

Table C3 (continued)

Ratings of Arousal in the Word Rating Study by Age Group and Sex

	Means						Standard Deviations						Effect Sizes		
	Young Adults			Older Adults			Young Adults			Older Adults			A	S	AxS
	W	M	O	W	M	O	W	M	O	W	M	O			
gemütlich	1.25	1.50	1.38	1.50	1.50	1.50	0.62	0.67	0.65	0.91	0.52	0.72	.01	.01	.01
genügsam	2.83	3.00	2.92	3.08	3.00	3.04	0.84	1.28	1.06	0.90	1.04	0.96	.00	.00	.00
gerecht	2.75	2.75	2.75	2.33	3.58	2.96	1.22	1.66	1.42	1.30	1.51	1.52	.01	.05	.05
gereizt	6.33	6.50	6.42	6.17	5.92	6.04	0.65	0.67	0.65	0.94	0.90	0.91	.06	.00	.02
geschickt	3.17	3.50	3.33	3.00	3.25	3.13	1.12	1.24	1.17	1.35	1.36	1.33	.01	.01	.00
geschwätzig	3.17	4.17	3.67	4.83	4.00	4.43	1.40	1.53	1.52	1.75	1.84	1.81	.05	.00	.08
gesellig	2.58	2.08	2.33	2.75	3.08	2.92	1.44	0.79	1.17	1.36	1.44	1.38	.05	.00	.03
gesprächig	2.92	2.67	2.79	3.75	3.67	3.71	1.62	1.30	1.44	1.42	1.44	1.40	.10*	.00	.00
gesund	2.17	2.00	2.08	2.17	3.00	2.58	1.34	1.04	1.18	1.27	1.54	1.44	.04	.02	.04
gewissenhaft	4.58	4.75	4.67	3.67	4.33	4.00	1.00	1.06	1.01	2.06	2.06	2.04	.04	.02	.01
gierig	6.08	6.25	6.17	6.08	6.17	6.12	1.00	0.62	0.82	0.79	0.58	0.68	.00	.01	.00
glücklich	2.33	1.67	2.00	1.42	2.17	1.79	1.83	1.07	1.50	1.17	1.70	1.47	.00	.00	.06
grausam	6.33	6.50	6.42	6.83	6.58	6.71	0.78	0.91	0.83	0.39	0.90	0.69	.04	.00	.02
gründlich	4.42	4.75	4.58	3.92	3.58	3.75	1.51	1.42	1.44	1.68	1.51	1.57	.07	.00	.01
gütig	1.92	2.17	2.04	2.25	2.27	2.26	0.90	0.72	0.81	1.22	1.27	1.21	.01	.00	.00
harmlos	1.92	1.67	1.79	3.00	2.17	2.58	0.79	0.89	0.83	1.35	0.94	1.21	.14*	.07	.02
häßlich	4.25	5.00	4.63	4.42	4.50	4.46	0.97	1.21	1.14	0.90	1.51	1.22	.01	.03	.02
heiter	2.67	2.83	2.75	3.00	3.18	3.09	1.37	1.64	1.48	1.71	1.89	1.76	.01	.00	.00
hektisch	6.58	6.25	6.42	6.25	5.92	6.08	0.52	0.87	0.72	1.14	0.79	0.97	.04	.04	.00
hemmungslos	3.08	3.17	3.12	5.42	5.33	5.38	1.98	1.85	1.87	1.68	2.10	1.86	.27***	.00	.00
hilflos	5.67	5.50	5.58	5.82	4.83	5.30	0.89	1.24	1.06	0.98	1.70	1.46	.01	.05	.03
höflich	3.58	3.08	3.33	2.92	2.75	2.83	1.38	1.24	1.31	1.00	1.22	1.09	.04	.02	.00
impulsiv	4.75	5.25	5.00	4.92	5.67	5.29	1.77	1.66	1.69	1.83	1.16	1.55	.01	.04	.00
intelligent	2.67	3.50	3.08	3.67	4.17	3.92	1.44	1.51	1.50	1.67	1.53	1.59	.07	.05	.00
interessiert	4.75	3.92	4.33	5.08	5.17	5.13	1.22	1.44	1.37	1.83	1.53	1.65	.07	.02	.02
ironisch	4.25	4.17	4.21	5.27	4.33	4.78	1.29	1.53	1.38	0.91	1.23	1.17	.06	.04	.03
irritiert	5.00	4.83	4.92	5.25	4.50	4.88	0.85	1.03	0.93	1.29	1.98	1.68	.00	.03	.01
jung	3.33	3.42	3.37	3.50	3.92	3.71	1.67	1.24	1.44	1.09	1.62	1.37	.01	.01	.00
kämpferisch	6.67	6.25	6.46	6.33	6.50	6.42	0.49	0.97	0.78	0.78	0.67	0.72	.00	.01	.04
kontrolliert	5.08	5.58	5.33	4.75	4.92	4.83	1.00	1.24	1.13	1.29	1.08	1.17	.05	.02	.01
konzentriert	5.08	5.33	5.21	4.75	5.08	4.92	1.44	1.30	1.35	2.01	1.73	1.84	.01	.01	.00
kraftvoll	5.42	5.25	5.33	5.00	5.08	5.04	1.24	1.06	1.13	2.09	1.56	1.81	.01	.00	.00
krank	4.67	4.75	4.71	4.67	4.42	4.54	1.56	1.36	1.43	1.23	1.78	1.50	.00	.00	.00
kreativ	2.92	2.58	2.75	3.08	4.25	3.67	1.78	1.62	1.68	2.07	1.82	1.99	.06	.01	.04
kritisch	5.33	5.08	5.21	5.00	5.17	5.08	0.89	0.52	0.72	1.81	1.27	1.53	.00	.00	.01
lahm	3.00	3.00	3.00	2.75	2.75	2.75	1.60	2.05	1.79	1.42	1.60	1.48	.01	.00	.00
langsam	2.42	2.83	2.63	2.33	2.58	2.46	1.68	1.27	1.47	1.72	1.44	1.56	.00	.01	.00
launisch	5.50	5.17	5.33	5.50	5.08	5.29	1.00	1.27	1.13	1.09	1.68	1.40	.00	.02	.00
lebhaft	3.92	3.83	3.87	5.08	4.82	4.96	1.83	1.47	1.62	1.56	1.17	1.36	.12*	.00	.00
liberal	2.67	2.75	2.71	2.67	3.25	2.96	1.23	0.97	1.08	1.07	1.77	1.46	.01	.02	.01

(table continued)

Table C3 (continued)

Ratings of Arousal in the Word Rating Study by Age Group and Sex

	Means						Standard Deviations						Effect Sizes		
	Young Adults			Older Adults			Young Adults			Older Adults			A	S	AxS
	W	M	O	W	M	O	W	M	O	W	M	O			
listig	5.00	5.17	5.08	5.42	5.27	5.35	1.35	1.19	1.25	1.73	1.10	1.43	.01	.00	.00
lustig	2.58	2.08	2.33	2.50	3.08	2.79	1.62	1.17	1.40	1.38	1.44	1.41	.03	.00	.04
mitfühlend	3.17	2.83	3.00	2.75	3.75	3.25	1.12	1.27	1.18	1.91	1.96	1.96	.01	.01	.04
moralisch	4.92	5.00	4.96	4.50	4.18	4.35	0.79	1.04	0.91	1.00	1.47	1.23	.08	.00	.01
müde	3.00	2.33	2.67	1.58	1.92	1.75	1.41	1.37	1.40	1.17	1.17	1.15	.12*	.00	.04
mutig	4.75	4.42	4.58	4.58	4.92	4.75	1.82	1.38	1.59	2.15	1.51	1.82	.00	.00	.01
nachgiebig	2.50	2.83	2.67	2.75	3.00	2.87	0.91	1.03	0.96	0.62	1.41	1.08	.01	.02	.00
naiv	2.83	3.33	3.08	3.17	3.00	3.08	0.94	1.44	1.21	1.19	1.21	1.18	.00	.00	.02
neidisch	6.08	5.58	5.83	4.67	4.83	4.75	0.52	1.00	0.82	1.50	1.12	1.29	.21**	.01	.02
nervös	6.00	5.75	5.88	6.00	5.58	5.79	1.04	0.97	0.99	0.85	0.79	0.83	.00	.03	.00
neutral	3.58	3.75	3.67	3.67	3.75	3.71	1.08	0.62	0.87	0.78	1.06	0.91	.00	.00	.00
normal	3.17	3.83	3.50	2.83	3.33	3.08	1.34	0.94	1.18	1.19	1.23	1.21	.03	.06	.00
offen	2.42	2.42	2.42	3.17	3.58	3.38	1.17	1.24	1.18	1.47	1.38	1.41	.13*	.01	.01
ordentlich	4.42	4.08	4.25	3.25	2.83	3.04	1.73	1.17	1.45	1.42	1.40	1.40	.16**	.02	.00
passiv	2.83	3.33	3.08	2.75	2.25	2.50	1.47	1.67	1.56	1.71	1.49	1.59	.04	.00	.03
planlos	2.67	3.67	3.17	4.25	3.17	3.71	1.50	1.37	1.49	1.82	1.95	1.92	.03	.00	.10*
praktisch	3.50	3.33	3.42	3.67	4.50	4.08	0.80	1.07	0.93	0.99	1.24	1.18	.10*	.03	.06
pünktlich	4.17	4.08	4.13	3.25	3.17	3.21	1.53	1.68	1.57	1.77	1.85	1.77	.07	.00	.00
raffiniert	4.17	4.33	4.25	5.25	5.58	5.42	1.34	1.37	1.33	0.75	0.52	0.65	.25***	.01	.00
rastlos	6.08	6.17	6.12	5.92	5.75	5.83	0.90	1.03	0.95	1.00	1.22	1.09	.02	.00	.00
rational	3.92	3.50	3.71	3.75	4.00	3.87	1.24	1.38	1.30	1.06	1.48	1.26	.00	.00	.02
reif	2.67	2.75	2.71	3.67	2.73	3.22	0.89	1.06	0.96	1.37	1.49	1.48	.04	.03	.05
reizbar	6.50	6.08	6.29	5.75	5.83	5.79	0.67	0.67	0.69	0.87	0.84	0.83	.10*	.01	.03
reserviert	4.42	4.33	4.37	3.58	3.67	3.63	1.24	0.89	1.06	1.56	0.99	1.28	.10*	.00	.00
resolut	4.92	4.83	4.88	5.25	5.75	5.50	1.00	0.72	0.85	1.82	0.87	1.41	.07	.01	.02
ruhig	1.58	2.00	1.79	1.75	1.83	1.79	0.90	1.04	0.98	0.97	0.72	0.83	.00	.02	.01
sachlich	4.08	4.00	4.04	3.42	3.67	3.54	1.08	1.35	1.20	1.24	1.37	1.29	.04	.00	.00
sanft	1.92	2.00	1.96	2.25	2.17	2.21	0.79	1.04	0.91	1.14	0.84	0.98	.02	.00	.00
scheu	4.75	4.17	4.46	3.50	2.67	3.08	1.22	1.12	1.18	1.17	1.23	1.25	.27***	.09*	.00
schläfrig	2.00	2.25	2.12	1.75	1.75	1.75	1.54	1.06	1.30	0.87	1.22	1.03	.03	.00	.00
schüchtern	4.33	4.58	4.46	3.75	2.92	3.33	1.30	1.17	1.22	1.66	1.38	1.55	.15**	.01	.04
schuldig	6.00	6.00	6.00	6.08	5.75	5.92	1.13	1.41	1.25	0.90	0.75	0.83	.00	.01	.01
schwach	3.50	3.92	3.71	3.00	3.18	3.09	1.45	1.31	1.37	1.21	1.47	1.31	.05	.01	.00
schweigsam	3.83	3.50	3.67	3.08	2.91	3.00	0.94	1.09	1.01	0.67	0.83	0.74	.13*	.02	.00
sehnsüchtig	3.75	4.08	3.92	4.83	4.08	4.46	1.71	1.38	1.53	1.47	1.08	1.32	.04	.01	.04
sensibel	3.08	3.17	3.13	3.33	3.64	3.48	1.08	1.27	1.15	1.16	1.63	1.38	.02	.01	.00
sentimental	3.25	4.08	3.67	3.50	4.00	3.74	1.06	1.17	1.17	1.17	1.67	1.42	.00	.07	.00
sinnlich	2.00	2.25	2.13	3.58	4.58	4.08	1.76	1.29	1.51	1.31	2.28	1.89	.26***	.03	.01
skeptisch	4.83	5.17	5.00	4.58	4.50	4.54	0.84	0.94	0.89	0.90	1.57	1.25	.04	.00	.01
sorgfältig	4.67	4.92	4.79	3.83	4.50	4.17	1.23	1.51	1.35	1.95	1.83	1.88	.04	.02	.00

(table continued)

Table C3 (continued)

Ratings of Arousal in the Word Rating Study by Age Group and Sex

	Means						Standard Deviations						Effect Sizes		
	Young Adults			Older Adults			Young Adults			Older Adults			A	S	AxS
	W	M	O	W	M	O	W	M	O	W	M	O			
spontan	2.83	3.08	2.96	4.33	4.92	4.63	1.95	1.24	1.60	1.72	1.51	1.61	.22**	.02	.00
stark	3.92	3.42	3.67	4.33	4.75	4.54	1.88	1.78	1.81	1.97	1.49	1.72	.06	.00	.02
still	3.00	2.50	2.75	1.67	2.00	1.83	1.35	1.57	1.45	0.89	1.28	1.09	.12*	.00	.03
stolz	3.58	4.42	4.00	3.83	3.92	3.88	1.56	1.56	1.59	0.94	1.38	1.15	.00	.03	.02
streng	5.75	6.00	5.88	6.42	5.42	5.92	0.97	0.74	0.85	0.90	0.90	1.02	.00	.05	.12*
stur	5.50	5.50	5.50	5.08	4.75	4.92	0.67	0.67	0.66	2.02	1.60	1.79	.05	.00	.00
subjektiv	4.00	4.17	4.08	3.33	4.33	3.83	1.04	0.72	0.88	1.37	1.16	1.34	.01	.07	.04
taktvoll	3.42	3.33	3.37	2.75	3.17	2.96	1.31	1.30	1.28	1.06	1.03	1.04	.03	.00	.01
tolerant	2.25	2.33	2.29	2.58	2.75	2.67	1.29	1.16	1.20	1.24	1.06	1.13	.03	.00	.00
träge	2.25	2.75	2.50	2.50	2.58	2.54	1.36	1.77	1.56	1.68	1.44	1.53	.00	.01	.00
traurig	3.58	3.67	3.63	4.58	3.75	4.17	1.24	1.30	1.25	1.38	1.29	1.37	.04	.02	.03
treu	2.25	3.17	2.71	2.42	3.08	2.75	1.14	1.40	1.33	1.62	1.98	1.80	.00	.06	.00
überheblich	5.33	5.50	5.42	5.42	5.58	5.50	0.99	1.09	1.02	0.90	1.00	0.93	.00	.01	.00
überrascht	4.00	4.00	4.00	4.17	4.92	4.54	1.54	0.95	1.25	1.64	1.00	1.38	.04	.02	.02
umsichtig	3.58	3.50	3.54	3.17	3.83	3.50	1.31	1.45	1.35	1.70	1.19	1.47	.00	.01	.02
unangenehm	5.75	4.83	5.29	5.33	4.45	4.91	0.62	1.53	1.23	1.23	1.92	1.62	.02	.10*	.00
ungestüm	3.92	5.50	4.71	5.42	5.17	5.29	1.83	1.24	1.73	1.17	1.19	1.16	.05	.06	.11*
unnahbar	5.00	4.58	4.79	5.00	4.50	4.75	0.95	1.38	1.18	1.35	1.57	1.45	.00	.03	.00
unruhig	5.92	5.50	5.71	5.83	5.58	5.71	0.52	0.67	0.62	0.94	1.00	0.96	.00	.04	.00
unsicher	5.45	5.50	5.48	5.27	4.58	4.91	1.04	1.17	1.08	0.79	1.08	1.00	.07	.03	.03
verärgert	6.25	5.92	6.08	6.33	5.92	6.13	0.62	0.79	0.72	0.78	0.67	0.74	.00	.07	.00
vergnügt	2.25	2.50	2.38	2.50	2.75	2.63	1.66	1.38	1.50	1.68	1.42	1.53	.01	.01	.00
verlegen	4.25	4.33	4.29	4.33	3.67	4.00	1.29	1.78	1.52	0.99	1.50	1.29	.01	.01	.02
verletzlich	4.83	4.83	4.83	4.92	4.83	4.88	1.27	1.27	1.24	1.24	1.12	1.15	.00	.00	.00
verlogen	6.00	5.50	5.75	6.08	5.50	5.79	1.04	1.09	1.07	1.17	1.45	1.32	.00	.05	.00
vernünftig	3.25	3.25	3.25	2.58	3.08	2.83	1.49	0.75	1.15	1.17	1.38	1.27	.03	.01	.01
verspielt	2.25	2.50	2.38	2.58	2.75	2.67	1.66	1.00	1.35	1.24	1.29	1.24	.01	.01	.00
verträumt	1.83	2.17	2.00	2.08	2.00	2.04	1.03	1.12	1.06	0.90	1.21	1.04	.00	.00	.01
verwirrt	4.67	4.33	4.50	5.92	4.33	5.13	1.30	1.56	1.41	1.17	1.72	1.65	.05	.11*	.05
verwöhnt	3.75	3.75	3.75	3.50	3.09	3.30	1.60	1.22	1.39	1.31	1.14	1.22	.03	.01	.01
vorsichtig	4.67	4.67	4.67	4.42	4.17	4.29	1.44	0.65	1.09	1.51	1.27	1.37	.02	.00	.00
wach	3.75	4.00	3.88	4.33	5.42	4.88	1.71	1.04	1.39	2.10	1.44	1.85	.09*	.04	.02
wählerisch	4.92	4.42	4.67	4.08	3.83	3.96	0.29	1.08	0.82	1.62	1.12	1.37	.10*	.03	.00
weich	1.58	2.08	1.83	1.75	2.08	1.92	1.00	0.90	0.96	0.62	0.52	0.58	.00	.07	.00
weise	2.17	2.33	2.25	3.42	3.50	3.46	1.03	1.23	1.11	1.73	1.88	1.77	.15**	.00	.00
zaghaf	3.75	3.75	3.75	3.50	3.50	3.50	1.42	1.22	1.29	1.38	1.62	1.47	.01	.00	.00
zärtlich	1.58	1.83	1.71	2.42	2.64	2.52	0.67	0.94	0.81	1.62	1.96	1.76	.09*	.01	.00
zerstreut	3.92	3.42	3.67	5.25	4.00	4.62	1.51	1.31	1.40	1.36	1.76	1.66	.10*	.09*	.02
zornig	6.25	6.25	6.25	6.50	6.08	6.29	0.75	0.62	0.68	0.67	0.67	0.69	.00	.02	.02
zufrieden	1.42	1.67	1.54	1.42	1.67	1.54	0.79	0.89	0.83	0.67	0.99	0.83	.00	.02	.00

Note. Effect sizes were partial eta-squareds (η_p^2). W = Women. M = Men. O = Overall. A = Age. S = Sex.

* $p < .05$. ** $p < .01$. *** $p < .001$.

Table C4

Ratings of Control in the Word Rating Study by Age Group and Sex

	Means						Standard Deviations						Effect Sizes		
	Young Adults			Older Adults			Young Adults			Older Adults			A	S	AxS
	W	M	O	W	M	O	W	M	O	W	M	O			
abhängig	1.92	1.17	1.54	2.82	2.42	2.61	1.73	0.39	1.29	2.36	1.31	1.85	.11*	.03	.00
abwesend	1.92	1.92	1.92	3.08	2.00	2.54	1.17	0.90	1.02	1.83	1.54	1.74	.05	.04	.04
aggressiv	3.33	3.75	3.54	4.17	2.92	3.54	1.92	2.18	2.02	2.52	0.90	1.96	.00	.01	.05
akkurat	5.75	5.27	5.52	5.67	6.17	5.92	1.42	0.91	1.20	1.44	1.03	1.25	.03	.00	.04
aktiv	6.17	6.17	6.17	6.25	6.08	6.17	0.94	0.94	0.92	1.60	1.08	1.34	.00	.00	.00
albern	4.08	3.58	3.83	4.08	2.83	3.46	2.07	1.08	1.63	1.68	1.53	1.69	.01	.07	.01
alt	3.83	2.58	3.21	2.58	4.00	3.29	1.70	1.38	1.64	1.98	1.65	1.92	.00	.00	.14**
amüsiert	4.75	4.58	4.67	3.67	4.08	3.87	1.36	1.08	1.20	1.97	1.08	1.57	.08	.00	.01
analytisch	6.25	5.83	6.04	4.75	5.50	5.13	0.87	0.94	0.91	1.71	1.68	1.70	.11*	.00	.05
angeekelt	2.42	2.17	2.29	3.33	2.75	3.04	1.08	0.94	1.00	2.46	1.29	1.94	.06	.02	.00
angenehm	5.33	4.50	4.92	4.75	4.17	4.46	1.16	1.38	1.32	2.14	1.95	2.02	.02	.04	.00
angepaßt	2.50	3.25	2.88	5.08	3.83	4.46	1.17	1.82	1.54	1.68	1.59	1.72	.21**	.01	.10*
angeregt	5.00	4.25	4.63	4.58	4.67	4.63	0.60	1.14	0.97	1.44	1.23	1.31	.00	.02	.03
angespannt	3.67	3.50	3.58	4.33	6.00	5.17	1.72	1.00	1.38	1.83	0.74	1.61	.26***	.07	.10*
ängstlich	1.83	1.92	1.87	2.18	2.67	2.43	0.72	0.79	0.74	0.75	1.56	1.24	.07	.02	.01
arrogant	5.42	5.00	5.21	5.08	4.58	4.83	1.51	1.54	1.50	2.19	1.38	1.81	.01	.02	.00
attraktiv	4.67	4.75	4.71	4.33	4.75	4.54	1.44	1.71	1.55	2.15	1.14	1.69	.00	.01	.00
aufbrausend	2.92	3.25	3.08	3.75	2.25	3.00	1.44	1.71	1.56	2.77	1.22	2.23	.00	.03	.06
aufgewühlt	2.83	2.67	2.75	4.17	4.17	4.17	1.34	0.99	1.15	2.08	1.53	1.79	.19**	.00	.00
aufmerksam	6.00	6.00	6.00	5.08	5.83	5.46	0.60	0.95	0.78	2.11	1.12	1.69	.04	.02	.02
ausdauernd	5.58	6.17	5.88	5.50	5.33	5.42	0.90	0.84	0.90	1.31	1.50	1.38	.04	.01	.03
ausgeglichen	5.67	5.00	5.33	4.75	5.08	4.92	1.07	1.21	1.17	2.38	1.31	1.89	.02	.00	.03
autoritär	5.50	5.92	5.71	5.17	4.67	4.92	1.45	1.17	1.30	1.99	1.23	1.64	.07	.00	.02
bedächtig	5.00	5.00	5.00	4.17	3.83	4.00	1.21	1.28	1.22	1.53	1.90	1.69	.11*	.00	.00
begeistert	4.83	4.08	4.46	3.83	4.58	4.21	1.19	1.56	1.41	2.25	1.24	1.82	.01	.00	.05
beharrlich	5.17	5.25	5.21	4.83	5.67	5.25	1.47	0.97	1.22	1.95	0.78	1.51	.00	.03	.02
beherrscht	5.17	5.00	5.08	5.36	4.83	5.09	1.75	1.65	1.67	1.57	1.47	1.51	.00	.01	.00
bekümmert	2.92	2.67	2.79	2.83	3.00	2.92	1.31	0.65	1.02	1.19	0.85	1.02	.00	.00	.01
berechnend	5.92	6.08	6.00	5.18	5.50	5.35	1.17	0.79	0.98	2.04	0.91	1.53	.07	.01	.00
beschämt	2.50	2.33	2.42	2.50	2.75	2.63	1.00	0.78	0.88	1.31	1.14	1.21	.01	.00	.01
bescheiden	3.92	4.50	4.21	4.83	4.83	4.83	1.00	1.24	1.14	1.95	1.70	1.79	.04	.01	.01
besonnen	4.92	5.25	5.08	5.25	5.58	5.42	1.31	1.71	1.50	1.77	1.31	1.53	.01	.01	.00
besorgt	3.82	3.08	3.43	4.08	5.00	4.54	1.25	1.51	1.41	1.73	0.85	1.41	.15*	.00	.09*
bestimmend	6.08	6.25	6.17	5.00	5.33	5.17	1.24	0.87	1.05	1.86	0.78	1.40	.15**	.01	.00
boshaft	4.17	4.33	4.25	4.42	3.83	4.13	1.70	1.78	1.70	2.02	1.27	1.68	.00	.00	.01
brutal	4.00	4.00	4.00	3.50	3.00	3.25	2.34	2.13	2.19	2.51	2.17	2.31	.03	.00	.00
defensiv	2.33	2.83	2.58	3.17	3.17	3.17	1.07	1.34	1.21	1.59	1.59	1.55	.04	.01	.01
depressiv	1.83	1.50	1.67	2.17	1.92	2.04	0.94	0.67	0.82	1.90	0.90	1.46	.03	.02	.00
deprimiert	1.83	1.92	1.87	2.33	1.83	2.08	0.72	0.52	0.61	1.44	0.58	1.10	.01	.01	.03
direkt	4.75	5.08	4.92	5.33	4.25	4.79	1.14	1.31	1.21	0.89	1.06	1.10	.00	.03	.10*

(table continued)

Table C4 (continued)

Ratings of Control in the Word Rating Study by Age Group and Sex

	Means						Standard Deviations						Effect Sizes		
	Young Adults			Older Adults			Young Adults			Older Adults			A	S	AxS
	W	M	O	W	M	O	W	M	O	W	M	O			
diskret	4.75	5.33	5.04	5.25	5.08	5.17	1.06	1.07	1.08	1.36	1.44	1.37	.00	.01	.02
dominant	5.75	6.33	6.04	5.67	5.92	5.79	1.71	0.89	1.37	1.97	1.24	1.62	.01	.02	.00
dumm	1.75	2.17	1.96	2.17	2.08	2.12	0.75	1.19	1.00	1.40	1.00	1.19	.01	.01	.01
egoistisch	5.33	4.58	4.96	5.42	4.75	5.08	1.61	1.73	1.68	2.35	1.36	1.91	.00	.04	.00
ehrgeizig	6.50	5.75	6.13	5.92	5.25	5.58	0.67	1.14	0.99	1.00	1.29	1.18	.07	.11*	.00
ehrlich	5.92	5.75	5.83	5.33	5.83	5.58	1.24	1.66	1.44	1.97	1.12	1.59	.01	.00	.01
eigenwillig	4.83	5.08	4.96	4.42	4.25	4.33	1.34	1.17	1.23	1.68	1.14	1.40	.06	.00	.01
einfalllos	2.00	2.18	2.09	3.08	2.17	2.63	0.60	1.25	0.95	1.17	1.19	1.25	.06	.03	.07
einfühlsam	5.17	4.75	4.96	4.58	4.83	4.71	1.03	1.06	1.04	2.11	0.84	1.57	.01	.00	.02
einsam	2.50	2.00	2.25	2.17	2.83	2.50	1.31	1.21	1.26	1.12	1.75	1.47	.01	.00	.05
eitel	4.50	4.00	4.25	4.00	3.50	3.75	1.88	1.54	1.70	1.91	1.83	1.85	.02	.02	.00
emotional	3.00	2.33	2.67	3.73	4.00	3.87	1.35	1.23	1.31	2.19	1.76	1.94	.12*	.00	.02
empfindlich	2.67	2.25	2.46	3.25	2.58	2.92	1.30	0.45	0.98	1.71	1.31	1.53	.03	.05	.00
energisch	5.75	5.42	5.58	5.83	5.58	5.71	1.22	1.31	1.25	1.27	1.44	1.33	.00	.01	.00
entschlossen	6.42	6.50	6.46	6.25	6.33	6.29	0.67	0.67	0.66	1.22	0.89	1.04	.01	.00	.00
entspannt	4.08	3.75	3.92	3.00	3.67	3.33	1.93	1.42	1.67	2.00	1.50	1.76	.03	.00	.02
enttäuscht	2.67	2.00	2.33	2.92	2.83	2.88	1.23	0.60	1.01	1.00	1.12	1.03	.07	.04	.02
erfahren	6.42	6.42	6.42	5.75	5.50	5.62	0.67	0.79	0.72	1.14	1.09	1.10	.16**	.00	.00
erfolgreich	6.17	6.08	6.12	6.33	5.75	6.04	0.72	0.52	0.61	0.49	1.22	0.96	.00	.05	.03
erfreut	4.64	4.50	4.57	4.36	4.33	4.35	1.12	1.17	1.12	2.20	1.23	1.72	.01	.00	.00
ernst	5.42	5.17	5.29	4.33	5.00	4.67	1.08	1.27	1.16	1.23	1.35	1.31	.06	.01	.04
erschöpft	2.50	2.00	2.25	3.27	2.75	3.00	1.00	0.74	0.90	1.68	1.36	1.51	.09*	.04	.00
erstaunt	3.25	2.67	2.96	3.25	3.50	3.37	1.06	1.37	1.23	1.77	1.00	1.41	.03	.00	.03
feige	2.42	1.67	2.04	2.92	3.17	3.04	0.79	0.78	0.86	1.24	1.99	1.63	.14*	.01	.04
feindselig	3.08	4.25	3.67	4.75	3.33	4.04	1.38	1.06	1.34	2.22	1.44	1.97	.01	.00	.15**
fies	4.50	4.27	4.39	4.00	3.42	3.71	1.98	1.35	1.67	2.22	2.11	2.14	.03	.01	.00
flexibel	6.08	5.58	5.83	4.33	5.42	4.88	0.67	1.31	1.05	1.16	1.00	1.19	.18**	.02	.13*
frech	5.08	4.42	4.75	5.08	3.33	4.21	0.90	1.24	1.11	1.68	1.92	1.98	.03	.15**	.03
friedlich	5.00	4.83	4.92	3.92	4.42	4.17	1.41	1.27	1.32	1.78	1.00	1.44	.07	.00	.01
fröhlich	5.73	4.50	5.09	5.25	4.83	5.04	1.19	1.38	1.41	1.66	1.53	1.57	.00	.08	.02
frustriert	1.83	2.17	2.00	3.17	2.33	2.75	0.72	1.47	1.14	1.90	1.23	1.62	.07	.01	.04
furchtlos	5.17	5.25	5.21	4.73	5.50	5.13	1.19	1.96	1.59	1.90	1.00	1.52	.00	.02	.01
furchtsam	2.08	2.17	2.13	3.00	2.75	2.88	1.08	0.72	0.90	1.95	1.14	1.57	.08	.00	.00
gebildet	6.00	5.83	5.92	5.42	5.50	5.46	1.21	0.84	1.02	1.56	1.00	1.29	.04	.00	.00
geduldig	5.42	5.33	5.38	4.42	4.58	4.50	0.90	1.07	0.97	1.78	1.78	1.75	.09*	.00	.00
gehemmt	2.58	1.67	2.12	2.18	2.58	2.39	1.62	0.78	1.33	1.66	1.56	1.59	.01	.01	.05
gehorsam	3.33	2.83	3.08	5.25	3.42	4.33	2.46	1.59	2.04	1.91	2.02	2.14	.09*	.08	.03
geizig	4.58	4.58	4.58	3.83	3.58	3.71	1.62	1.73	1.64	1.85	1.62	1.71	.07	.00	.00
gelangweilt	2.92	2.50	2.71	2.92	2.92	2.92	1.24	0.80	1.04	1.17	1.31	1.21	.01	.01	.01
gelassen	4.75	4.67	4.71	4.08	3.42	3.75	1.49	1.44	1.43	1.98	1.78	1.87	.08	.01	.01

(table continued)

Table C4 (continued)

Ratings of Control in the Word Rating Study by Age Group and Sex

	Means						Standard Deviations						Effect Sizes		
	Young Adults			Older Adults			Young Adults			Older Adults			A	S	AxS
	W	M	O	W	M	O	W	M	O	W	M	O			
gemütlich	3.92	4.08	4.00	3.92	3.67	3.79	1.93	1.83	1.84	2.11	1.07	1.64	.00	.00	.00
genügsam	4.08	4.67	4.38	4.33	3.92	4.12	1.44	1.16	1.31	2.06	1.68	1.85	.01	.00	.02
gerecht	5.42	5.50	5.46	5.42	5.92	5.67	1.08	1.17	1.10	1.62	0.79	1.27	.01	.02	.01
gereizt	3.00	2.67	2.83	3.08	3.00	3.04	1.48	1.30	1.37	2.11	1.04	1.63	.00	.00	.00
geschickt	5.75	5.50	5.63	4.67	5.25	4.96	0.97	0.67	0.82	1.88	0.75	1.43	.08	.01	.03
geschwätzig	3.42	3.83	3.63	4.17	2.58	3.38	1.51	1.53	1.50	1.64	1.51	1.74	.01	.04	.10*
gesellig	4.92	4.83	4.88	5.08	4.83	4.96	1.17	1.40	1.26	1.44	1.27	1.33	.00	.00	.00
gesprächig	5.00	4.17	4.58	5.00	4.33	4.67	1.13	0.94	1.10	1.71	0.78	1.34	.00	.10*	.00
gesund	5.50	5.92	5.71	4.08	4.50	4.29	1.93	1.56	1.73	2.68	1.62	2.18	.12*	.01	.00
gewissenhaft	5.58	5.58	5.58	5.50	6.00	5.74	0.79	1.00	0.88	1.62	1.00	1.36	.01	.01	.01
gierig	2.83	2.91	2.87	4.58	3.00	3.79	1.80	1.87	1.79	2.19	1.86	2.15	.06	.04	.05
glücklich	5.25	4.67	4.96	3.67	4.58	4.12	1.22	1.50	1.37	2.35	1.08	1.85	.07	.00	.06
grausam	3.83	4.25	4.04	4.67	3.50	4.08	2.08	2.42	2.22	2.74	2.28	2.54	.00	.01	.03
gründlich	5.58	5.67	5.63	5.33	5.33	5.33	0.79	0.78	0.77	1.44	1.16	1.27	.02	.00	.00
gütig	5.25	5.50	5.38	4.83	4.00	4.42	1.36	0.91	1.14	1.85	1.81	1.84	.10*	.01	.03
harmlos	3.75	3.33	3.54	3.42	2.75	3.08	1.42	1.23	1.32	1.51	1.71	1.61	.03	.03	.00
häßlich	3.25	2.75	3.00	2.92	3.00	2.96	1.42	1.29	1.35	1.31	1.18	1.22	.00	.01	.01
heiter	5.17	4.42	4.79	4.17	4.25	4.21	1.47	1.51	1.50	2.08	1.42	1.74	.03	.01	.02
hektisch	2.83	2.67	2.75	3.92	1.92	2.92	1.59	1.30	1.42	2.19	0.90	1.93	.00	.11*	.08*
hemmungslos	3.17	3.17	3.17	2.75	2.17	2.46	2.17	2.08	2.08	2.18	1.53	1.87	.03	.01	.01
hilflos	1.33	1.08	1.21	1.82	2.00	1.91	0.89	0.29	0.66	1.17	1.13	1.13	.13*	.00	.01
höflich	4.92	5.08	5.00	4.58	4.92	4.75	0.90	1.00	0.93	1.83	1.00	1.45	.01	.01	.00
impulsiv	4.25	2.92	3.58	4.25	3.75	4.00	1.71	1.17	1.59	2.05	1.49	1.77	.02	.08	.02
intelligent	6.17	6.08	6.13	4.75	5.17	4.96	1.12	0.79	0.95	2.34	1.59	1.97	.13*	.00	.01
interessiert	6.08	5.92	6.00	5.75	6.00	5.88	1.08	0.67	0.89	1.60	0.85	1.26	.00	.00	.01
ironisch	4.58	5.33	4.96	4.17	4.50	4.33	0.90	0.89	0.96	1.95	1.31	1.63	.06	.04	.01
irritiert	3.33	2.25	2.79	3.17	2.67	2.92	1.37	0.62	1.18	1.34	0.65	1.06	.00	.13*	.02
jung	5.08	4.92	5.00	3.92	4.42	4.17	1.73	1.73	1.69	2.43	1.78	2.10	.05	.00	.01
kämpferisch	6.00	5.58	5.79	6.25	5.33	5.79	1.48	1.24	1.35	0.97	1.16	1.14	.00	.07	.01
kontrolliert	5.67	4.33	5.00	5.58	4.67	5.13	1.83	2.67	2.34	1.93	2.19	2.07	.00	.07	.00
konzentriert	6.33	6.42	6.37	6.25	5.83	6.04	0.78	0.67	0.71	1.14	1.59	1.37	.02	.01	.01
kraftvoll	5.50	5.67	5.58	5.08	5.17	5.13	0.80	0.78	0.78	1.68	0.94	1.33	.04	.00	.00
krank	1.92	1.50	1.71	3.25	3.33	3.29	1.31	0.67	1.04	2.42	1.83	2.10	.19**	.00	.01
kreativ	5.17	4.50	4.83	5.17	5.42	5.29	1.34	1.38	1.37	2.17	1.17	1.71	.02	.00	.02
kritisch	5.75	5.08	5.42	5.25	5.67	5.46	0.87	0.90	0.93	1.60	1.07	1.35	.00	.00	.06
lahm	2.83	2.08	2.46	2.17	2.08	2.13	1.53	0.90	1.29	1.27	0.79	1.03	.02	.03	.02
langsam	3.83	3.50	3.67	3.17	3.58	3.38	1.27	1.17	1.20	1.64	1.56	1.58	.01	.00	.02
launisch	2.58	2.25	2.42	3.42	2.33	2.88	0.67	0.87	0.78	1.83	1.50	1.73	.03	.07	.02
lebhaft	4.83	5.08	4.96	4.50	4.08	4.29	0.84	1.31	1.08	1.83	1.17	1.52	.06	.00	.02
liberal	4.25	4.25	4.25	4.00	4.67	4.33	1.60	0.75	1.23	1.91	1.56	1.74	.00	.01	.01

(table continued)

Table C4 (continued)

Ratings of Control in the Word Rating Study by Age Group and Sex

	Means						Standard Deviations						Effect Sizes		
	Young Adults			Older Adults			Young Adults			Older Adults			A	S	AxS
	W	M	O	W	M	O	W	M	O	W	M	O			
listig	6.00	5.58	5.79	5.17	5.58	5.38	1.21	1.17	1.18	1.40	1.00	1.21	.03	.00	.03
lustig	4.67	4.25	4.46	3.67	4.33	4.00	1.30	1.22	1.25	1.92	1.67	1.79	.02	.00	.03
mitfühlend	4.92	4.83	4.88	5.17	4.08	4.63	1.31	1.40	1.33	1.59	1.78	1.74	.01	.04	.03
moralisch	5.08	4.50	4.79	3.75	4.00	3.88	1.00	0.80	0.93	1.66	1.04	1.36	.14**	.01	.03
müde	2.17	2.08	2.13	2.25	2.25	2.25	0.58	0.79	0.68	1.42	1.49	1.42	.00	.00	.00
mutig	5.50	5.50	5.50	5.42	5.08	5.25	1.17	1.24	1.18	1.78	1.17	1.48	.01	.00	.00
nachgiebig	3.83	4.33	4.08	4.08	3.75	3.92	1.47	1.30	1.38	1.51	1.06	1.28	.00	.00	.03
naiv	1.92	1.92	1.92	2.42	2.58	2.50	1.24	0.90	1.06	1.08	1.44	1.25	.06	.00	.00
neidisch	2.58	2.67	2.63	3.67	3.00	3.33	1.08	1.23	1.14	1.23	1.60	1.44	.07	.01	.02
nervös	2.58	2.17	2.37	3.00	2.36	2.70	1.62	0.94	1.31	1.86	1.29	1.61	.01	.03	.00
neutral	3.83	3.83	3.83	3.58	3.83	3.71	1.03	0.94	0.96	1.56	1.12	1.33	.00	.00	.00
normal	3.75	4.08	3.92	3.42	4.42	3.92	0.87	0.29	0.65	1.93	1.08	1.61	.00	.08	.02
offen	5.17	4.83	5.00	4.17	3.83	4.00	1.40	1.12	1.25	1.34	1.59	1.45	.13*	.02	.00
ordentlich	5.50	5.17	5.33	5.50	5.67	5.58	1.17	1.40	1.27	1.51	0.89	1.21	.01	.00	.01
passiv	2.08	1.58	1.83	3.08	2.25	2.67	1.17	0.79	1.01	1.38	1.22	1.34	.12*	.08	.01
planlos	1.67	2.00	1.83	2.50	2.08	2.29	0.78	0.85	0.82	1.68	1.08	1.40	.04	.00	.03
praktisch	5.42	5.75	5.58	5.25	5.55	5.39	1.08	1.06	1.06	1.29	0.69	1.03	.01	.02	.00
pünktlich	5.08	5.42	5.25	5.75	5.67	5.71	1.00	1.17	1.07	1.77	1.30	1.52	.03	.00	.01
raffiniert	5.75	5.83	5.79	6.00	4.50	5.25	0.97	0.84	0.88	1.04	1.57	1.51	.06	.10*	.12*
rastlos	3.42	3.58	3.50	3.42	3.67	3.54	0.90	1.68	1.32	1.56	1.83	1.67	.00	.00	.00
rational	5.67	5.92	5.79	4.75	5.75	5.25	0.89	1.08	0.98	1.91	1.29	1.68	.04	.05	.02
reif	5.33	5.08	5.21	4.17	4.75	4.46	0.89	1.31	1.10	2.08	1.55	1.82	.06	.00	.02
reizbar	2.92	2.92	2.92	4.08	2.67	3.38	1.38	1.17	1.25	2.31	0.89	1.86	.02	.05	.05
reserviert	4.00	3.92	3.96	4.75	4.50	4.62	1.41	1.17	1.27	1.77	1.62	1.66	.05	.00	.00
resolut	5.75	5.33	5.54	5.67	5.42	5.54	1.06	0.99	1.02	1.61	1.00	1.32	.00	.02	.00
ruhig	5.08	5.08	5.08	4.17	4.58	4.38	1.44	1.31	1.35	2.25	1.73	1.97	.04	.00	.00
sachlich	5.83	5.75	5.79	5.67	5.92	5.79	0.84	0.87	0.83	0.89	1.08	0.98	.00	.00	.01
sanft	4.67	4.67	4.67	4.00	4.25	4.13	1.23	1.30	1.24	1.81	1.77	1.75	.03	.00	.00
scheu	2.50	1.92	2.21	2.64	2.83	2.74	1.00	0.79	0.93	1.03	1.12	1.05	.07	.01	.04
schläfrig	2.75	2.17	2.46	2.08	2.33	2.21	0.97	0.84	0.93	1.00	1.44	1.22	.01	.01	.04
schüchtern	2.75	2.08	2.42	2.83	2.75	2.79	1.06	0.90	1.02	1.12	1.14	1.10	.03	.03	.02
schuldig	2.67	2.42	2.54	3.92	3.08	3.50	1.07	1.17	1.10	2.11	1.31	1.77	.10*	.04	.01
schwach	1.92	1.67	1.79	2.50	2.42	2.46	0.90	0.78	0.83	1.57	1.00	1.29	.09*	.01	.00
schweigsam	3.92	4.25	4.08	4.33	4.25	4.29	1.24	1.66	1.44	1.30	1.36	1.30	.01	.00	.01
sehnsüchtig	2.17	2.33	2.25	3.17	3.08	3.13	1.27	0.89	1.07	1.19	1.44	1.30	.12*	.00	.00
sensibel	4.00	3.17	3.58	3.33	3.58	3.46	1.28	1.40	1.38	1.67	1.17	1.41	.00	.01	.04
sentimental	2.67	2.33	2.50	2.92	3.00	2.96	1.30	0.65	1.02	1.00	1.28	1.12	.05	.00	.01
sinnlich	3.92	3.75	3.83	3.17	3.92	3.54	1.83	1.42	1.61	1.47	1.44	1.47	.01	.01	.02
skeptisch	4.92	5.17	5.04	4.25	4.58	4.42	0.90	1.03	0.96	1.42	1.51	1.44	.06	.01	.00
sorgfältig	5.92	5.75	5.83	5.67	6.08	5.88	1.08	0.97	1.01	0.89	0.79	0.85	.00	.00	.03

(table continued)

Table C4 (continued)

Ratings of Control in the Word Rating Study by Age Group and Sex

	Means						Standard Deviations						Effect Sizes		
	Young Adults			Older Adults			Young Adults			Older Adults			A	S	AxS
	W	M	O	W	M	O	W	M	O	W	M	O			
spontan	4.75	4.42	4.58	3.75	3.67	3.71	1.14	1.73	1.44	2.22	0.78	1.63	.08	.00	.00
stark	6.25	6.50	6.37	5.08	5.75	5.42	0.75	0.67	0.71	2.02	0.97	1.59	.14*	.04	.01
still	3.83	4.00	3.92	3.75	3.50	3.63	1.53	1.60	1.53	2.01	1.57	1.77	.01	.00	.00
stolz	5.17	5.17	5.17	5.17	4.67	4.92	1.40	1.34	1.34	1.40	0.65	1.10	.01	.01	.01
streng	5.42	5.75	5.58	5.75	5.50	5.62	1.31	1.36	1.32	1.14	0.91	1.01	.00	.00	.02
stur	4.83	4.00	4.42	3.92	2.67	3.29	1.59	1.48	1.56	2.11	1.37	1.85	.11*	.10*	.00
subjektiv	3.91	3.75	3.83	4.92	3.75	4.33	0.94	1.22	1.07	1.51	1.49	1.58	.04	.06	.04
taktvoll	5.00	5.33	5.17	4.92	5.50	5.21	1.04	1.23	1.13	1.98	1.00	1.56	.00	.03	.00
tolerant	5.08	4.92	5.00	5.08	5.58	5.33	1.78	1.08	1.45	1.93	1.24	1.61	.01	.00	.01
träge	2.17	2.58	2.38	2.83	2.25	2.54	1.03	1.08	1.06	1.53	1.06	1.32	.00	.00	.05
traurig	2.25	1.92	2.08	2.73	2.50	2.61	0.87	0.67	0.78	1.79	1.00	1.41	.05	.02	.00
treu	4.17	5.17	4.67	4.75	4.75	4.75	1.40	1.40	1.47	2.18	1.06	1.68	.00	.03	.03
überheblich	4.17	3.50	3.83	4.08	2.92	3.50	1.12	1.24	1.20	2.15	1.51	1.91	.01	.09*	.01
überrascht	3.33	2.25	2.79	2.82	3.25	3.04	1.97	1.42	1.77	1.08	1.49	1.30	.01	.01	.06
umsichtig	5.08	5.75	5.42	5.58	5.42	5.50	1.17	0.87	1.06	1.51	1.31	1.38	.00	.01	.03
unangenehm	2.67	2.83	2.75	4.17	2.67	3.42	1.23	0.84	1.03	2.13	1.07	1.82	.06	.06	.09*
ungestüm	2.92	2.58	2.75	3.50	3.00	3.25	1.17	1.56	1.36	2.24	1.48	1.87	.02	.02	.00
unnahbar	4.58	3.75	4.17	4.42	3.92	4.17	1.73	2.01	1.88	2.11	1.62	1.86	.00	.03	.00
unruhig	2.33	2.33	2.33	4.17	2.92	3.54	0.65	1.50	1.13	1.75	1.31	1.64	.18**	.05	.05
unsicher	2.50	1.75	2.13	2.33	2.25	2.29	1.24	0.75	1.08	1.50	0.97	1.23	.01	.03	.02
verärgert	3.00	2.50	2.75	3.09	2.67	2.87	1.48	1.24	1.36	1.92	1.16	1.55	.00	.03	.00
vergnügt	4.83	4.58	4.71	3.92	4.08	4.00	1.40	1.17	1.27	1.78	1.17	1.47	.06	.00	.01
verlegen	2.75	2.08	2.42	2.92	3.00	2.96	0.97	0.67	0.88	1.56	1.13	1.33	.06	.02	.03
verletzlich	1.92	1.67	1.79	3.36	3.08	3.22	0.90	0.78	0.83	1.21	1.38	1.28	.32***	.02	.00
verlogen	4.00	3.25	3.63	4.17	3.08	3.63	1.13	1.60	1.41	2.41	1.78	2.14	.00	.07	.00
vernünftig	5.67	5.58	5.63	5.08	5.08	5.08	0.89	1.00	0.92	1.83	1.00	1.44	.05	.00	.00
verspielt	2.92	3.33	3.12	3.50	2.17	2.83	1.17	1.23	1.19	1.31	1.53	1.55	.01	.03	.11*
verträumt	2.42	2.58	2.50	2.92	2.42	2.67	0.90	1.38	1.14	1.56	1.38	1.47	.00	.00	.02
verwirrt	1.67	1.58	1.62	2.08	2.33	2.21	0.65	0.67	0.65	1.62	1.44	1.50	.06	.00	.00
verwöhnt	3.00	3.17	3.08	3.67	2.83	3.25	1.21	1.12	1.14	1.56	1.12	1.39	.00	.02	.04
vorsichtig	4.75	4.58	4.67	5.17	4.50	4.83	1.49	1.44	1.44	1.27	1.31	1.31	.00	.02	.01
wach	5.83	5.75	5.79	5.50	5.75	5.63	0.84	0.75	0.78	1.98	1.36	1.66	.00	.00	.00
wählerisch	5.67	5.17	5.42	4.67	5.08	4.88	1.37	1.47	1.41	1.37	1.00	1.19	.04	.00	.03
weich	3.50	2.75	3.13	2.67	2.83	2.75	1.17	0.97	1.12	1.30	1.12	1.19	.03	.02	.04
weise	6.42	5.75	6.08	4.75	5.75	5.25	1.00	1.66	1.38	2.26	1.42	1.92	.06	.00	.06
zaghaft	2.42	2.33	2.38	3.67	3.00	3.33	1.17	0.89	1.01	1.44	2.05	1.76	.11*	.02	.01
zärtlich	4.58	3.92	4.25	4.08	4.50	4.29	1.62	1.38	1.51	2.11	1.51	1.81	.00	.00	.03
zerstreut	2.00	1.50	1.75	2.33	2.00	2.17	1.13	0.67	0.94	1.37	1.60	1.47	.03	.03	.00
zornig	3.33	3.00	3.17	4.00	3.25	3.63	1.50	1.48	1.47	2.22	1.42	1.86	.02	.03	.00
zufrieden	5.17	4.42	4.79	4.67	4.83	4.75	1.47	1.51	1.50	2.46	1.34	1.94	.00	.01	.02

Note. Effect sizes were partial eta-squareds (η_p^2). W = Women. M = Men. O = Overall. A = Age. S = Sex.

* $p < .05$. ** $p < .01$. *** $p < .001$.

Table C5

Ratings of Imagery in the Word Rating Study by Age Group and Sex

	Means						Standard Deviations						Effect Sizes		
	Young Adults			Older Adults			Young Adults			Older Adults			A	S	AxS
	W	M	O	W	M	O	W	M	O	W	M	O			
abhängig	4.08	3.36	3.74	3.33	3.08	3.21	1.62	1.96	1.79	2.15	1.73	1.91	.02	.02	.00
abwesend	3.83	3.25	3.54	5.00	3.58	4.29	2.25	1.87	2.04	1.95	2.28	2.20	.03	.06	.01
aggressiv	5.55	6.42	6.00	5.92	6.08	6.00	1.97	1.00	1.57	1.44	1.00	1.22	.00	.04	.02
akkurat	4.42	3.08	3.75	5.08	3.75	4.42	1.44	2.11	1.89	2.07	1.77	2.00	.03	.12*	.00
aktiv	5.50	5.75	5.62	5.92	4.83	5.38	1.78	1.06	1.44	1.17	1.70	1.53	.01	.02	.05
albern	5.75	5.75	5.75	5.25	5.17	5.21	1.36	1.22	1.26	2.01	1.12	1.59	.04	.00	.00
alt	6.73	6.33	6.52	6.27	6.58	6.43	0.65	0.99	0.85	1.68	0.67	1.24	.00	.00	.03
amüsiert	5.83	5.42	5.63	6.00	5.00	5.50	1.47	1.38	1.41	1.13	1.71	1.50	.00	.06	.01
analytisch	2.27	2.83	2.57	3.75	3.08	3.42	1.19	2.08	1.70	2.05	1.68	1.86	.06	.00	.03
angeekelt	6.08	6.25	6.17	5.33	4.91	5.13	1.51	1.06	1.27	2.10	2.07	2.05	.09*	.00	.01
angenehm	4.00	4.08	4.04	4.75	4.10	4.45	2.05	1.88	1.92	2.18	1.73	1.97	.01	.01	.01
angepaßt	2.18	3.08	2.65	3.42	3.00	3.21	0.60	2.19	1.67	1.73	1.65	1.67	.03	.01	.04
angeregt	3.67	3.75	3.71	4.75	4.58	4.67	1.78	1.82	1.76	1.87	1.78	1.79	.07	.00	.00
angespannt	4.50	4.58	4.54	4.17	4.00	4.08	1.45	1.62	1.50	1.70	1.54	1.59	.02	.00	.00
ängstlich	5.42	5.92	5.67	4.92	5.33	5.13	1.56	1.17	1.37	1.68	1.44	1.54	.04	.03	.00
arrogant	5.00	5.08	5.04	4.75	5.33	5.04	1.79	1.83	1.77	2.09	2.02	2.03	.00	.01	.00
attraktiv	6.64	6.42	6.52	6.08	6.17	6.12	0.67	1.00	0.85	1.00	0.94	0.95	.05	.00	.01
aufbrausend	4.83	5.83	5.33	4.67	4.92	4.79	1.59	1.70	1.69	2.61	1.88	2.23	.02	.03	.01
aufgewühlt	4.00	4.58	4.29	5.08	4.42	4.75	2.26	1.44	1.88	1.98	1.56	1.78	.02	.00	.03
aufmerksam	3.83	4.58	4.21	5.17	5.00	5.08	1.99	1.62	1.82	1.53	1.21	1.35	.07	.01	.02
ausdauernd	4.00	3.67	3.83	4.25	4.25	4.25	1.60	2.02	1.79	1.91	1.96	1.89	.01	.00	.00
ausgeglichen	3.75	3.50	3.62	4.50	2.83	3.67	1.42	1.83	1.61	1.88	1.47	1.86	.00	.08	.05
autoritär	4.75	5.75	5.25	4.33	5.42	4.88	1.91	1.66	1.82	2.54	1.68	2.17	.01	.07	.00
bedächtig	3.58	3.42	3.50	4.50	3.50	4.00	1.56	1.68	1.59	1.93	1.78	1.89	.02	.03	.01
begeistert	5.45	6.00	5.74	5.67	5.67	5.67	1.81	1.04	1.45	1.56	1.07	1.31	.00	.01	.01
beharrlich	2.92	3.33	3.13	4.25	3.08	3.67	1.31	1.67	1.48	2.01	1.93	2.01	.02	.01	.05
beherrscht	3.33	4.25	3.79	4.83	3.92	4.38	1.56	1.96	1.79	1.95	1.68	1.84	.03	.00	.07
bekümmert	3.64	4.67	4.17	4.67	4.42	4.54	1.50	1.61	1.61	1.88	1.44	1.64	.02	.02	.04
berechnend	3.09	2.92	3.00	3.42	3.50	3.46	1.64	1.62	1.60	2.28	2.36	2.27	.01	.00	.00
beschämt	4.42	3.92	4.17	4.25	3.92	4.08	1.56	1.83	1.69	2.09	1.73	1.89	.00	.01	.00
bescheiden	2.25	2.75	2.50	4.17	3.42	3.79	1.06	1.49	1.29	2.08	1.51	1.82	.15**	.00	.04
besonnen	3.25	3.25	3.25	4.00	3.50	3.75	1.71	1.82	1.73	2.13	1.38	1.78	.02	.00	.00
besorgt	5.25	5.42	5.33	4.33	3.73	4.04	1.82	1.44	1.61	2.02	2.05	2.01	.12*	.00	.01
bestimmend	3.42	4.67	4.04	4.67	4.75	4.71	2.02	1.67	1.92	1.78	1.55	1.63	.04	.04	.03
boshaft	5.00	5.42	5.21	4.92	4.42	4.67	2.05	1.98	1.98	2.54	2.28	2.37	.02	.00	.01
brutal	6.42	6.67	6.54	5.25	5.83	5.54	1.00	0.49	0.78	2.45	1.70	2.09	.10*	.02	.00
defensiv	3.42	4.00	3.71	4.00	3.33	3.67	1.31	1.48	1.40	2.37	1.61	2.01	.00	.00	.03
depressiv	4.58	4.17	4.37	5.00	5.08	5.04	1.83	2.21	2.00	2.13	2.02	2.03	.03	.00	.00
deprimiert	4.58	5.50	5.04	4.58	5.08	4.83	1.78	1.09	1.52	2.07	1.44	1.76	.00	.05	.00
direkt	2.50	3.08	2.79	4.33	3.70	4.05	1.09	2.02	1.62	2.10	1.77	1.94	.11*	.00	.03

(table continued)

Table C5 (continued)

Ratings of Imagery in the Word Rating Study by Age Group and Sex

	Means						Standard Deviations						Effect Sizes		
	Young Adults			Older Adults			Young Adults			Older Adults			A	S	AxS
	W	M	O	W	M	O	W	M	O	W	M	O			
diskret	2.42	2.08	2.25	3.67	3.42	3.54	1.78	1.00	1.42	2.15	1.93	2.00	.13*	.01	.00
dominant	5.50	5.75	5.62	5.08	5.00	5.04	1.38	1.29	1.31	2.19	1.41	1.81	.03	.00	.00
dumm	4.08	5.25	4.67	5.25	5.17	5.21	2.19	1.96	2.12	2.18	1.80	1.96	.02	.02	.02
egoistisch	3.27	4.67	4.00	4.00	3.42	3.71	1.42	2.35	2.05	2.30	1.93	2.10	.00	.01	.06
ehrgeizig	3.00	4.08	3.57	4.17	4.25	4.21	1.90	1.31	1.67	2.13	1.60	1.84	.04	.03	.02
ehrlich	3.83	2.92	3.38	4.83	3.33	4.08	2.08	1.38	1.79	1.99	1.72	1.98	.04	.11*	.01
eigenwillig	3.25	2.92	3.08	4.42	3.17	3.79	1.14	1.93	1.56	2.02	1.75	1.96	.04	.05	.02
einfalllos	3.25	3.67	3.46	3.08	2.09	2.61	1.82	1.67	1.72	1.51	1.38	1.50	.07	.01	.05
einfühlsam	2.36	2.83	2.61	4.00	3.42	3.71	1.12	1.90	1.56	1.91	1.68	1.78	.10*	.00	.03
einsam	4.75	6.42	5.58	4.42	4.67	4.54	1.82	0.52	1.56	2.15	1.72	1.91	.10*	.08	.05
eitel	5.55	6.00	5.78	5.33	4.67	5.00	1.81	1.21	1.51	2.06	1.67	1.87	.05	.00	.03
emotional	4.00	4.25	4.12	5.33	4.00	4.67	2.05	2.05	2.01	1.83	2.05	2.01	.02	.02	.04
empfindlich	3.83	4.42	4.12	4.42	4.17	4.29	1.85	1.98	1.90	1.93	1.75	1.81	.00	.00	.01
energisch	4.42	4.50	4.46	5.33	4.58	4.96	1.68	1.57	1.59	1.44	1.62	1.55	.03	.01	.02
entschlossen	3.42	4.08	3.75	4.75	4.50	4.63	2.11	1.88	1.98	2.22	1.73	1.95	.05	.00	.01
entspannt	4.58	5.67	5.13	4.00	3.75	3.87	1.93	1.07	1.62	2.13	1.77	1.92	.12*	.01	.04
enttäuscht	4.00	4.67	4.33	4.25	4.00	4.13	1.65	1.88	1.76	1.96	1.21	1.60	.00	.00	.02
erfahren	2.83	2.75	2.79	3.42	3.58	3.50	1.53	1.91	1.69	2.07	1.24	1.67	.04	.00	.00
erfolgreich	4.58	6.25	5.42	4.83	4.75	4.79	1.68	0.97	1.59	1.53	1.82	1.64	.04	.07	.08
erfreut	5.42	6.00	5.71	6.00	5.50	5.75	1.83	0.85	1.43	1.21	1.24	1.23	.00	.00	.04
ernst	4.58	4.92	4.75	5.25	4.00	4.62	1.51	1.38	1.42	1.96	1.91	2.00	.00	.02	.05
erschöpft	4.58	5.17	4.88	5.08	5.75	5.42	1.78	2.04	1.90	1.98	0.87	1.53	.03	.03	.00
erstaunt	5.08	6.00	5.54	4.67	5.25	4.96	1.83	1.71	1.79	1.78	1.14	1.49	.03	.05	.00
feige	3.67	4.42	4.04	4.42	4.50	4.46	1.72	2.11	1.92	2.19	1.93	2.02	.01	.01	.01
feindselig	3.83	4.67	4.25	4.58	5.33	4.96	1.90	2.02	1.96	2.11	1.88	1.99	.03	.04	.00
fies	4.75	5.92	5.33	4.58	5.50	5.04	2.34	0.90	1.83	2.54	1.88	2.24	.01	.07	.00
flexibel	2.73	2.58	2.65	4.08	3.50	3.79	1.27	1.56	1.40	2.07	1.83	1.93	.11*	.01	.00
frech	5.08	6.33	5.71	5.33	5.75	5.54	1.78	0.89	1.52	1.97	0.62	1.44	.00	.08	.02
friedlich	4.75	5.33	5.04	4.75	5.25	5.00	1.82	1.30	1.57	2.42	1.36	1.93	.00	.02	.00
fröhlich	6.08	6.08	6.08	6.25	6.42	6.33	1.38	0.79	1.10	0.97	0.79	0.87	.02	.00	.00
frustriert	3.75	4.67	4.21	3.75	4.50	4.13	1.77	1.88	1.84	2.18	1.78	1.99	.00	.05	.00
furchtlos	3.92	5.42	4.67	5.00	4.50	4.75	1.83	1.38	1.76	1.86	1.57	1.70	.00	.02	.09*
furchtsam	3.75	5.08	4.42	4.36	5.67	5.04	1.66	1.68	1.77	2.25	0.99	1.80	.03	.14*	.00
gebildet	3.08	5.09	4.04	4.25	4.42	4.33	1.78	1.38	1.87	2.14	2.02	2.04	.00	.08	.06
geduldig	3.50	3.33	3.42	4.00	3.67	3.83	1.88	1.72	1.77	2.32	1.16	1.78	.01	.00	.00
gehemmt	3.25	3.33	3.29	4.00	3.92	3.96	1.14	1.61	1.37	2.10	2.07	2.03	.04	.00	.00
gehorsam	4.17	5.50	4.83	4.33	4.17	4.25	1.53	1.38	1.58	2.02	1.99	1.96	.03	.03	.05
geizig	4.36	6.08	5.26	4.25	4.50	4.38	1.50	0.90	1.48	2.45	2.07	2.22	.05	.07	.04
gelangweilt	4.17	5.92	5.04	3.67	3.92	3.79	1.64	0.90	1.57	2.02	1.78	1.87	.14*	.09*	.05
gelassen	3.25	4.00	3.63	4.82	2.64	3.73	1.22	2.00	1.66	2.23	1.36	2.12	.00	.04	.16**

(table continued)

Table C5 (continued)

Ratings of Imagery in the Word Rating Study by Age Group and Sex

	Means						Standard Deviations						Effect Sizes		
	Young Adults			Older Adults			Young Adults			Older Adults			A	S	AxS
	W	M	O	W	M	O	W	M	O	W	M	O			
gemütlich	5.67	5.67	5.67	5.00	5.25	5.13	1.50	0.89	1.20	1.71	1.22	1.45	.04	.00	.00
genügsam	2.58	3.33	2.96	4.75	3.25	4.00	1.44	1.67	1.57	2.18	1.77	2.09	.08*	.01	.10*
gerecht	4.33	4.58	4.46	3.58	2.42	3.00	2.02	1.88	1.91	2.43	1.51	2.06	.13*	.01	.03
gereizt	4.08	4.50	4.29	5.58	5.33	5.46	1.88	1.83	1.83	1.73	1.61	1.64	.11*	.00	.01
geschickt	4.00	3.92	3.96	4.75	4.25	4.50	1.34	1.78	1.55	1.96	1.49	1.72	.03	.01	.00
geschwätzig	4.50	5.33	4.92	5.17	5.33	5.25	1.68	1.07	1.44	1.85	1.61	1.70	.01	.03	.01
gesellig	5.33	5.58	5.46	5.50	5.75	5.63	2.10	1.83	1.93	1.45	1.14	1.28	.00	.01	.00
gesprächig	4.67	4.42	4.54	5.25	4.50	4.88	1.92	2.11	1.98	1.87	1.78	1.83	.01	.02	.00
gesund	6.00	4.92	5.46	4.67	5.25	4.96	1.54	1.98	1.82	2.54	1.71	2.14	.02	.00	.05
gewissenhaft	2.92	2.83	2.87	4.17	3.58	3.87	2.11	1.47	1.78	1.95	1.68	1.80	.08	.01	.00
gierig	4.92	6.00	5.46	4.42	5.17	4.79	1.83	1.13	1.59	2.11	1.70	1.91	.04	.07	.00
glücklich	6.17	5.58	5.88	6.36	5.36	5.86	1.27	1.62	1.45	1.50	1.91	1.75	.00	.06	.00
grausam	5.75	6.17	5.96	5.58	6.00	5.79	1.66	0.84	1.30	1.93	1.54	1.72	.00	.02	.00
gründlich	3.50	4.42	3.96	4.42	3.67	4.04	1.88	1.44	1.71	2.39	1.83	2.12	.00	.00	.05
gütig	3.83	3.58	3.71	5.25	4.18	4.74	2.13	1.83	1.94	2.05	1.94	2.03	.06	.03	.01
harmlos	3.33	3.58	3.46	4.00	2.27	3.17	1.97	1.93	1.91	2.13	1.49	2.02	.01	.04	.07
häßlich	6.33	6.75	6.54	5.42	6.83	6.12	1.50	0.62	1.14	2.07	0.39	1.62	.03	.11*	.04
heiter	5.58	5.58	5.58	5.92	5.33	5.62	1.78	1.00	1.41	1.31	1.72	1.53	.00	.01	.01
hektisch	5.50	6.00	5.75	5.08	5.00	5.04	1.57	0.85	1.26	2.23	1.73	1.97	.05	.00	.01
hemmungslos	3.83	5.42	4.63	5.91	4.75	5.30	1.90	1.38	1.81	1.45	2.38	2.03	.04	.00	.13*
hilflos	4.17	4.92	4.54	4.67	4.92	4.79	1.85	2.07	1.96	2.19	1.44	1.82	.00	.02	.00
höflich	4.18	5.08	4.65	5.42	4.33	4.88	1.47	1.51	1.53	1.78	1.30	1.62	.01	.00	.10*
impulsiv	4.42	3.92	4.17	5.25	4.75	5.00	1.38	2.15	1.79	2.01	2.09	2.02	.05	.02	.00
intelligent	4.17	4.58	4.38	4.75	2.92	3.83	1.95	2.02	1.95	2.18	1.62	2.10	.02	.03	.08
interessiert	4.00	4.33	4.17	4.82	3.75	4.26	1.61	1.88	1.72	2.36	1.91	2.16	.00	.01	.03
ironisch	3.42	2.75	3.08	4.42	3.92	4.17	2.58	1.87	2.23	2.07	1.93	1.97	.07	.02	.00
irritiert	4.25	4.17	4.21	4.08	3.75	3.92	1.42	1.95	1.67	1.88	1.66	1.74	.01	.00	.00
jung	6.08	6.42	6.25	6.33	6.00	6.17	0.90	1.44	1.19	1.16	1.55	1.34	.00	.00	.02
kämpferisch	5.75	6.17	5.96	6.17	5.58	5.88	1.42	1.12	1.27	1.03	1.62	1.36	.00	.00	.04
kontrolliert	3.17	3.08	3.13	4.00	3.50	3.75	1.47	1.78	1.60	1.95	1.31	1.65	.04	.01	.00
konzentriert	4.50	4.92	4.71	4.36	3.58	3.96	1.57	1.62	1.57	1.96	1.68	1.82	.05	.00	.03
kraftvoll	5.50	5.25	5.38	5.75	5.17	5.46	1.17	1.82	1.50	1.29	1.19	1.25	.00	.02	.00
krank	6.25	6.33	6.29	5.17	6.00	5.58	1.22	1.23	1.20	2.17	1.21	1.77	.06	.02	.02
kreativ	5.67	5.08	5.38	5.92	4.67	5.29	1.67	1.73	1.69	1.73	1.72	1.81	.00	.07	.01
kritisch	2.92	3.25	3.08	3.75	3.42	3.58	1.56	1.77	1.64	1.60	1.62	1.59	.02	.00	.01
lahm	4.75	4.55	4.65	4.83	5.42	5.13	1.77	2.34	2.01	1.95	1.88	1.90	.02	.00	.01
langsam	5.17	5.08	5.12	5.58	4.42	5.00	1.27	1.93	1.60	1.83	1.62	1.79	.00	.04	.03
launisch	4.42	3.25	3.83	4.45	3.73	4.09	1.62	1.49	1.63	2.34	2.05	2.18	.00	.06	.00
lebhaft	5.50	5.33	5.42	5.58	5.58	5.58	1.31	1.30	1.28	1.56	1.00	1.28	.00	.00	.00
liberal	2.17	2.33	2.25	3.25	2.42	2.83	1.27	1.72	1.48	2.09	1.78	1.95	.03	.01	.02

(table continued)

Table C5 (continued)

Ratings of Imagery in the Word Rating Study by Age Group and Sex

	Means						Standard Deviations						Effect Sizes		
	Young Adults			Older Adults			Young Adults			Older Adults			A	S	AxS
	W	M	O	W	M	O	W	M	O	W	M	O			
listig	4.00	5.08	4.54	3.92	4.00	3.96	2.26	1.31	1.89	1.93	1.95	1.90	.02	.02	.02
lustig	6.17	6.25	6.21	6.17	5.36	5.78	1.34	0.75	1.06	1.19	2.16	1.73	.02	.02	.02
mitfühlend	3.75	4.25	4.00	4.92	3.33	4.12	1.66	1.66	1.64	2.02	1.50	1.92	.00	.03	.09*
moralisch	2.83	3.08	2.96	3.83	2.83	3.33	1.75	1.98	1.83	1.75	1.47	1.66	.01	.01	.03
müde	6.33	6.33	6.33	5.58	6.08	5.83	1.07	1.16	1.09	1.44	0.79	1.17	.05	.01	.01
mutig	4.82	5.75	5.30	5.17	5.00	5.08	1.83	1.77	1.82	2.08	1.65	1.84	.00	.01	.02
nachgiebig	2.83	2.75	2.79	3.92	2.92	3.42	1.53	1.91	1.69	2.31	1.31	1.91	.03	.02	.02
naiv	3.25	3.83	3.54	3.36	3.00	3.17	1.91	2.69	2.30	2.11	2.13	2.08	.01	.00	.01
neidisch	3.92	4.25	4.08	3.92	4.33	4.13	2.02	1.77	1.86	2.11	1.78	1.92	.00	.01	.00
nervös	4.75	5.42	5.08	5.45	4.58	5.00	1.49	1.44	1.47	1.86	1.31	1.62	.00	.00	.06
neutral	2.64	2.08	2.35	3.00	3.17	3.08	1.69	1.31	1.50	1.71	1.47	1.56	.06	.00	.01
normal	1.83	2.17	2.00	3.08	2.92	3.00	1.03	1.40	1.22	1.88	1.44	1.64	.11*	.00	.01
offen	3.08	3.75	3.42	5.17	4.00	4.58	1.44	2.22	1.86	2.41	1.86	2.19	.08	.00	.05
ordentlich	4.83	5.08	4.96	5.83	4.58	5.21	1.64	1.38	1.49	1.80	1.24	1.64	.01	.03	.06
passiv	2.50	3.33	2.92	4.08	3.42	3.75	1.31	1.88	1.64	2.58	1.56	2.11	.05	.00	.04
planlos	4.00	4.33	4.17	3.25	3.42	3.33	1.95	2.46	2.19	1.87	2.11	1.95	.04	.00	.00
praktisch	3.00	2.67	2.83	5.25	4.58	4.92	1.76	1.07	1.44	1.82	1.83	1.82	.30***	.02	.00
pünktlich	4.25	4.33	4.29	5.75	4.33	5.04	2.18	2.02	2.05	2.09	2.23	2.24	.03	.03	.03
raffiniert	3.67	3.33	3.50	3.83	3.45	3.65	2.02	1.88	1.91	1.85	1.75	1.77	.00	.01	.00
rastlos	4.08	3.42	3.75	4.42	4.75	4.58	1.51	1.73	1.62	1.98	1.36	1.67	.06	.00	.02
rational	2.17	2.83	2.50	3.58	3.33	3.46	1.47	2.33	1.93	1.73	2.02	1.84	.06	.00	.01
reif	3.42	3.58	3.50	4.75	3.75	4.25	1.88	1.88	1.84	2.18	1.87	2.05	.04	.01	.02
reizbar	2.75	3.25	3.00	4.17	4.17	4.17	1.49	1.87	1.67	2.25	2.13	2.14	.09*	.00	.00
reserviert	3.33	2.33	2.83	4.42	3.42	3.92	1.61	1.61	1.66	1.98	1.31	1.72	.11*	.09*	.00
resolut	4.83	2.67	3.75	5.50	4.64	5.09	2.04	1.72	2.15	1.57	1.96	1.78	.12*	.16**	.03
ruhig	4.42	4.42	4.42	5.25	3.25	4.25	1.44	1.17	1.28	2.01	1.36	1.96	.00	.10*	.10*
sachlich	3.00	3.00	3.00	4.92	3.17	4.04	1.65	1.60	1.59	2.19	1.59	2.07	.09*	.06	.06
sanft	4.92	4.50	4.71	4.73	4.08	4.39	1.68	1.88	1.76	2.19	1.44	1.83	.01	.02	.00
scheu	4.67	4.42	4.54	4.50	4.83	4.67	1.61	1.56	1.56	2.19	1.03	1.69	.00	.00	.01
schläfrig	5.50	6.08	5.79	5.67	5.33	5.50	1.62	1.24	1.44	2.10	1.37	1.75	.01	.00	.02
schüchtern	4.33	5.17	4.75	4.42	4.67	4.54	1.37	1.59	1.51	2.15	0.89	1.62	.00	.03	.01
schuldig	4.08	3.92	4.00	3.33	3.58	3.46	1.98	2.43	2.17	2.42	1.83	2.11	.02	.00	.00
schwach	5.18	5.42	5.30	4.58	4.25	4.42	1.40	1.51	1.43	1.98	1.55	1.74	.07	.00	.01
schweigsam	4.67	4.08	4.38	4.75	4.75	4.75	1.67	1.88	1.77	1.77	1.49	1.60	.01	.01	.01
sehnsüchtig	4.42	5.33	4.87	3.67	3.58	3.62	1.88	1.92	1.92	2.27	1.98	2.08	.09*	.01	.02
sensibel	3.25	3.42	3.33	4.75	3.17	3.96	1.29	2.19	1.76	2.45	1.59	2.18	.03	.03	.05
sentimental	3.92	3.00	3.46	4.75	2.33	3.54	1.62	1.81	1.74	2.01	1.44	2.11	.00	.20**	.05
sinnlich	5.50	5.83	5.67	5.33	5.00	5.17	1.73	1.70	1.69	1.67	1.91	1.76	.02	.00	.01
skeptisch	4.25	4.67	4.46	3.33	3.18	3.26	1.49	1.56	1.50	1.56	2.09	1.79	.12*	.00	.01
sorgfältig	2.83	4.75	3.79	4.00	3.75	3.88	1.34	1.22	1.59	2.59	1.42	2.05	.00	.06	.10*

(table continued)

Table C5 (continued)

Ratings of Imagery in the Word Rating Study by Age Group and Sex

	Means						Standard Deviations						Effect Sizes		
	Young Adults			Older Adults			Young Adults			Older Adults			A	S	AxS
	W	M	O	W	M	O	W	M	O	W	M	O			
spontan	3.08	3.42	3.25	4.92	3.50	4.21	2.15	2.02	2.05	1.88	1.98	2.02	.06	.02	.05
stark	6.33	6.25	6.29	6.17	5.09	5.65	0.99	0.62	0.81	1.27	1.87	1.64	.07	.05	.04
still	5.00	4.67	4.83	4.92	4.09	4.52	1.71	2.02	1.83	2.11	2.12	2.11	.01	.02	.00
stolz	5.00	5.58	5.29	4.83	5.33	5.08	1.71	1.38	1.55	2.08	1.37	1.74	.00	.03	.00
streng	5.00	6.08	5.54	5.00	5.00	5.00	1.41	0.90	1.29	1.95	1.35	1.64	.04	.04	.04
stur	4.75	3.75	4.25	4.58	3.82	4.22	2.01	1.66	1.87	2.07	2.18	2.11	.00	.05	.00
subjektiv	1.58	1.33	1.46	2.17	1.33	1.75	0.67	0.65	0.66	1.70	0.89	1.39	.02	.07	.02
taktvoll	3.08	3.67	3.37	5.17	3.45	4.35	2.11	1.67	1.88	1.59	1.57	1.77	.07	.03	.10*
tolerant	2.75	2.50	2.63	4.50	3.33	3.92	1.60	1.45	1.50	2.24	1.92	2.13	.12*	.04	.02
träge	4.45	3.92	4.17	4.50	3.75	4.13	1.75	1.78	1.75	2.36	2.05	2.19	.00	.03	.00
traurig	6.45	6.42	6.43	6.18	6.17	6.17	0.69	0.79	0.73	0.87	0.84	0.83	.03	.00	.00
treu	3.92	2.75	3.33	4.33	4.17	4.25	1.83	1.60	1.79	2.06	1.64	1.82	.07	.04	.02
überheblich	4.75	3.83	4.29	4.50	4.73	4.61	1.42	1.75	1.63	2.24	1.85	2.02	.01	.01	.03
überrascht	6.17	5.83	6.00	5.00	4.55	4.78	1.47	0.94	1.22	1.81	1.81	1.78	.15**	.02	.00
umsichtig	3.00	3.83	3.42	4.50	3.67	4.08	1.91	1.64	1.79	2.24	1.61	1.95	.03	.00	.05
unangenehm	3.25	3.58	3.42	4.58	3.75	4.17	1.42	1.51	1.44	2.43	1.71	2.10	.04	.00	.03
ungestüm	5.08	4.58	4.83	5.67	5.42	5.54	1.44	1.78	1.61	1.88	1.00	1.47	.05	.01	.00
unnahbar	4.18	3.33	3.74	4.75	4.50	4.63	1.72	1.88	1.82	1.96	1.24	1.61	.06	.03	.01
unruhig	5.00	4.42	4.71	4.67	5.17	4.92	1.28	1.93	1.63	2.10	1.03	1.64	.00	.00	.03
unsicher	3.42	4.92	4.17	4.00	3.27	3.65	1.56	1.68	1.76	2.05	1.35	1.75	.03	.01	.11*
verärgert	5.42	5.83	5.62	4.75	5.33	5.04	1.44	1.12	1.28	1.87	1.16	1.55	.04	.03	.00
vergnügt	5.83	6.17	6.00	6.25	6.08	6.17	1.40	1.03	1.22	1.49	1.08	1.27	.00	.00	.01
verlegen	4.00	5.08	4.57	4.33	3.92	4.12	1.48	1.44	1.53	2.15	1.51	1.83	.02	.01	.05
verletzlich	3.67	4.17	3.92	4.42	3.92	4.17	1.50	1.90	1.69	2.31	2.23	2.24	.00	.00	.02
verlogen	3.25	3.58	3.42	3.25	3.08	3.17	1.60	2.11	1.84	1.87	2.07	1.93	.00	.00	.00
vernünftig	2.42	3.00	2.71	4.42	3.33	3.87	1.08	1.60	1.37	1.98	1.16	1.68	.14*	.01	.08
verspielt	5.50	4.83	5.17	5.33	5.17	5.25	1.09	1.27	1.20	1.23	1.03	1.11	.00	.03	.01
verträumt	6.09	5.67	5.87	4.91	4.33	4.61	1.04	1.44	1.25	1.97	1.44	1.70	.16**	.03	.00
verwirrt	4.83	5.83	5.33	4.08	4.17	4.13	1.75	1.12	1.52	2.47	1.53	2.01	.11*	.02	.02
verwöhnt	3.92	4.25	4.08	3.67	4.08	3.88	1.51	2.14	1.82	2.15	1.78	1.94	.00	.01	.00
vorsichtig	4.50	4.67	4.58	3.75	4.17	3.96	1.73	1.50	1.59	2.05	1.85	1.92	.03	.01	.00
wach	5.67	4.42	5.04	6.00	4.25	5.13	1.37	2.07	1.83	1.48	1.91	1.90	.00	.17**	.01
wählerisch	3.92	4.17	4.04	3.67	3.09	3.39	1.88	1.59	1.71	1.92	1.92	1.90	.03	.00	.01
weich	5.83	4.75	5.29	4.58	4.42	4.50	1.75	2.22	2.03	1.73	1.88	1.77	.04	.03	.02
weise	4.17	5.83	5.00	3.58	4.50	4.04	2.21	0.94	1.87	1.88	1.88	1.90	.07	.12*	.01
zaghaf	3.33	3.75	3.54	4.25	3.75	4.00	1.61	1.22	1.41	1.71	1.60	1.64	.02	.00	.02
zärtlich	5.33	6.42	5.87	6.50	6.08	6.29	1.92	0.79	1.54	0.67	0.90	0.81	.03	.02	.10*
zerstreut	4.45	5.67	5.09	4.67	4.00	4.33	1.57	1.30	1.54	1.72	1.41	1.58	.06	.01	.10*
zornig	5.83	6.25	6.04	5.50	5.92	5.71	1.19	0.75	1.00	1.93	0.79	1.46	.02	.03	.00
zufrieden	4.83	5.58	5.21	5.42	4.36	4.91	1.99	1.51	1.77	1.62	2.16	1.93	.01	.00	.06

Note. Effect sizes were partial eta-squareds (η_p^2). W = Women. M = Men. O = Overall. A = Age. S = Sex.

* $p < .05$. ** $p < .01$. *** $p < .001$.

Table C6

Ratings of Self-Relevance in the Word Rating Study by Age Group and Sex

	Means						Standard Deviations						Effect Sizes		
	Young Adults			Older Adults			Young Adults			Older Adults			A	S	AxS
	W	M	O	W	M	O	W	M	O	W	M	O			
abhängig	3.42	3.67	3.54	1.67	2.58	2.13	1.51	1.83	1.64	1.30	1.88	1.65	.17**	.03	.01
abwesend	2.58	2.92	2.75	1.83	2.25	2.04	1.51	1.51	1.48	0.94	1.49	1.23	.07	.02	.00
aggressiv	2.25	3.08	2.67	2.50	3.00	2.74	0.87	1.56	1.31	1.93	1.67	1.79	.00	.05	.00
akkurat	4.67	4.18	4.43	5.58	5.50	5.54	1.44	1.33	1.38	1.38	1.24	1.29	.16**	.01	.01
aktiv	6.08	4.83	5.46	6.25	5.50	5.88	0.90	1.27	1.25	0.87	1.09	1.03	.04	.20**	.01
albern	4.75	5.58	5.17	2.25	2.00	2.13	1.49	1.17	1.37	1.55	1.13	1.33	.58***	.01	.04
alt	1.75	2.00	1.87	5.58	6.00	5.79	1.14	1.60	1.36	2.23	1.35	1.82	.61***	.01	.00
amüsiert	5.25	5.25	5.25	4.58	4.50	4.54	1.14	1.14	1.11	1.51	1.09	1.29	.08	.00	.00
analytisch	4.25	4.92	4.58	4.58	5.50	5.04	1.71	1.83	1.77	1.44	1.45	1.49	.02	.06	.00
angeekelt	2.08	1.83	1.96	1.25	1.58	1.42	1.00	1.19	1.08	0.87	1.17	1.02	.07	.00	.02
angenehm	6.25	5.58	5.92	5.33	4.91	5.13	0.87	0.90	0.93	0.99	1.45	1.22	.13*	.07	.00
angepaßt	3.50	3.50	3.50	4.25	3.92	4.08	1.00	1.93	1.50	1.91	1.73	1.79	.03	.00	.00
angeregt	5.25	5.00	5.13	5.64	4.92	5.26	0.75	0.74	0.74	0.81	1.00	0.96	.01	.08	.02
angespannt	4.00	3.25	3.63	3.17	3.50	3.33	1.65	1.36	1.53	1.59	1.57	1.55	.01	.00	.03
ängstlich	3.25	2.50	2.88	2.75	2.25	2.50	1.29	1.17	1.26	1.60	1.29	1.45	.02	.06	.00
arrogant	3.50	3.00	3.25	1.50	2.08	1.79	1.78	1.60	1.68	0.80	1.68	1.32	.20**	.00	.03
attraktiv	5.42	5.25	5.33	4.92	3.75	4.33	0.67	0.75	0.70	1.31	1.36	1.44	.19**	.10*	.06
aufbrausend	3.50	3.50	3.50	2.92	2.50	2.71	1.31	1.73	1.50	1.73	1.88	1.78	.06	.00	.00
aufgewühlt	3.58	3.58	3.58	3.58	3.25	3.42	1.17	1.68	1.41	1.68	1.66	1.64	.00	.00	.00
aufmerksam	6.17	5.67	5.92	5.83	5.83	5.83	0.72	1.16	0.97	1.12	0.84	0.96	.00	.02	.02
ausdauernd	5.25	5.08	5.17	6.08	5.50	5.79	0.97	1.17	1.05	1.17	1.17	1.18	.08	.03	.01
ausgeglichen	4.92	4.08	4.50	5.33	5.00	5.17	1.31	1.88	1.64	1.50	1.41	1.44	.05	.04	.01
autoritär	3.25	2.92	3.08	4.08	2.92	3.50	1.91	1.56	1.72	2.07	2.11	2.13	.01	.04	.01
bedächtig	3.92	4.00	3.96	4.50	4.67	4.58	1.24	1.41	1.30	1.57	1.78	1.64	.04	.00	.00
begeistert	5.67	5.00	5.33	5.92	4.92	5.42	0.65	1.21	1.01	1.17	1.17	1.25	.00	.14*	.01
beharrlich	4.83	4.17	4.50	5.67	5.25	5.46	1.53	1.53	1.53	1.37	0.75	1.10	.12*	.04	.00
beherrscht	4.58	4.00	4.29	4.91	5.33	5.13	1.24	1.71	1.49	1.51	0.99	1.25	.09*	.00	.03
bekümmert	3.58	3.33	3.46	2.58	3.08	2.83	1.17	1.56	1.35	1.38	1.56	1.47	.05	.00	.02
berechnend	2.17	3.25	2.71	2.67	3.08	2.88	1.12	1.87	1.60	1.72	1.44	1.57	.00	.06	.01
beschämt	2.75	2.83	2.79	2.42	2.83	2.63	1.36	1.27	1.29	1.31	1.19	1.25	.00	.01	.00
bescheiden	4.17	4.33	4.25	4.83	4.00	4.42	1.40	1.50	1.42	1.59	1.13	1.41	.00	.01	.03
besonnen	4.33	4.42	4.38	5.67	5.83	5.75	0.99	1.38	1.17	1.30	0.84	1.07	.28***	.00	.00
besorgt	4.83	4.25	4.54	5.00	4.92	4.96	1.64	1.29	1.47	1.28	1.00	1.12	.03	.02	.01
bestimmend	4.17	4.08	4.13	4.33	4.08	4.21	1.47	1.31	1.36	2.31	1.83	2.04	.00	.00	.00
boshaft	1.42	2.00	1.71	1.58	1.83	1.71	0.67	1.13	0.96	1.00	1.64	1.33	.00	.03	.01
brutal	1.00	2.00	1.50	1.00	1.33	1.17	0.00	1.54	1.18	0.00	0.78	0.56	.04	.14*	.04
defensiv	3.08	3.50	3.29	2.50	3.92	3.21	1.17	1.38	1.27	1.62	1.56	1.72	.00	.10*	.03
depressiv	2.50	3.33	2.92	3.33	2.75	3.04	1.09	1.67	1.44	1.92	2.05	1.97	.00	.00	.04
deprimiert	2.42	3.17	2.79	2.00	2.00	2.00	0.90	1.80	1.44	1.21	1.54	1.35	.08	.02	.02
direkt	4.75	4.17	4.46	5.42	5.42	5.42	1.14	1.34	1.25	1.44	1.00	1.21	.14*	.01	.01

(table continued)

Table C6 (continued)

Ratings of Self-Relevance in the Word Rating Study by Age Group and Sex

	Means						Standard Deviations						Effect Sizes		
	Young Adults			Older Adults			Young Adults			Older Adults			A	S	AxS
	W	M	O	W	M	O	W	M	O	W	M	O			
diskret	5.25	4.42	4.83	6.00	5.67	5.83	1.42	1.44	1.47	0.95	0.65	0.82	.17**	.06	.01
dominant	3.67	3.58	3.63	3.92	3.58	3.75	1.72	1.68	1.66	1.88	1.68	1.75	.00	.00	.00
dumm	1.17	1.50	1.33	1.33	1.25	1.29	0.39	0.52	0.48	0.65	0.62	0.62	.00	.01	.04
egoistisch	3.75	3.83	3.79	2.00	3.08	2.54	1.42	1.64	1.50	1.21	1.98	1.69	.14**	.04	.03
ehrgeizig	5.67	4.50	5.08	4.00	4.92	4.46	1.56	1.73	1.72	1.48	1.08	1.35	.05	.00	.12*
ehrlich	6.08	5.83	5.96	6.67	6.17	6.42	0.79	0.94	0.86	0.49	0.84	0.72	.09*	.06	.01
eigenwillig	5.67	5.00	5.33	5.50	4.17	4.83	1.16	1.48	1.34	1.98	1.85	1.99	.02	.09*	.01
einfalllos	2.08	2.08	2.08	2.00	2.33	2.17	0.79	1.31	1.06	1.76	1.67	1.69	.00	.00	.00
einfühlsam	6.17	6.25	6.21	6.25	5.42	5.83	0.72	0.87	0.78	0.97	1.00	1.05	.05	.05	.07
einsam	2.25	3.00	2.63	3.67	2.75	3.21	1.29	1.65	1.50	2.06	2.34	2.21	.03	.00	.05
eitel	3.75	4.17	3.96	3.17	2.42	2.79	1.66	1.34	1.49	1.34	1.98	1.69	.13*	.00	.03
emotional	6.00	4.33	5.17	4.92	3.92	4.42	1.35	1.88	1.81	1.88	1.68	1.82	.05	.14*	.01
empfindlich	5.67	5.00	5.33	4.50	3.92	4.21	0.78	1.13	1.01	1.78	1.93	1.84	.14*	.05	.00
energisch	4.67	4.00	4.33	5.67	5.08	5.38	1.56	1.28	1.44	0.78	1.00	0.92	.17**	.07	.00
entschlossen	4.50	4.08	4.29	5.67	5.33	5.50	1.68	1.68	1.65	1.16	1.07	1.10	.16**	.02	.00
entspannt	4.75	4.92	4.83	5.33	5.00	5.17	1.55	1.44	1.47	0.99	0.85	0.92	.02	.00	.01
enttäuscht	2.75	3.25	3.00	2.33	2.33	2.33	1.42	1.36	1.38	1.07	1.61	1.34	.06	.01	.01
erfahren	4.67	3.67	4.17	5.75	5.67	5.71	0.99	0.99	1.09	1.29	0.89	1.08	.37***	.07	.05
erfolgreich	5.42	5.17	5.29	4.25	5.00	4.63	0.79	1.34	1.08	1.42	0.85	1.21	.09*	.01	.05
erfreut	5.50	5.33	5.42	5.33	4.75	5.04	1.17	1.16	1.14	0.89	1.22	1.08	.03	.03	.01
ernst	4.83	4.75	4.79	4.67	4.92	4.79	1.47	1.49	1.44	1.16	1.73	1.44	.00	.00	.00
erschöpft	4.00	3.25	3.63	2.67	2.75	2.71	1.60	1.06	1.38	1.83	1.55	1.65	.09*	.01	.02
erstaunt	3.92	3.42	3.67	4.50	3.50	4.00	1.00	1.51	1.27	1.73	1.09	1.50	.02	.08	.01
feige	2.92	2.33	2.63	2.00	2.08	2.04	1.17	0.78	1.01	1.13	0.90	1.00	.08	.02	.03
feindselig	1.58	2.50	2.04	1.33	1.50	1.42	0.90	1.17	1.12	0.65	0.91	0.78	.11*	.09*	.04
fies	2.25	3.25	2.75	1.58	1.58	1.58	1.22	1.82	1.60	1.00	0.90	0.93	.18**	.04	.04
flexibel	5.50	5.50	5.50	6.17	5.67	5.92	1.24	1.00	1.10	0.84	1.16	1.02	.04	.01	.01
frech	4.67	4.75	4.71	3.00	2.58	2.79	0.89	1.77	1.37	2.05	1.62	1.82	.27***	.00	.01
friedlich	6.17	6.08	6.13	5.92	5.67	5.79	0.94	0.90	0.90	1.00	1.50	1.25	.02	.01	.00
fröhlich	5.92	5.58	5.75	5.25	5.00	5.13	1.00	1.38	1.19	1.29	1.13	1.19	.07	.02	.00
frustriert	3.00	2.92	2.96	1.75	2.67	2.21	1.35	1.31	1.30	1.36	1.72	1.59	.07	.02	.03
furchtlos	3.33	4.50	3.92	5.42	4.33	4.87	1.50	1.51	1.59	1.68	1.30	1.57	.10*	.00	.13*
furchtsam	3.00	2.92	2.96	2.67	3.00	2.83	1.04	1.17	1.08	1.23	1.41	1.31	.00	.00	.01
gebildet	5.58	5.58	5.58	5.17	5.42	5.29	0.52	0.79	0.65	0.94	1.31	1.12	.03	.00	.00
geduldig	4.42	4.17	4.29	5.50	4.83	5.17	1.08	1.90	1.52	1.31	1.12	1.24	.10*	.03	.01
gehemmt	2.08	2.75	2.42	2.33	2.58	2.46	0.79	1.71	1.35	1.97	1.73	1.82	.00	.02	.00
gehorsam	3.33	2.83	3.08	3.58	3.08	3.33	1.88	0.94	1.47	1.68	1.08	1.40	.01	.03	.00
geizig	2.17	2.33	2.25	1.92	1.83	1.88	1.53	1.56	1.51	1.38	1.40	1.36	.02	.00	.00
gelangweilt	2.58	2.83	2.71	2.08	2.92	2.50	1.51	1.40	1.43	1.17	1.83	1.56	.00	.03	.01
gelassen	4.42	5.25	4.83	5.33	5.33	5.33	1.08	1.14	1.17	1.30	1.07	1.17	.05	.03	.03

(table continued)

Table C6 (continued)

Ratings of Self-Relevance in the Word Rating Study by Age Group and Sex

	Means						Standard Deviations						Effect Sizes		
	Young Adults			Older Adults			Young Adults			Older Adults			A	S	AxS
	W	M	O	W	M	O	W	M	O	W	M	O			
gemütlich	5.00	4.92	4.96	5.25	5.08	5.17	1.28	1.44	1.33	1.42	1.62	1.49	.01	.00	.00
genügsam	4.00	4.67	4.33	5.92	5.00	5.46	1.86	1.50	1.69	1.08	1.86	1.56	.12*	.00	.06
gerecht	6.17	5.25	5.71	6.08	5.67	5.88	0.84	1.14	1.08	0.79	1.07	0.95	.01	.11*	.02
gereizt	2.83	2.67	2.75	2.36	2.75	2.57	1.12	1.72	1.42	1.43	1.60	1.50	.00	.00	.01
geschickt	5.25	4.67	4.96	6.17	4.33	5.25	1.22	1.67	1.46	0.94	1.23	1.42	.01	.19**	.06
geschwätzig	4.50	4.17	4.33	2.50	2.17	2.33	1.83	1.95	1.86	1.51	1.19	1.34	.29***	.01	.00
gesellig	5.75	5.25	5.50	5.67	4.75	5.21	1.66	1.22	1.45	1.37	1.87	1.67	.01	.05	.00
gesprächig	5.42	5.25	5.33	5.42	4.75	5.08	1.00	1.42	1.20	1.00	1.60	1.35	.01	.03	.01
gesund	5.92	5.92	5.92	4.92	4.50	4.71	0.90	1.24	1.06	1.93	1.93	1.90	.14*	.00	.00
gewissenhaft	6.00	4.67	5.33	6.17	5.83	6.00	0.85	1.30	1.27	0.84	1.27	1.06	.09*	.14*	.05
gierig	2.58	3.33	2.96	1.42	1.58	1.50	1.62	1.72	1.68	0.67	1.00	0.83	.25***	.03	.01
glücklich	6.00	5.67	5.83	5.25	5.75	5.50	0.85	1.44	1.17	1.36	1.55	1.45	.02	.00	.03
grausam	1.00	2.00	1.50	1.09	1.42	1.26	0.00	1.41	1.10	0.30	0.79	0.62	.02	.15**	.04
gründlich	5.42	4.58	5.00	6.08	6.00	6.04	1.24	1.24	1.29	0.67	0.85	0.75	.22**	.05	.03
gütig	5.08	4.58	4.83	5.67	5.08	5.38	1.44	1.17	1.31	0.99	1.38	1.21	.05	.05	.00
harmlos	4.75	4.08	4.42	4.00	3.08	3.54	1.77	1.68	1.72	1.65	1.98	1.84	.06	.05	.00
häßlich	2.08	1.75	1.92	2.42	2.83	2.63	1.17	1.22	1.18	1.31	2.04	1.69	.06	.00	.02
heiter	6.00	5.58	5.79	5.42	5.17	5.29	0.95	1.08	1.02	1.38	0.84	1.12	.05	.02	.00
hektisch	4.00	3.25	3.63	2.67	2.75	2.71	1.41	1.82	1.64	1.83	1.71	1.73	.07	.01	.02
hemmungslos	3.33	4.25	3.79	1.33	1.42	1.38	1.37	1.71	1.59	0.49	0.90	0.71	.52***	.04	.03
hilflos	2.25	2.00	2.13	2.08	1.75	1.92	0.87	0.95	0.90	1.62	0.87	1.28	.01	.02	.00
höflich	6.08	5.75	5.92	5.92	5.75	5.83	1.17	0.75	0.97	1.17	1.29	1.20	.00	.01	.00
impulsiv	5.17	4.00	4.58	6.25	4.00	5.12	1.03	1.91	1.61	0.75	1.21	1.51	.04	.32***	.04
intelligent	5.92	5.67	5.79	5.17	5.75	5.46	0.67	1.07	0.88	1.03	0.87	0.98	.03	.01	.05
interessiert	6.25	6.08	6.17	6.25	5.83	6.04	0.75	1.00	0.87	0.97	1.40	1.20	.00	.02	.00
ironisch	4.67	6.00	5.33	3.50	4.36	3.91	1.50	0.95	1.40	1.68	2.01	1.86	.18**	.12*	.01
irritiert	2.58	2.08	2.33	2.25	2.75	2.50	1.24	1.00	1.13	1.22	1.60	1.41	.00	.00	.04
jung	6.33	6.33	6.33	1.42	2.25	1.83	0.78	0.65	0.70	0.67	1.60	1.27	.84***	.04	.04
kämpferisch	5.17	4.00	4.58	5.25	4.92	5.08	1.12	1.91	1.64	1.71	1.51	1.59	.03	.06	.02
kontrolliert	4.50	4.17	4.33	5.50	5.17	5.33	1.51	1.80	1.63	1.09	1.03	1.05	.12*	.01	.00
konzentriert	5.25	5.33	5.29	6.08	5.67	5.87	1.14	1.07	1.08	1.08	1.07	1.08	.07	.01	.01
kraftvoll	5.08	4.83	4.96	4.17	4.75	4.46	1.38	1.47	1.40	1.64	1.22	1.44	.03	.00	.02
krank	2.17	1.75	1.96	2.67	3.17	2.92	1.34	1.14	1.23	1.97	1.95	1.93	.08*	.00	.02
kreativ	5.17	5.50	5.33	5.67	4.82	5.26	1.27	1.78	1.52	1.61	1.33	1.51	.00	.01	.04
kritisch	5.67	5.42	5.54	6.00	5.50	5.75	0.78	1.51	1.18	0.95	1.17	1.07	.01	.03	.00
lahm	1.50	2.50	2.00	1.92	1.83	1.88	1.00	1.73	1.47	1.38	1.03	1.19	.00	.03	.04
langsam	2.17	3.25	2.71	2.58	2.42	2.50	1.12	1.87	1.60	1.68	1.08	1.38	.00	.03	.05
launisch	3.25	3.42	3.33	1.75	2.50	2.13	1.06	1.51	1.27	1.22	1.88	1.60	.16**	.03	.01
lebhaft	5.92	5.67	5.79	6.00	4.33	5.17	1.00	0.78	0.88	0.85	1.23	1.34	.10*	.21**	.12*
liberal	4.67	4.25	4.46	5.42	5.08	5.25	1.50	0.87	1.22	1.31	1.83	1.57	.08	.02	.00

(table continued)

Table C6 (continued)

Ratings of Self-Relevance in the Word Rating Study by Age Group and Sex

	Means						Standard Deviations						Effect Sizes		
	Young Adults			Older Adults			Young Adults			Older Adults			A	S	AxS
	W	M	O	W	M	O	W	M	O	W	M	O			
listig	3.00	3.33	3.17	1.33	2.00	1.67	1.35	1.61	1.47	0.65	0.85	0.82	.31***	.05	.00
lustig	5.67	5.83	5.75	5.25	4.83	5.04	0.99	1.03	0.99	1.55	1.03	1.30	.09*	.00	.02
mitfühlend	6.08	5.25	5.67	6.25	4.83	5.54	0.90	1.42	1.24	0.75	1.03	1.14	.00	.24**	.02
moralisch	3.83	3.33	3.58	3.75	4.42	4.08	1.59	1.61	1.59	1.60	1.38	1.50	.03	.00	.04
müde	3.50	3.58	3.54	2.75	3.00	2.88	1.78	1.62	1.67	1.60	1.41	1.48	.04	.00	.00
mutig	4.42	4.50	4.46	5.58	4.33	4.96	1.08	1.24	1.14	1.17	0.89	1.20	.05	.07	.09*
nachgiebig	4.00	4.17	4.08	4.67	4.50	4.58	1.76	1.19	1.47	1.61	1.38	1.47	.03	.00	.00
naiv	3.33	2.58	2.96	1.75	2.25	2.00	1.97	1.51	1.76	1.42	1.49	1.45	.09*	.00	.04
neidisch	3.17	3.00	3.08	1.75	1.42	1.58	1.12	1.48	1.28	0.97	0.90	0.93	.32***	.01	.00
nervös	3.17	2.92	3.04	2.58	2.75	2.67	1.47	1.44	1.43	1.24	1.66	1.44	.02	.00	.01
neutral	3.25	3.00	3.13	5.58	4.25	4.92	1.55	1.76	1.62	1.17	1.36	1.41	.29***	.07	.04
normal	4.00	4.00	4.00	5.42	5.33	5.37	1.48	1.71	1.56	1.31	1.30	1.28	.19**	.00	.00
offen	6.00	5.83	5.92	6.17	5.50	5.83	0.95	0.84	0.88	0.84	1.31	1.13	.00	.04	.02
ordentlich	3.83	4.42	4.12	5.75	5.00	5.38	1.75	1.62	1.68	1.29	1.60	1.47	.15**	.00	.05
passiv	2.50	3.33	2.92	2.27	2.75	2.52	1.00	1.30	1.21	1.42	1.06	1.24	.03	.07	.01
planlos	2.58	3.08	2.83	2.17	2.25	2.21	1.44	1.31	1.37	1.59	1.49	1.50	.05	.01	.01
praktisch	4.75	4.33	4.54	6.33	4.58	5.46	1.49	1.67	1.56	0.99	2.11	1.84	.08	.11*	.04
pünktlich	5.00	4.08	4.54	6.25	5.67	5.96	2.22	1.98	2.11	1.14	1.67	1.43	.14**	.04	.00
raffiniert	4.08	4.08	4.08	2.08	2.25	2.17	1.51	1.31	1.38	1.08	1.60	1.34	.34***	.00	.00
rastlos	3.75	3.83	3.79	2.42	2.83	2.63	1.55	1.75	1.62	1.73	1.70	1.69	.12*	.01	.00
rational	4.25	5.00	4.63	5.18	5.92	5.57	1.36	1.41	1.41	1.33	1.56	1.47	.10*	.07	.00
reif	4.83	4.67	4.75	5.75	5.33	5.54	1.03	0.99	0.99	0.75	1.16	0.98	.15**	.02	.00
reizbar	3.92	3.83	3.88	2.83	3.58	3.21	1.38	1.53	1.42	1.64	1.56	1.62	.05	.01	.02
reserviert	2.75	2.75	2.75	3.67	3.75	3.71	1.71	1.55	1.60	2.19	1.66	1.90	.07	.00	.00
resolut	4.25	2.83	3.54	4.58	4.75	4.67	1.60	1.85	1.84	2.11	1.06	1.63	.11*	.04	.06
ruhig	4.17	5.00	4.58	5.33	5.42	5.38	1.40	1.21	1.35	1.67	1.08	1.38	.08	.03	.02
sachlich	4.25	5.00	4.63	6.00	5.92	5.96	1.14	1.35	1.28	0.85	0.90	0.86	.29***	.02	.04
sanft	5.83	5.42	5.63	4.92	4.50	4.71	1.47	1.00	1.25	1.78	1.51	1.63	.10*	.02	.00
scheu	2.92	2.50	2.71	3.00	2.08	2.54	1.78	1.57	1.65	1.81	1.00	1.50	.00	.05	.01
schläfrig	3.17	3.67	3.42	2.25	2.75	2.50	2.08	1.44	1.77	1.55	1.60	1.56	.07	.02	.00
schüchtern	4.17	3.58	3.88	2.33	2.42	2.37	1.40	1.78	1.60	1.37	1.51	1.41	.21**	.01	.01
schuldig	1.83	1.83	1.83	1.42	1.83	1.62	1.03	1.34	1.17	0.79	1.19	1.01	.01	.01	.01
schwach	2.25	2.58	2.42	2.25	1.67	1.96	0.75	1.31	1.06	1.49	0.78	1.20	.04	.00	.04
schweigsam	3.08	3.58	3.33	3.45	3.83	3.65	1.44	1.83	1.63	1.97	1.95	1.92	.01	.02	.00
sehnsüchtig	4.92	5.17	5.04	3.25	4.17	3.71	1.38	0.84	1.12	1.82	1.40	1.65	.20**	.04	.01
sensibel	6.33	5.67	6.00	5.36	4.58	4.96	0.65	0.99	0.89	1.63	1.08	1.40	.18**	.10*	.00
sentimental	5.25	4.58	4.92	4.58	3.58	4.08	1.22	1.73	1.50	1.68	1.88	1.82	.06	.06	.00
sinnlich	5.92	5.50	5.71	4.67	4.75	4.71	0.79	1.31	1.08	1.16	1.55	1.33	.15**	.00	.01
skeptisch	4.50	4.58	4.54	5.25	4.08	4.67	1.57	1.73	1.62	1.14	1.88	1.63	.00	.03	.04
sorgfältig	5.50	4.42	4.96	6.25	5.92	6.08	1.24	0.90	1.20	0.75	1.00	0.88	.26***	.12*	.04

(table continued)

Table C6 (continued)

Ratings of Self-Relevance in the Word Rating Study by Age Group and Sex

	Means						Standard Deviations						Effect Sizes		
	Young Adults			Older Adults			Young Adults			Older Adults			A	S	AxS
	W	M	O	W	M	O	W	M	O	W	M	O			
spontan	5.42	5.33	5.38	6.08	4.50	5.29	1.31	1.88	1.58	1.00	1.57	1.52	.00	.08	.07
stark	5.08	4.92	5.00	4.58	4.08	4.33	1.38	1.31	1.32	1.51	1.24	1.37	.06	.02	.00
still	3.33	3.42	3.38	3.75	3.67	3.71	1.44	1.88	1.64	1.49	1.50	1.46	.01	.00	.00
stolz	5.08	4.75	4.92	3.91	4.08	4.00	1.24	1.66	1.44	1.87	1.68	1.73	.08	.00	.01
streng	4.33	3.92	4.13	4.17	3.50	3.83	1.50	1.44	1.45	2.04	1.62	1.83	.01	.03	.00
stur	3.50	3.75	3.63	2.92	3.08	3.00	1.45	1.42	1.41	2.07	2.11	2.04	.03	.00	.00
subjektiv	4.50	4.17	4.33	5.33	3.58	4.46	1.57	1.59	1.55	1.23	1.38	1.56	.00	.12*	.06
taktvoll	6.08	5.00	5.54	6.25	5.50	5.88	0.79	1.13	1.10	0.87	0.91	0.95	.03	.21**	.01
tolerant	6.08	6.00	6.04	6.33	6.50	6.42	1.17	0.95	1.04	0.99	0.67	0.83	.04	.00	.00
träge	1.42	2.83	2.12	2.67	1.42	2.04	0.90	1.99	1.68	2.02	0.67	1.60	.00	.00	.17**
traurig	3.17	3.17	3.17	2.33	2.58	2.46	1.19	1.27	1.20	1.37	1.56	1.44	.07	.00	.00
treu	6.25	5.33	5.79	6.17	5.92	6.04	1.06	1.50	1.35	1.12	1.31	1.20	.01	.05	.02
überheblich	2.75	2.92	2.83	1.58	1.92	1.75	1.29	1.44	1.34	1.08	1.38	1.23	.16**	.01	.00
überrascht	3.67	3.42	3.54	3.17	3.17	3.17	1.44	1.51	1.44	1.64	0.94	1.31	.02	.00	.00
umsichtig	5.33	5.00	5.17	6.25	5.83	6.04	1.16	1.41	1.27	0.62	1.03	0.86	.15**	.03	.00
unangenehm	1.67	2.08	1.87	2.00	2.17	2.08	0.89	1.08	0.99	1.35	1.59	1.44	.01	.01	.00
ungestüm	3.08	3.33	3.21	2.50	2.50	2.50	1.78	1.78	1.74	1.45	1.45	1.41	.05	.00	.00
unnahbar	2.83	3.33	3.08	2.25	3.42	2.83	1.59	1.78	1.67	1.42	2.02	1.81	.01	.06	.01
unruhig	4.08	3.75	3.92	2.33	3.50	2.92	1.44	1.42	1.41	1.44	1.38	1.50	.12*	.02	.07
unsicher	3.92	3.50	3.71	2.33	2.75	2.54	1.44	1.31	1.37	1.37	1.06	1.22	.18**	.00	.03
verärgert	2.67	2.58	2.63	1.75	2.58	2.17	1.16	1.17	1.14	0.62	1.38	1.13	.04	.03	.04
vergnügt	5.75	5.50	5.63	5.50	4.92	5.21	0.87	0.80	0.82	1.51	1.44	1.47	.03	.03	.00
verlegen	3.58	2.75	3.17	2.17	2.83	2.50	1.38	1.29	1.37	1.12	1.40	1.29	.07	.00	.08
verletzlich	5.08	4.50	4.79	4.92	4.33	4.63	1.08	1.83	1.50	1.78	1.78	1.77	.00	.03	.00
verlogen	1.67	2.42	2.04	1.67	1.50	1.58	0.99	1.17	1.12	1.23	1.00	1.10	.04	.02	.04
vernünftig	5.17	4.75	4.96	5.92	5.92	5.92	1.34	1.22	1.27	1.08	1.08	1.06	.15**	.01	.01
verspielt	5.33	5.50	5.42	3.00	2.33	2.67	1.61	1.31	1.44	1.81	1.56	1.69	.45***	.01	.02
verträumt	4.50	4.92	4.71	3.42	3.67	3.54	1.57	1.24	1.40	1.88	1.72	1.77	.12*	.01	.00
verwirrt	2.58	2.50	2.54	1.17	1.33	1.25	1.38	1.62	1.47	0.58	0.78	0.68	.25***	.00	.00
verwöhnt	4.00	3.33	3.67	1.67	3.00	2.33	1.54	1.83	1.69	0.89	1.95	1.63	.16**	.01	.10*
vorsichtig	4.75	4.33	4.54	5.50	5.08	5.29	1.66	1.37	1.50	1.00	0.90	0.96	.09*	.03	.00
wach	5.17	5.00	5.08	5.50	5.75	5.63	1.27	0.95	1.10	1.73	1.49	1.58	.04	.00	.01
wählerisch	5.92	4.67	5.29	4.82	5.08	4.96	0.90	2.02	1.65	1.83	1.17	1.49	.01	.03	.06
weich	5.00	4.08	4.54	3.83	2.58	3.21	1.21	1.51	1.41	2.21	1.38	1.91	.16**	.11*	.00
weise	4.75	4.08	4.42	3.73	4.67	4.22	0.75	1.38	1.14	1.35	1.61	1.54	.01	.00	.09*
zaghaf	3.17	2.92	3.04	2.25	2.42	2.33	1.47	1.78	1.60	1.55	1.08	1.31	.06	.00	.00
zärtlich	6.25	6.17	6.21	5.50	5.17	5.33	1.06	1.34	1.18	1.38	1.47	1.40	.11*	.01	.00
zerstreut	3.25	3.33	3.29	2.50	2.25	2.37	1.55	1.83	1.65	1.45	1.06	1.25	.09*	.00	.00
zornig	2.17	3.25	2.71	1.83	2.50	2.17	1.12	1.42	1.37	1.34	1.83	1.61	.04	.09*	.01
zufrieden	5.83	5.50	5.67	6.00	5.75	5.87	0.94	1.38	1.17	1.21	1.49	1.33	.01	.01	.00

Note. Effect sizes were partial eta-squareds (η_p^2). W = Women. M = Men. O = Overall. A = Age. S = Sex.

* $p < .05$. ** $p < .01$. *** $p < .001$.

Table C7

Ratings of Age-Relevance in the Word Rating Study by Age Group and Sex

	Means						Standard Deviations						Effect Sizes		
	Young Adults			Older Adults			Young Adults			Older Adults			A	S	AxS
	W	M	O	W	M	O	W	M	O	W	M	O			
abhängig	3.92	3.33	3.63	3.75	3.09	3.43	0.79	0.99	0.92	1.22	1.04	1.16	.01	.09*	.00
abwesend	3.50	3.67	3.58	3.58	4.00	3.79	0.52	0.49	0.50	0.67	0.85	0.78	.03	.05	.01
aggressiv	2.67	2.17	2.42	2.33	1.75	2.04	0.65	0.58	0.65	0.89	0.62	0.81	.07	.14*	.00
akkurat	3.25	3.58	3.42	3.75	3.92	3.83	0.97	0.67	0.83	0.75	0.67	0.70	.07	.03	.00
aktiv	1.50	1.33	1.42	2.25	2.00	2.13	0.52	0.49	0.50	0.75	0.89	0.82	.23**	.02	.00
albern	2.25	1.58	1.92	1.42	2.17	1.79	0.62	0.52	0.65	0.79	0.84	0.88	.01	.00	.22**
alt	4.75	5.00	4.87	4.75	4.67	4.71	0.45	0.00	0.34	0.62	0.49	0.55	.03	.01	.03
amüsiert	2.17	2.42	2.29	3.00	2.75	2.88	0.72	1.08	0.91	0.85	0.87	0.85	.10*	.00	.02
analytisch	2.42	2.67	2.54	2.67	2.92	2.79	0.79	0.78	0.78	0.89	0.79	0.83	.02	.02	.00
angeekelt	2.92	2.92	2.92	2.83	3.33	3.08	0.29	0.52	0.41	0.94	0.78	0.88	.02	.04	.04
angenehm	3.25	2.83	3.04	3.42	3.17	3.29	0.45	0.72	0.62	0.52	0.58	0.55	.05	.08	.01
angepaßt	3.83	3.83	3.83	3.83	3.25	3.54	0.72	0.72	0.70	0.94	1.14	1.06	.03	.03	.03
angeregt	2.50	2.33	2.42	2.50	2.58	2.54	0.67	0.49	0.58	0.91	0.79	0.83	.01	.00	.01
angespannt	2.75	2.58	2.67	2.58	2.42	2.50	0.62	0.90	0.76	0.67	0.79	0.72	.01	.01	.00
ängstlich	3.67	3.67	3.67	4.08	3.58	3.83	0.49	0.78	0.64	0.67	0.79	0.76	.02	.03	.03
arrogant	2.33	2.50	2.42	2.33	2.58	2.46	0.78	0.67	0.72	0.89	1.08	0.98	.00	.01	.00
attraktiv	2.08	1.58	1.83	2.25	1.92	2.08	0.79	0.67	0.76	0.75	0.79	0.78	.03	.08	.00
aufbrausend	2.25	2.25	2.25	2.42	2.00	2.21	0.62	1.06	0.85	1.08	0.60	0.88	.00	.01	.01
aufgewühlt	2.42	1.92	2.17	2.17	2.08	2.13	1.00	0.79	0.92	0.84	0.67	0.74	.00	.03	.02
aufmerksam	3.08	2.83	2.96	2.75	2.67	2.71	0.67	0.58	0.62	0.87	0.65	0.75	.03	.01	.00
ausdauernd	2.75	2.08	2.42	3.25	2.58	2.92	0.75	0.90	0.88	1.29	0.90	1.14	.07	.11*	.00
ausgeglichen	3.33	4.08	3.71	3.83	4.08	3.96	0.78	0.29	0.69	0.58	0.52	0.55	.05	.17**	.05
autoritär	3.92	3.50	3.71	3.82	3.25	3.52	0.79	1.09	0.96	1.08	1.36	1.24	.01	.05	.00
bedächtig	4.00	4.17	4.08	3.92	4.00	3.96	0.43	0.58	0.50	0.52	0.60	0.55	.01	.01	.00
begeistert	2.50	1.92	2.21	1.83	2.00	1.92	0.80	0.79	0.83	0.84	0.43	0.65	.04	.02	.07
beharrlich	3.00	3.00	3.00	3.42	3.33	3.38	0.74	0.74	0.72	1.00	1.07	1.01	.04	.00	.00
beherrscht	3.50	3.50	3.50	4.08	3.75	3.92	0.52	0.52	0.51	0.52	0.45	0.50	.16**	.03	.03
bekümmert	3.67	3.58	3.63	3.75	3.67	3.71	0.65	0.52	0.58	0.87	0.78	0.81	.00	.00	.00
berechnend	2.50	2.50	2.50	2.42	2.75	2.58	0.67	1.00	0.83	1.00	1.36	1.18	.00	.01	.01
beschämt	3.58	2.75	3.17	3.08	3.08	3.08	0.67	0.62	0.76	0.52	0.52	0.50	.01	.12*	.12*
bescheiden	3.75	4.00	3.87	3.75	3.83	3.79	0.62	0.43	0.54	0.75	0.72	0.72	.01	.02	.00
besonnen	3.58	3.75	3.67	3.92	3.92	3.92	0.67	0.75	0.70	0.67	0.52	0.58	.04	.00	.00
besorgt	3.50	3.92	3.71	3.82	4.08	3.96	0.67	0.79	0.75	0.75	0.67	0.71	.03	.06	.00
bestimmend	3.00	3.25	3.13	3.83	3.08	3.46	0.95	1.22	1.08	0.84	1.17	1.06	.03	.01	.06
boshaft	2.83	2.83	2.83	3.25	2.92	3.08	0.39	0.58	0.48	0.45	0.90	0.72	.04	.02	.02
brutal	2.64	2.17	2.39	2.33	2.00	2.17	0.51	0.84	0.72	0.65	0.74	0.70	.03	.08	.00
defensiv	3.50	3.00	3.25	3.25	3.58	3.42	0.52	0.60	0.61	0.97	0.67	0.83	.01	.00	.09*
depressiv	3.58	3.17	3.38	3.67	3.58	3.63	0.79	1.03	0.92	0.99	1.00	0.97	.02	.02	.01
deprimiert	3.42	3.00	3.21	3.33	3.75	3.54	1.00	0.85	0.93	1.07	0.87	0.98	.03	.00	.05
direkt	2.08	2.75	2.42	2.33	2.09	2.22	0.67	1.06	0.93	0.89	1.22	1.04	.01	.01	.06

(table continued)

Table C7 (continued)

Ratings of Age-Relevance in the Word Rating Study by Age Group and Sex

	Means						Standard Deviations						Effect Sizes		
	Young Adults			Older Adults			Young Adults			Older Adults			A	S	AxS
	W	M	O	W	M	O	W	M	O	W	M	O			
diskret	3.42	3.67	3.54	3.83	3.67	3.75	0.52	0.65	0.59	0.58	0.65	0.61	.03	.00	.03
dominant	2.83	3.17	3.00	3.00	3.08	3.04	0.58	0.84	0.72	1.13	0.90	1.00	.00	.01	.00
dumm	3.08	2.75	2.92	2.75	3.17	2.96	0.29	0.62	0.50	0.62	0.58	0.62	.00	.00	.11*
egoistisch	2.67	2.33	2.50	2.42	2.50	2.46	0.89	0.89	0.89	1.00	1.45	1.22	.00	.00	.01
ehrgeizig	1.67	1.50	1.58	1.92	2.25	2.08	0.65	0.67	0.65	0.79	0.87	0.83	.11*	.00	.03
ehrlich	3.67	3.17	3.42	3.25	3.42	3.33	0.65	0.94	0.83	0.87	0.67	0.76	.00	.01	.05
eigenwillig	2.67	3.67	3.17	3.25	3.92	3.58	1.50	1.67	1.63	0.87	1.44	1.21	.02	.09*	.00
einfalllos	3.00	2.75	2.88	3.08	3.17	3.12	0.00	0.75	0.54	0.90	0.39	0.68	.04	.00	.02
einfühlsam	3.25	3.08	3.17	3.50	3.92	3.71	0.45	0.90	0.70	0.52	0.52	0.55	.17**	.01	.06
einsam	4.33	4.17	4.25	4.17	4.33	4.25	0.78	0.72	0.74	0.72	0.78	0.74	.00	.00	.01
eitel	2.00	1.75	1.87	2.17	2.33	2.25	0.74	0.75	0.74	0.72	0.99	0.85	.06	.00	.02
emotional	3.00	2.42	2.71	2.25	2.42	2.33	0.74	0.90	0.86	0.87	0.79	0.82	.05	.02	.05
empfindlich	3.25	3.00	3.13	3.92	3.25	3.58	0.75	0.95	0.85	0.52	0.75	0.72	.09*	.09*	.02
energisch	2.17	2.17	2.17	3.00	2.75	2.88	0.39	1.27	0.92	1.35	0.97	1.15	.11*	.00	.00
entschlossen	2.25	2.25	2.25	2.08	2.25	2.17	0.62	0.62	0.61	0.52	0.87	0.70	.00	.00	.00
entspannt	3.00	3.67	3.33	3.67	3.50	3.58	1.04	0.65	0.92	1.07	0.80	0.93	.02	.02	.05
enttäuscht	3.00	2.83	2.92	3.55	3.58	3.57	1.13	0.84	0.97	1.04	1.00	0.99	.10*	.00	.00
erfahren	4.33	4.75	4.54	4.33	4.17	4.25	0.65	0.45	0.59	0.65	0.39	0.53	.07	.01	.07
erfolgreich	2.17	2.33	2.25	2.25	2.92	2.58	0.84	0.65	0.74	1.36	1.17	1.28	.03	.04	.02
erfreut	3.08	2.33	2.71	2.83	2.75	2.79	0.52	0.65	0.69	0.72	0.62	0.66	.00	.11*	.07
ernst	4.08	3.92	4.00	3.83	4.08	3.96	0.67	0.90	0.78	0.72	0.79	0.75	.00	.00	.02
erschöpft	4.25	4.00	4.13	4.08	3.67	3.88	0.87	0.43	0.68	0.67	1.16	0.95	.02	.04	.00
erstaunt	3.25	3.17	3.21	2.50	2.58	2.54	0.62	0.94	0.78	0.80	1.00	0.88	.14**	.00	.00
feige	2.75	2.67	2.71	2.58	3.00	2.79	0.45	0.78	0.62	1.08	0.85	0.98	.00	.01	.02
feindselig	2.83	3.33	3.08	3.08	2.75	2.92	0.39	0.49	0.50	0.52	0.62	0.58	.03	.01	.15**
fies	2.58	2.42	2.50	2.92	3.17	3.04	0.79	0.79	0.78	0.52	0.58	0.55	.15**	.00	.02
flexibel	1.75	1.42	1.58	2.25	2.75	2.50	0.45	0.52	0.50	0.45	0.87	0.72	.39***	.00	.12*
frech	1.92	1.83	1.87	1.83	1.92	1.87	0.67	0.39	0.54	0.72	0.67	0.68	.00	.00	.00
friedlich	3.67	4.25	3.96	3.83	4.00	3.92	0.65	0.75	0.75	0.72	0.60	0.65	.00	.08	.02
fröhlich	2.42	2.50	2.46	2.67	2.92	2.79	0.52	0.80	0.66	0.78	0.90	0.83	.05	.01	.00
frustriert	3.25	2.75	3.00	2.92	3.00	2.96	0.75	0.87	0.83	1.08	1.13	1.08	.00	.01	.02
furchtlos	2.33	2.00	2.17	2.17	2.17	2.17	0.65	0.95	0.82	0.94	0.94	0.92	.00	.01	.01
furchtsam	3.58	3.50	3.54	4.00	3.42	3.71	0.52	0.91	0.72	0.74	0.52	0.69	.02	.06	.03
gebildet	3.08	3.17	3.12	3.50	3.33	3.42	0.67	0.94	0.80	0.67	1.07	0.88	.03	.00	.01
geduldig	3.58	4.00	3.79	3.67	4.00	3.83	0.52	0.74	0.66	0.89	0.60	0.76	.00	.07	.00
gehemmt	3.42	3.08	3.25	3.08	3.33	3.21	0.52	1.00	0.79	1.31	1.07	1.18	.00	.00	.02
gehorsam	3.50	3.42	3.46	3.67	3.17	3.42	0.67	0.79	0.72	0.78	1.03	0.93	.00	.03	.02
geizig	3.08	2.92	3.00	3.83	3.50	3.67	0.90	0.90	0.89	0.72	0.67	0.70	.16**	.03	.00
gelangweilt	3.00	2.00	2.50	1.92	2.58	2.25	1.04	0.85	1.06	0.90	1.44	1.23	.01	.01	.14*
gelassen	3.25	3.67	3.46	3.64	3.92	3.78	0.75	1.07	0.93	1.12	0.67	0.90	.03	.04	.00

(table continued)

Table C7 (continued)

Ratings of Age-Relevance in the Word Rating Study by Age Group and Sex

	Means						Standard Deviations						Effect Sizes		
	Young Adults			Older Adults			Young Adults			Older Adults			A	S	AxS
	W	M	O	W	M	O	W	M	O	W	M	O			
gemütlich	4.25	3.92	4.08	4.50	3.75	4.13	0.75	0.52	0.65	0.67	0.97	0.90	.00	.13*	.02
genügsam	4.08	3.83	3.96	3.92	3.92	3.92	0.67	0.58	0.62	0.67	0.67	0.65	.00	.01	.01
gerecht	3.17	3.42	3.29	3.33	3.33	3.33	0.58	0.52	0.55	0.49	0.65	0.56	.00	.01	.01
gereizt	2.92	2.83	2.88	3.50	3.17	3.33	0.79	0.84	0.80	0.80	0.94	0.87	.07	.02	.01
geschickt	2.42	2.25	2.33	2.75	2.45	2.61	0.52	0.75	0.64	0.87	0.82	0.84	.03	.02	.00
geschwätzig	3.58	3.33	3.46	3.17	3.25	3.21	0.79	0.89	0.83	0.84	1.22	1.02	.02	.00	.01
gesellig	2.25	2.83	2.54	2.75	3.08	2.92	0.75	1.12	0.98	1.22	1.44	1.32	.03	.04	.00
gesprächig	3.17	3.42	3.29	2.33	3.25	2.79	0.84	0.90	0.86	0.89	1.06	1.06	.07	.10*	.03
gesund	1.50	1.67	1.58	1.92	2.17	2.04	0.67	0.78	0.72	0.90	0.84	0.86	.08	.02	.00
gewissenhaft	3.58	3.83	3.71	3.83	4.00	3.92	0.52	0.72	0.62	0.94	0.60	0.78	.02	.02	.00
gierig	2.42	2.08	2.25	2.00	2.33	2.17	0.67	0.67	0.68	0.74	0.78	0.76	.00	.00	.06
glücklich	2.92	3.00	2.96	2.83	3.25	3.04	0.52	0.74	0.62	0.84	0.75	0.81	.00	.03	.01
grausam	2.92	2.75	2.83	2.75	2.75	2.75	0.29	0.62	0.48	0.62	0.45	0.53	.01	.01	.01
gründlich	3.67	3.50	3.58	3.33	3.92	3.63	0.49	0.67	0.58	0.65	0.52	0.65	.00	.03	.10*
gütig	4.08	3.83	3.96	3.83	4.09	3.96	0.67	0.58	0.62	0.84	0.54	0.71	.00	.00	.04
harmlos	3.50	3.75	3.63	3.33	3.83	3.58	0.52	0.97	0.77	0.99	0.84	0.93	.00	.05	.01
häßlich	3.25	3.17	3.21	3.08	3.67	3.38	0.45	0.72	0.59	0.52	0.89	0.77	.02	.04	.06
heiter	2.92	2.75	2.83	2.83	2.67	2.75	0.52	0.62	0.56	0.72	0.89	0.79	.00	.01	.00
hektisch	2.00	1.83	1.92	2.00	1.73	1.87	0.85	0.84	0.83	0.74	0.79	0.76	.00	.02	.00
hemmungslos	2.17	1.83	2.00	2.08	2.36	2.22	0.72	0.39	0.59	1.17	0.67	0.95	.02	.00	.04
hilflos	4.25	4.00	4.13	3.75	3.83	3.79	0.62	0.60	0.61	0.87	0.94	0.88	.05	.00	.01
höflich	3.25	3.67	3.46	3.75	3.58	3.67	0.62	0.65	0.66	0.75	0.52	0.64	.03	.01	.05
impulsiv	1.92	1.83	1.87	2.00	1.83	1.92	0.67	0.94	0.80	0.74	0.58	0.65	.00	.01	.00
intelligent	3.00	2.42	2.71	3.00	2.75	2.88	0.43	0.90	0.75	0.43	0.45	0.45	.02	.12*	.02
interessiert	2.58	2.08	2.33	2.25	2.67	2.46	1.00	0.79	0.92	0.75	1.07	0.93	.00	.00	.06
ironisch	2.08	2.25	2.17	3.25	3.50	3.38	0.67	0.87	0.76	0.87	0.91	0.88	.36***	.02	.00
irritiert	3.17	3.58	3.37	3.33	3.33	3.33	0.72	0.79	0.77	0.89	0.89	0.87	.00	.02	.02
jung	1.17	1.00	1.08	1.33	1.50	1.42	0.39	0.00	0.28	0.49	0.91	0.72	.09*	.00	.02
kämpferisch	1.83	1.75	1.79	2.00	1.92	1.96	0.58	0.45	0.51	0.74	0.52	0.62	.02	.01	.00
kontrolliert	3.00	3.75	3.37	3.67	3.75	3.71	0.85	0.62	0.82	0.89	0.62	0.75	.05	.08	.05
konzentriert	2.25	2.67	2.46	2.83	2.75	2.79	0.87	0.89	0.88	0.72	1.22	0.98	.03	.01	.02
kraftvoll	1.75	1.67	1.71	1.92	1.67	1.79	0.45	0.65	0.55	0.79	0.49	0.66	.00	.02	.00
krank	4.50	4.33	4.42	4.17	4.33	4.25	0.67	0.65	0.65	0.58	0.65	0.61	.02	.00	.02
kreativ	2.17	1.83	2.00	2.50	2.18	2.35	0.72	0.72	0.72	0.91	0.60	0.78	.05	.05	.00
kritisch	2.75	2.83	2.79	3.25	3.64	3.43	0.75	0.94	0.83	1.14	1.21	1.16	.10*	.01	.01
lahm	3.67	4.17	3.92	3.67	3.92	3.79	0.65	0.39	0.58	0.78	0.90	0.83	.01	.07	.01
langsam	4.25	4.33	4.29	3.92	3.92	3.92	0.45	0.65	0.55	0.90	0.79	0.83	.07	.00	.00
launisch	2.92	3.00	2.96	2.92	3.67	3.29	0.90	1.21	1.04	1.24	0.78	1.08	.03	.04	.03
lebhaft	1.75	1.36	1.57	1.92	1.83	1.87	0.62	0.51	0.59	1.00	0.39	0.74	.06	.03	.01
liberal	2.83	2.67	2.75	3.42	3.42	3.42	0.94	0.78	0.85	0.79	0.79	0.78	.15**	.00	.00

(table continued)

Table C7 (continued)

Ratings of Age-Relevance in the Word Rating Study by Age Group and Sex

	Means						Standard Deviations						Effect Sizes		
	Young Adults			Older Adults			Young Adults			Older Adults			A	S	AxS
	W	M	O	W	M	O	W	M	O	W	M	O			
listig	2.92	2.42	2.67	3.08	3.08	3.08	0.52	0.67	0.64	0.52	1.08	0.83	.08	.03	.03
lustig	2.67	2.33	2.50	2.50	2.25	2.38	0.49	0.89	0.72	1.09	0.62	0.88	.01	.03	.00
mitfühlend	3.33	3.17	3.25	3.92	3.92	3.92	0.99	0.94	0.94	0.79	0.67	0.72	.14*	.00	.00
moralisch	4.00	4.08	4.04	3.92	3.50	3.71	0.60	0.67	0.62	0.79	1.00	0.91	.05	.01	.03
müde	4.17	4.17	4.17	4.17	3.67	3.92	0.58	0.58	0.56	0.72	1.23	1.02	.02	.02	.02
mutig	2.08	2.25	2.17	2.17	2.50	2.33	0.67	0.75	0.70	0.84	1.09	0.96	.01	.02	.00
nachgiebig	3.42	3.58	3.50	3.83	3.67	3.75	0.67	0.79	0.72	1.03	0.49	0.79	.03	.00	.01
naiv	2.83	2.42	2.63	2.58	2.58	2.58	0.84	1.08	0.97	0.90	0.90	0.88	.00	.01	.01
neidisch	2.75	2.42	2.58	2.58	2.75	2.67	0.87	0.79	0.83	0.67	1.14	0.92	.00	.00	.02
nervös	3.00	2.58	2.79	3.17	2.50	2.83	0.85	0.90	0.88	0.94	1.09	1.05	.00	.08	.00
neutral	3.17	3.33	3.25	3.33	3.58	3.46	0.58	0.78	0.68	0.65	0.79	0.72	.02	.02	.00
normal	3.08	2.92	3.00	3.17	3.50	3.33	0.79	0.67	0.72	0.39	0.67	0.56	.07	.00	.04
offen	1.92	1.75	1.83	2.58	2.92	2.75	0.67	0.87	0.76	1.17	0.79	0.99	.22**	.00	.02
ordentlich	3.50	3.75	3.62	3.75	3.58	3.67	0.67	0.75	0.71	0.62	1.00	0.82	.00	.00	.02
passiv	3.75	3.83	3.79	3.92	3.83	3.88	0.45	0.58	0.51	1.00	0.58	0.80	.00	.00	.00
planlos	2.75	2.08	2.42	2.58	2.67	2.63	0.62	0.67	0.72	1.00	0.65	0.82	.02	.04	.06
praktisch	3.25	2.75	3.00	2.92	2.67	2.79	0.97	1.22	1.10	1.00	0.99	0.98	.01	.03	.00
pünktlich	3.92	3.50	3.71	3.42	3.92	3.67	0.67	1.09	0.91	0.52	0.67	0.64	.00	.00	.09*
raffiniert	2.50	2.08	2.29	2.73	2.75	2.74	0.52	0.67	0.62	0.79	0.87	0.81	.09*	.02	.02
rastlos	2.17	1.92	2.04	2.25	2.17	2.21	0.72	0.52	0.62	0.97	0.94	0.93	.01	.01	.00
rational	2.75	2.83	2.79	3.25	3.33	3.29	0.62	0.84	0.72	1.14	0.99	1.04	.07	.00	.00
reif	4.17	3.75	3.96	4.25	4.00	4.13	0.84	1.22	1.04	0.45	0.43	0.45	.01	.04	.00
reizbar	2.83	2.75	2.79	3.50	2.83	3.17	1.19	0.75	0.98	1.00	1.47	1.27	.03	.03	.02
reserviert	3.58	3.83	3.71	3.50	3.25	3.38	0.79	0.84	0.81	1.17	1.22	1.17	.03	.00	.02
resolut	3.33	3.42	3.38	3.55	2.67	3.09	1.16	0.79	0.97	1.21	1.07	1.20	.02	.04	.05
ruhig	3.92	4.08	4.00	4.00	4.00	4.00	0.52	0.52	0.51	0.95	0.60	0.78	.00	.00	.00
sachlich	2.92	3.08	3.00	3.25	3.58	3.42	0.79	0.79	0.78	0.97	1.00	0.97	.06	.02	.00
sanft	3.25	3.08	3.17	3.33	3.50	3.42	0.62	0.67	0.64	0.89	0.80	0.83	.03	.00	.01
scheu	3.42	3.08	3.25	3.25	3.17	3.21	0.52	0.79	0.68	0.75	0.84	0.78	.00	.02	.01
schläfrig	3.92	3.83	3.88	3.67	3.58	3.63	0.90	0.84	0.85	1.30	0.90	1.10	.02	.00	.00
schüchtern	3.17	2.58	2.88	2.75	3.00	2.88	0.39	0.79	0.68	0.62	0.43	0.54	.00	.02	.12*
schuldig	2.92	2.92	2.92	3.08	3.33	3.21	0.29	0.52	0.41	0.29	0.65	0.51	.10*	.02	.02
schwach	4.08	4.25	4.17	3.75	3.60	3.68	0.52	0.45	0.48	0.97	0.84	0.89	.11*	.00	.01
schweigsam	3.92	3.42	3.67	3.67	4.08	3.87	0.52	0.52	0.56	0.78	1.00	0.90	.02	.00	.10*
sehnsüchtig	2.08	2.25	2.17	2.17	2.58	2.37	1.08	1.14	1.09	1.27	1.17	1.21	.01	.02	.00
sensibel	3.08	2.92	3.00	3.08	2.64	2.87	0.67	0.90	0.78	0.90	1.03	0.97	.01	.03	.01
sentimental	3.42	3.58	3.50	3.50	3.58	3.54	0.52	1.00	0.78	1.00	0.79	0.88	.00	.01	.00
sinnlich	2.58	2.17	2.38	2.08	2.50	2.29	0.67	0.84	0.77	0.67	1.38	1.08	.00	.00	.05
skeptisch	3.42	3.42	3.42	3.75	3.36	3.57	0.79	0.67	0.72	0.75	1.03	0.90	.01	.01	.01
sorgfältig	3.75	3.83	3.79	3.75	4.00	3.88	0.62	0.58	0.59	0.62	0.85	0.74	.00	.02	.00

(table continued)

Table C7 (continued)

Ratings of Age-Relevance in the Word Rating Study by Age Group and Sex

	Means						Standard Deviations						Effect Sizes		
	Young Adults			Older Adults			Young Adults			Older Adults			A	S	AxS
	W	M	O	W	M	O	W	M	O	W	M	O			
spontan	1.67	1.33	1.50	1.83	1.75	1.79	0.65	0.49	0.59	0.72	0.75	0.72	.05	.03	.01
stark	1.92	1.75	1.83	2.42	1.42	1.92	0.79	0.75	0.76	1.31	0.52	1.10	.00	.10*	.06
still	3.58	3.75	3.67	3.33	3.67	3.50	0.52	0.62	0.56	0.78	0.78	0.78	.02	.03	.00
stolz	2.92	3.50	3.21	2.42	3.08	2.75	0.67	0.91	0.83	0.79	0.79	0.85	.08	.14**	.00
streng	3.50	4.00	3.75	3.83	3.83	3.83	0.52	0.00	0.44	0.58	0.72	0.64	.01	.06	.06
stur	3.83	3.67	3.75	4.00	4.00	4.00	0.58	0.89	0.74	0.63	0.95	0.80	.03	.00	.00
subjektiv	3.00	3.00	3.00	3.08	2.58	2.83	0.74	0.85	0.78	0.90	0.79	0.87	.01	.02	.02
taktvoll	3.67	3.58	3.63	3.75	4.00	3.87	0.89	1.00	0.92	0.45	0.74	0.61	.03	.00	.01
tolerant	2.17	2.17	2.17	3.83	3.42	3.63	0.84	0.94	0.87	0.72	1.24	1.01	.39***	.01	.01
träge	3.50	3.25	3.38	3.33	3.92	3.63	1.00	1.29	1.14	1.23	1.00	1.14	.01	.01	.03
traurig	3.67	3.17	3.42	3.92	3.67	3.79	0.49	0.58	0.58	0.79	0.65	0.72	.09*	.09*	.01
treu	3.58	3.75	3.67	4.17	3.92	4.04	0.52	0.62	0.56	0.84	0.79	0.81	.07	.00	.02
überheblich	2.08	2.08	2.08	2.17	2.08	2.13	0.67	1.00	0.83	0.72	0.90	0.80	.00	.00	.00
überrascht	3.17	3.00	3.08	3.00	3.25	3.13	0.39	0.60	0.50	0.43	0.75	0.61	.00	.00	.04
umsichtig	3.33	3.50	3.42	3.83	3.75	3.79	0.78	0.91	0.83	0.84	0.87	0.83	.05	.00	.01
unangenehm	3.00	3.08	3.04	2.92	2.75	2.83	0.43	0.52	0.46	0.52	0.97	0.76	.03	.00	.01
ungestüm	2.25	1.42	1.83	1.58	1.75	1.67	0.62	0.67	0.76	0.52	0.75	0.64	.02	.07	.14*
unnahbar	2.92	2.83	2.88	3.25	3.50	3.38	0.79	0.72	0.74	0.87	0.80	0.82	.10*	.00	.01
unruhig	2.67	2.25	2.46	2.58	2.58	2.58	0.89	0.62	0.78	0.79	1.08	0.93	.01	.02	.02
unsicher	2.67	2.67	2.67	3.00	3.75	3.37	0.78	1.50	1.17	1.28	1.06	1.21	.09*	.03	.03
verärgert	3.25	3.17	3.21	3.25	2.92	3.08	0.75	0.72	0.72	0.62	0.52	0.58	.01	.03	.01
vergnügt	2.83	2.25	2.54	2.75	2.25	2.50	0.58	0.87	0.78	0.97	0.87	0.93	.00	.10*	.00
verlegen	3.08	2.33	2.71	2.50	3.00	2.75	1.24	0.99	1.16	0.91	1.41	1.19	.00	.00	.07
verletzlich	3.33	3.08	3.21	3.33	3.25	3.29	0.89	0.90	0.88	1.07	1.22	1.12	.00	.01	.00
verlogten	2.75	2.92	2.83	2.92	2.83	2.88	0.45	0.67	0.56	0.29	0.39	0.34	.00	.00	.02
vernünftig	3.42	3.50	3.46	3.50	3.92	3.71	1.08	0.52	0.83	0.80	0.67	0.75	.03	.03	.01
verspielt	2.17	2.08	2.13	1.83	2.17	2.00	0.72	0.67	0.68	0.72	0.72	0.72	.01	.01	.02
verträumt	2.67	2.25	2.46	2.08	2.67	2.38	0.65	0.75	0.72	0.90	1.23	1.10	.00	.00	.08
verwirrt	4.08	4.17	4.13	4.08	3.75	3.92	0.52	0.58	0.54	0.79	0.97	0.88	.02	.01	.02
verwöhnt	2.17	1.58	1.88	1.50	1.83	1.67	0.39	0.67	0.61	0.52	0.94	0.76	.03	.01	.12*
vorsichtig	4.08	4.00	4.04	4.50	3.91	4.22	0.67	1.00	0.83	0.52	1.14	0.90	.01	.04	.02
wach	1.75	2.08	1.92	1.92	2.42	2.17	0.45	0.79	0.65	1.00	0.79	0.92	.03	.07	.00
wählerisch	2.58	2.58	2.58	2.83	3.00	2.92	1.08	0.90	0.97	1.19	0.95	1.06	.03	.00	.00
weich	3.33	3.42	3.37	3.75	3.42	3.58	0.65	0.67	0.65	0.75	0.67	0.72	.02	.01	.02
weise	4.42	4.33	4.38	4.33	4.42	4.38	0.67	0.65	0.65	0.49	0.67	0.58	.00	.00	.00
zaghafte	3.75	3.33	3.54	3.00	3.50	3.25	0.75	1.07	0.93	1.35	0.80	1.11	.02	.00	.05
zärtlich	2.67	2.67	2.67	2.83	2.25	2.54	0.89	0.78	0.82	0.94	0.87	0.93	.01	.03	.03
zerstreut	4.17	4.25	4.21	3.92	3.83	3.87	0.39	0.62	0.51	1.00	0.84	0.90	.05	.00	.00
zornig	3.00	2.67	2.83	2.75	2.42	2.58	0.43	0.78	0.64	0.87	0.67	0.78	.03	.06	.00
zufrieden	3.33	2.75	3.04	3.67	3.67	3.67	0.89	0.87	0.91	0.49	0.49	0.48	.17**	.04	.04

Note. Effect sizes were partial eta-squareds (η_p^2). W = Women. M = Men. O = Overall. A = Age. S = Sex.

* $p < .05$. ** $p < .01$. *** $p < .001$.

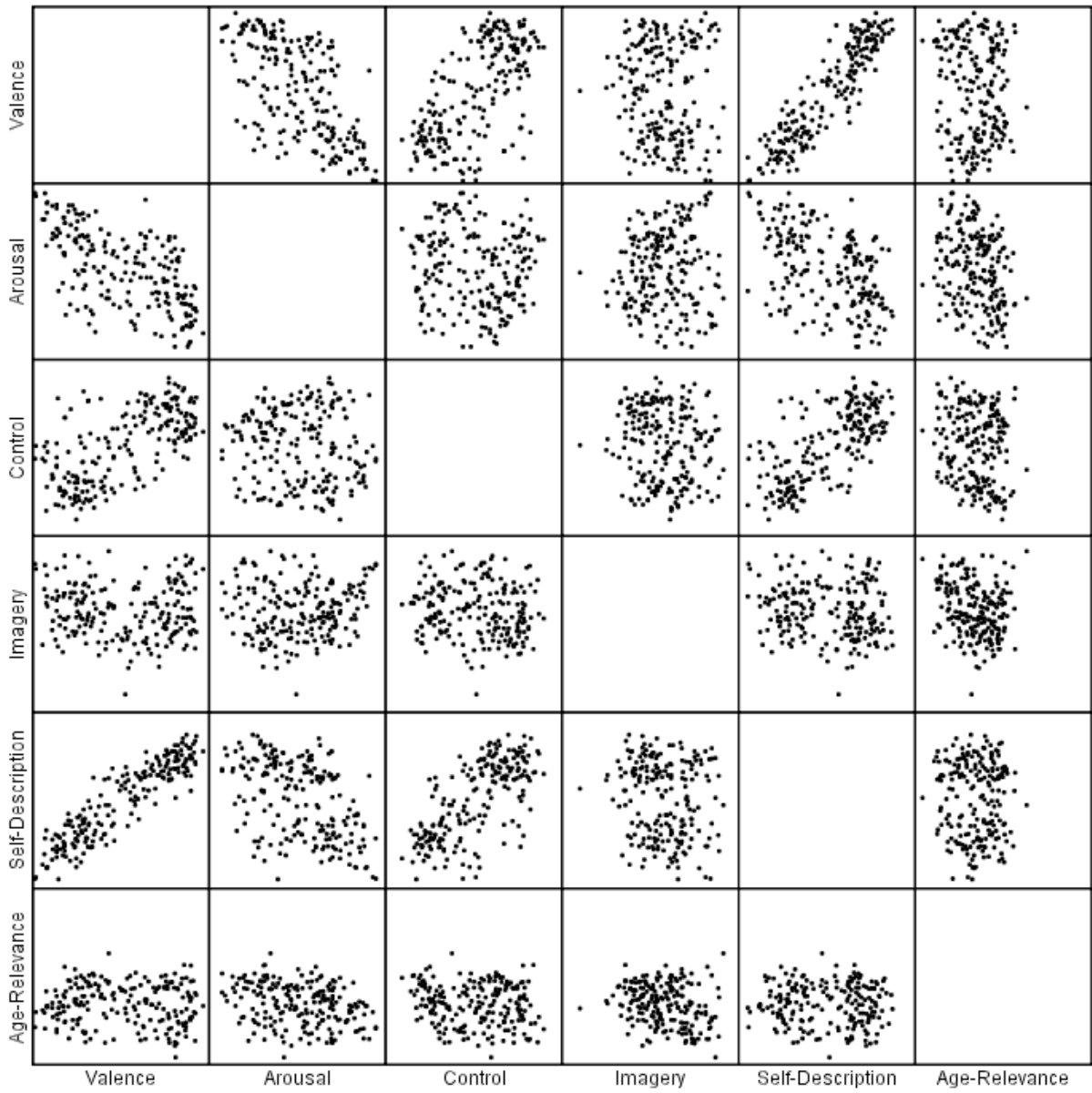


Figure C1 Scatter Matrix between Dimensions for all Words in the Word Rating Study

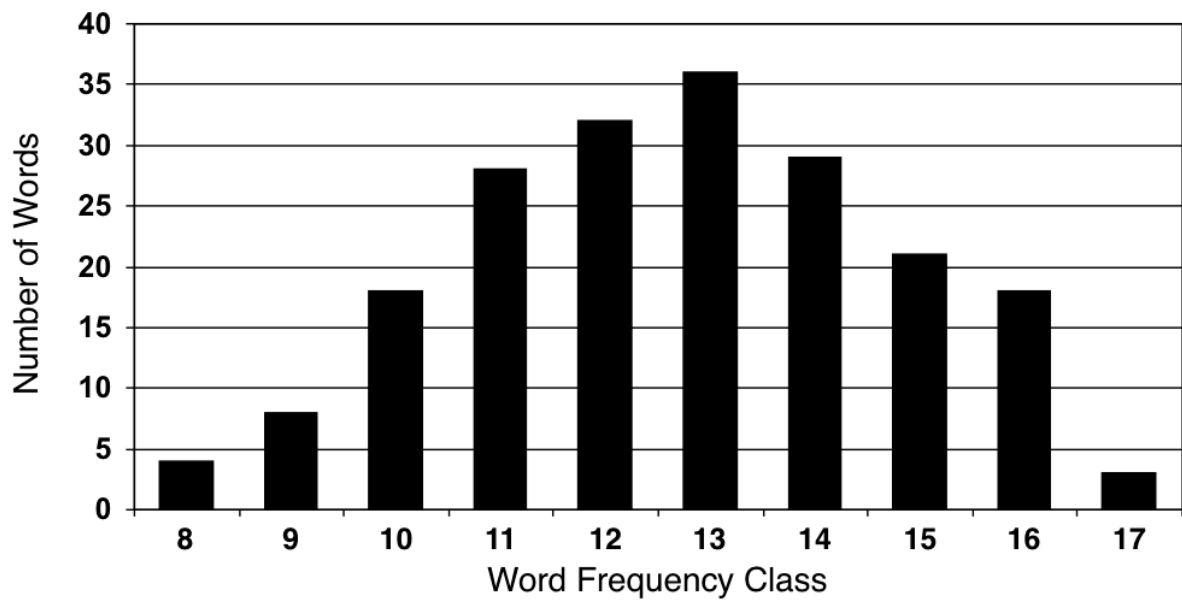


Figure C2 Distribution of Word Frequency Classes

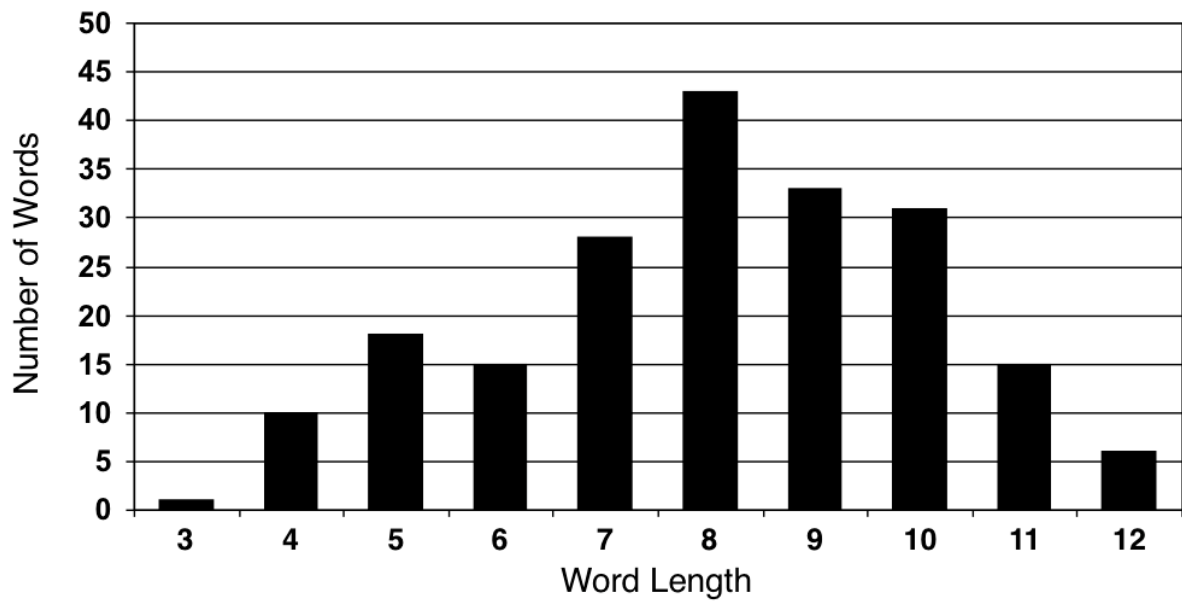


Figure C3 Distribution of Word Lengths

8.4 APPENDIX D: PILOT STUDY

8.4.1 Overview

The goals of this pilot study were fourfold: (a) to check the general procedure for unexpected problems, (b) to examine questions about the number of learning trials and the number of words to be given to young and older adults, (c) to examine the practicality of giving different numbers of words to young and older adults, and (d) to examine the feasibility of the proposed retention intervals.

8.4.2 Method

8.4.2.1 Participants

The sample comprised 13 young (7 women, 6 men) and 12 older adults (6 women, 6 men) residing in the local area of Berlin. The young adults were 20 to 28 years ($M = 25.0$, $SD = 2.3$) and the older adults were 69 to 78 years of age ($M = 72.9$, $SD = 3.1$). Participants were recruited from an in-house database of participants of previous studies conducted in the Max Planck Institute for Human Development.

Young adults were predominantly university students whereas only one older adult had a higher education (university degree). In both emotion-homogeneous lists, 8 persons (4 young and 4 older adults) were enrolled each. Half of them completed the free recall task one hour after acquisition, the other half one week later. In the emotion-heterogeneous list, 9 persons (5 young and 4 older adults) were enrolled. All of them performed the free recall task after one hour and after one week.

8.4.2.2 Word Lists

For this pilot study, three kinds of lists were constructed: an emotion-homogeneous list of only positive words, an emotion-homogeneous list of only negative words, and a heterogeneous list of negative, neutral, and positive words. The list length was 27 words for the young adults and 18 words for the older adults. Positive and negative words were matched on word frequency, word length, imagery, and emotionality. However, due to the restricted design in the pilot study, it was not possible to balance words for young and older adults completely. Thus, results of the pilot study should be taken with caution.

8.4.2.3 Procedure

For two sessions, participants arrived at the Max Planck Institute for Human Development, Berlin in groups from two to five persons. Each participant was seated at a table that was separated by partitions so that participants could not look at each other.

Depending on the retention interval applied, the first session consisted of three or four parts: an introduction, the learning phase, the filler task phase, and an optional recall phase. In the introduction, the experimenter welcomed the participants and gave them a general instruction about the course of the session. Afterwards, participants filled out a short booklet designed to assess demographic characteristics. In the learning phase, an Apple iBook computer was placed in front of each participant so that participants had a good sight on the screen. Participants were instructed that they have to learn words.

To ensure sufficient acquisition in the learning phase, 5 learning trials were applied. In each trial, one word after another was presented on the computer screen. Each word was presented for 2000ms followed by a black screen for 1000ms. Immediately after the presentation of all words, participants were asked to write down on a single sheet the words they could recall. After three minutes, the experimenter collected the sheets and asked the participants to start with the next trial. Across all trials, the presentation order of the words was the same.

In the filler task phase, participants completed some tasks for crystallized and fluid intelligence, which were hardly related to the learning task to minimize interference effects in memory. For crystallized intelligence, two spot-a-word tasks were assessed: the MWT-B and the WST. For fluid intelligence, participants completed Wechsler's Symbol Substitution Test and Raven's Standard Progressive Matrices. However, given the individual differences in speed, some individuals were also given some or all matrices from Raven's Advanced Progressive Matrices, so that all participants were occupied for at least one hour.

Depending on the retention interval, participants in the 1-hour condition were interrupted by the experimenter after approximately one hour and asked to perform the free recall task. In contrast, participants in the 1-week condition finished their tasks and went home. After one week, all participants (also participants in the 1-hour condition) did the free recall task in the beginning of the second session. The free recall tasks were not mentioned by the experimenter before.

In the free recall task, the experimenter handed out a single sheet to each participant. As in the learning phase, participants were asked to write down all words they still could recall. After three minutes, the experimenter collected the written sheets. However, to ensure

that participants recalled all accessible words in their minds, the recall task was repeated three times in a row. Afterwards, participants completed some follow-up questions about the learning and recall experiences (e.g., motivation, difficulty, use of strategies). In the rest of the session, participants completed two booklets. The first booklet was a collection of questionnaires concerning personality, emotions, and subjective memory. The second booklet was similar to the booklet used in the word rating study.

8.4.3 Results

The results of the pilot study are summarized regarding two aspects: (a) the number of words recalled after 5 learning trials for young and older adults, and (b) the number of words recalled after one week for young and older adults. Figures with the results are provided in the attached slides.

After five learning trials, young adults recalled more words than older adults did. This is true for the raw number of words recalled ($M_{\text{young}} = 22.0$, $M_{\text{old}} = 10.3$) as well as for the proportion of words recalled from the original list ($P_{\text{young}} = 81.5\%$, $P_{\text{old}} = 57.2\%$). Two factors may have influenced this pattern. First, the young participants in the pilot study, in stark contrast to the older adults, were very highly educated and education is a moderate predictor of memory performance. Second, the order of the words were not randomized or balanced in the five learning trials. However, it is well-known that young adults often use a serial strategy to remember word lists. In contrast, older adults hardly profit by using such a strategy. Thus, by using the same order across the five learning trials, memory performance was especially enhanced for young adults. The consequences for the design of the main experiment are that word order will be randomized across learning trials and that the sample will be stratified by education.

After one week, both age groups recalled approximately 60 percent of their initial acquisition after five learning trials. Thus, a 1-week retention interval seems to be short enough to avoid floor effects in the recall performance.

8.5 APPENDIX E: DESIGN FEATURES OF THE EXPERIMENT

Table E1	<i>Word Characteristics by Word Sets</i>	A-54
Table E2	<i>Psychometric Properties of Affect, Well-Being, and Personality Scales</i>	A-54
Table E3	<i>Person Characteristics in the Experiment by Age Group and Sex</i>	A-55
Table E4	<i>Analyses of Variance for Person Characteristics in the Experiment</i>	A-56
Figure E1	List Sequences.....	A-57

Table E1

Word Characteristics by Word Sets

	Negative			Neutral			Positive			Effect Sizes		
	S1	S2	S3	S1	S2	S3	S1	S2	S3	V	S	VxS
Frequency	6.67	5.61	6.26	11.11	7.65	4.88	8.21	8.41	11.76	.02	.01	.04
	7.62	5.78	7.74	13.38	6.59	3.86	12.42	8.01	12.54			
Frequency Class	12.40	12.90	13.20	12.80	12.20	13.10	12.80	12.40	11.80	.02	.00	.05
	1.08	1.60	1.99	2.44	1.23	1.52	1.93	1.84	1.69			
Length	7.80	7.90	7.90	8.20	8.50	8.20	8.00	7.90	8.20	.01	.00	.00
	1.81	2.28	2.03	1.48	2.01	1.99	1.63	2.18	1.40			
Valence	2.14	1.99	2.15	3.92	3.83	4.07	6.07	6.15	5.99	.93***	.01	.03
	0.32	0.42	0.35	0.67	0.59	0.77	0.26	0.35	0.41			
Emo. Intensity	1.86	2.01	1.85	0.57	0.52	0.66	2.08	2.15	1.98	.81***	.01	.03
	0.32	0.42	0.35	0.29	0.29	0.25	0.26	0.35	0.41			
Arousal	5.11	5.32	5.16	3.65	4.12	3.85	2.68	3.12	3.24	.47***	.03	.01
	1.05	1.05	0.94	1.17	0.84	1.19	0.76	0.54	1.34			
Control	2.84	2.96	3.37	3.61	3.84	3.77	4.85	4.85	4.76	.39***	.01	.02
	0.84	0.84	1.16	1.15	1.14	1.34	0.52	0.65	0.62			
Imagery	4.71	4.56	4.75	4.58	3.99	4.33	4.84	4.68	4.81	.07	.03	.01
	0.49	0.73	1.09	0.76	0.71	0.70	1.00	0.87	0.86			
Self-Relevance	2.55	2.49	2.63	3.68	3.92	3.76	5.46	5.40	5.28	.76***	.00	.01
	0.36	0.59	0.48	0.90	0.94	1.11	0.36	0.52	0.39			
Age-Relevance	3.04	2.95	3.19	3.39	3.10	2.89	2.99	3.10	2.84	.01	.01	.04
	0.44	0.75	0.54	0.72	0.73	0.37	0.66	0.72	0.73			

Note. Word sets within each valence category are depicted as S1, S2, and S3. For each word characteristic, the first row shows mean values whereas the second row shows standard deviations. Effect sizes were partial eta-squares (η_p^2). V = Main effect of valence. S = Main effect of word set. VxS = Interaction effect.

*** $p < .001$.

Table E2

Psychometric Properties of Affect, Well-being, and Personality Scales

	M	SE	SD	Skewness	Kurtosis	#	Reliability	
							α_{raw}	α_z
<i>Affect</i>								
Negative Trait Affect (PANAS)	2.855	0.088	1.049	0.683	0.372	10	.876	.876
Positive Trait Affect (PANAS)	5.006	0.082	0.977	-0.625	0.732	10	.896	.897
<i>Well-Being</i>								
Life Satisfaction (SWLS)	4.305	0.108	1.295	-0.342	-0.552	5	.841	.851
Depression (CES-D)	0.666	0.033	0.399	0.958	1.070	20	.831	.842
<i>Personality (NEO-FFI)</i>								
Neuroticism	3.409	0.089	1.064	0.542	0.338	12	.838	.839
Extraversion	4.477	0.070	0.841	-0.072	-0.486	12	.745	.755
Openness	4.880	0.073	0.876	0.075	-0.771	12	.707	.715
Conscientiousness	5.164	0.080	0.960	-0.736	0.125	12	.839	.845
Agreeableness	5.093	0.061	0.728	-0.286	-0.047	12	.687	.698

Table E3

Person Characteristics in the Experiment by Age Group and Sex

	Means				Standard Deviations			
	Young Adults		Older Adults		Young Adults		Older Adults	
	W	M	W	M	W	M	W	M
<i>Age (in years)</i>	24.16	24.37	68.67	69.84	3.76	3.24	2.64	3.26
<i>Education (in years)</i>	13.45	13.56	13.34	13.22	3.40	3.76	3.16	3.79
<i>Affect</i>								
Current Mood ^a	4.94	5.44	5.28	5.36	1.29	1.00	1.43	0.93
Negative Affect (PANAS) ^a	3.45	2.95	2.48	2.53	1.24	1.00	0.85	0.77
Positive Affect (PANAS) ^a	5.10	4.88	5.05	5.00	1.09	1.07	0.87	0.88
<i>Well-Being</i>								
Life Satisfaction (SWLS) ^a	4.01	3.53	4.63	5.06	1.31	1.34	1.05	0.92
Depression (CES-D) ^b	0.75	0.70	0.63	0.58	0.45	0.37	0.40	0.36
Subjective Physical Health ^a	5.72	5.44	4.67	4.72	1.19	1.30	1.20	1.16
Subjective Mental Health ^a	5.61	5.44	5.39	5.40	1.10	1.18	0.99	0.95
<i>Personality (NEO-FFI)</i>								
Neuroticism ^a	3.94	3.32	3.35	3.03	1.26	1.04	0.85	0.87
Extraversion ^a	4.75	4.60	4.45	4.10	0.85	0.84	0.82	0.74
Openness ^a	4.80	5.04	5.02	4.67	1.05	0.83	0.78	0.81
Conscientiousness ^a	5.01	4.67	5.48	5.10	0.93	1.20	0.69	0.71
Agreeableness ^a	5.29	4.65	5.39	5.05	0.71	0.83	0.60	0.54
<i>Cognitive Functioning</i>								
Vocabulary (WST) ^c	30.67	32.49	34.61	34.67	5.39	4.38	3.55	3.91
Vocabulary (MWT-B) ^d	28.08	28.08	32.94	32.89	4.52	5.27	1.82	1.65
Reasoning (SPM) ^e	49.08	51.86	44.11	45.97	5.33	6.11	7.15	5.47
Perceptual Speed (DSS)	58.61	58.47	47.06	43.51	10.70	12.08	7.76	7.34

Note. W = Women. M = Men. ^aSeven-point scale ranging from 1 to 7. ^bFour-point scale ranging from 0 to 3. ^cMaximum score is 42. ^dMaximum score is 37. ^eMaximum score is 60.

Table E4

Analyses of Variance for Person Characteristics in the Experiment

	Age			Sex			Age x Sex		
	<i>F</i>	<i>p</i>	η_p^2	<i>F</i>	<i>p</i>	η_p^2	<i>F</i>	<i>p</i>	η_p^2
<i>Age (in years)</i>	6893.78	<.001	.980	1.62	.205	.011	0.79	.377	.006
<i>Education (in years)</i>	0.14	.711	.001	0.00	.986	<.001	0.04	.846	<.001
<i>Affect</i>									
Current Mood	0.41	.525	.003	2.21	.140	.016	1.13	.290	.008
Negative Affect (PANAS)	17.74	<.001	.113	1.94	.166	.014	2.88	.092	.020
Positive Affect (PANAS)	0.05	.820	<.001	0.70	.405	.005	0.28	.599	.002
<i>Well-Being</i>									
Life Satisfaction (SWLS)	30.39	<.001	.178	0.02	.884	<.001	5.49	.020	.038
Depression (CES-D)	3.44	.066	.024	0.52	.471	.004	0.00	.991	<.001
Subjective Physical Health	19.39	<.001	.122	0.30	.583	.002	0.68	.410	.005
Subjective Mental Health	0.57	.454	.004	0.19	.662	.001	0.25	.617	.002
<i>Personality (NEO-FFI)</i>									
Neuroticism	6.72	.011	.046	7.66	.006	.052	0.83	.364	.006
Extraversion	8.51	.004	.057	3.41	.067	.024	0.54	.463	.004
Openness	0.30	.587	.002	0.17	.682	.001	4.06	.046	.028
Conscientiousness	18.54	<.001	.117	1.10	.295	.008	1.36	.245	.010
Agreeableness	4.96	.027	.034	18.33	<.001	.116	1.79	.184	.013
<i>Cognitive Functioning</i>									
Vocabulary WST	17.61	<.001	.112	1.65	.201	.012	1.46	.229	.010
Vocabulary MWT-B	59.52	<.001	.298	0.01	.910	<.001	0.04	.839	<.001
Reasoning (SPM)	28.47	<.001	.171	5.19	.024	.036	0.20	.654	.001
Mental Speed (DSS)	66.23	<.001	.324	1.28	.260	.009	1.09	.298	.008

Note. All ANOVAs were run with age (young vs. old) and sex (women vs. men) as between-subjects factors. The degrees of freedom for all F-Tests were (1,139). Significant effect sizes ($p < .05$) were shown in bold.

Position within Lists

30 List Sequences

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
16	1	17	2	18	3	19	4	20	5	21	6	22	7	23	8	24	9	25	10	26	11	27	12	28	13	29	14	30	15
21	11	1	22	12	2	23	13	3	24	14	4	25	15	5	26	16	6	27	17	7	28	18	8	29	19	9	30	20	10
8	16	24	1	9	17	25	2	10	18	26	3	11	19	27	4	12	20	28	5	13	21	29	6	14	22	30	7	15	23
25	19	13	7	1	26	20	14	8	2	27	21	15	9	3	28	22	16	10	4	29	23	17	11	5	30	24	18	12	6
26	21	16	11	6	1	27	22	17	12	7	2	28	23	18	13	8	3	29	24	19	14	9	4	30	25	20	15	10	5
9	18	27	5	14	23	1	10	19	28	6	15	24	2	11	20	29	7	16	25	3	12	21	30	8	17	26	4	13	22
4	8	12	16	20	24	28	1	5	9	13	17	21	25	29	2	6	10	14	18	22	26	30	3	7	11	15	19	23	27
7	14	21	28	4	11	18	25	1	8	15	22	29	5	12	19	26	2	9	16	23	30	6	13	20	27	3	10	17	24
28	25	22	19	16	13	10	7	4	1	29	26	23	20	17	14	11	8	5	2	30	27	24	21	18	15	12	9	6	3
17	3	20	6	23	9	26	12	29	15	1	18	4	21	7	24	10	27	13	30	16	2	19	5	22	8	25	11	28	14
13	26	8	21	3	16	29	11	24	6	19	1	14	27	9	22	4	17	30	12	25	7	20	2	15	28	10	23	5	18
12	24	5	17	29	10	22	3	15	27	8	20	1	13	25	6	18	30	11	23	4	16	28	9	21	2	14	26	7	19
20	9	29	18	7	27	16	5	25	14	3	23	12	1	21	10	30	19	8	28	17	6	26	15	4	24	13	2	22	11
29	27	25	23	21	19	17	15	13	11	9	7	5	3	1	30	28	26	24	22	20	18	16	14	12	10	8	6	4	2
2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	1	3	5	7	9	11	13	15	17	19	21	23	25	27	29
11	22	2	13	24	4	15	26	6	17	28	8	19	30	10	21	1	12	23	3	14	25	5	16	27	7	18	29	9	20
19	7	26	14	2	21	9	28	16	4	23	11	30	18	6	25	13	1	20	8	27	15	3	22	10	29	17	5	24	12
18	5	23	10	28	15	2	20	7	25	12	30	17	4	22	9	27	14	1	19	6	24	11	29	16	3	21	8	26	13
14	28	11	25	8	22	5	19	2	16	30	13	27	10	24	7	21	4	18	1	15	29	12	26	9	23	6	20	3	17
3	6	9	12	15	18	21	24	27	30	2	5	8	11	14	17	20	23	26	29	1	4	7	10	13	16	19	22	25	28
24	17	10	3	27	20	13	6	30	23	16	9	2	26	19	12	5	29	22	15	8	1	25	18	11	4	28	21	14	7
27	23	19	15	11	7	3	30	26	22	18	14	10	6	2	29	25	21	17	13	9	5	1	28	24	20	16	12	8	4
22	13	4	26	17	8	30	21	12	3	25	16	7	29	20	11	2	24	15	6	28	19	10	1	23	14	5	27	18	9
5	10	15	20	25	30	4	9	14	19	24	29	3	8	13	18	23	28	2	7	12	17	22	27	1	6	11	16	21	26
6	12	18	24	30	5	11	17	23	29	4	10	16	22	28	3	9	15	21	27	2	8	14	20	26	1	7	13	19	25
23	15	7	30	22	14	6	29	21	13	5	28	20	12	4	27	19	11	3	26	18	10	2	25	17	9	1	24	16	8
10	20	30	9	19	29	8	18	28	7	17	27	6	16	26	5	15	25	4	14	24	3	13	23	2	12	22	1	11	21
15	30	14	29	13	28	12	27	11	26	10	25	9	24	8	23	7	22	6	21	5	20	4	19	3	18	2	17	1	16
30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1

Figure E1. List Sequences. Each number represents one word. The rows represent different lists and the columns represents the presentation position within the list from left to right.

9.6 APPENDIX F: ADDITIONAL RESULTS IN THE EXPERIMENT

Table F1	<i>Descriptive Statistics for Overall Recall Performance of Young and Older Adults</i>	A-60
Table F2	<i>Intercorrelation Matrix in Recall Performance in Young and Older Adults</i>	A-60
Table F3	<i>Analyses of Variance for Overall Recall Performance in the Learning Phase</i>	A-61
Table F4	<i>Multivariate Tests of Homogeneity (Box's M) in the Learning Phase</i>	A-61
Table F5	<i>Univariate Tests of Homogeneity (Levene's Test) in the Learning Phase</i>	A-61
Table F6	<i>Analyses of Variance for the Heterogeneous and Homogeneous List Condition in the Learning Phase</i>	A-62
Table F7	<i>Follow-up Comparisons between Valence Categories for the Heterogeneous and Homogeneous List Condition in the Learning Phase</i>	A-62
Table F8	<i>Analyses of Variance for Overall Recall Performance in the Retention Interval</i>	A-63
Table F9	<i>Mean Recall Performance for each Trial in the Retention Phase by List Condition, Age Group, and Valence</i>	A-63
Table F10	<i>Analyses of Variance for Mean Recall Performance in the Heterogeneous and Homogeneous List Condition within the Retention Phase</i>	A-64
Table F11	<i>Follow-up Comparisons for Mean Recall Performance between Valence Categories in the Heterogeneous and Homogeneous List Condition within the Retention Phase</i>	A-64
Table F12	<i>Correlation Matrix for Person Characteristics used in the Analyses of Covariance</i>	A-65
Table F13	<i>Analyses of Variance for Mean Recall of the First Three and First Five Items Recalled in the Emotion-Heterogeneous List Condition</i>	A-65
Table F14	<i>Follow-up Comparisons between Valence Categories in the Mean Recall of the First Three Items Recalled in the Emotion-Heterogeneous List Condition</i>	A-66
Table F15	<i>Analyses of Variance for Percent of Recalled Words within Subjective Valence Categories (SV)</i>	A-66
Table F16	<i>Follow-up Comparisons for Percent of Recalled Words within Subjective Valence Categories (SV) in the Learning and Retention Phase</i>	A-66
Table F17	<i>Means for 10-Word Sets by Trial, List Condition, and Age Group in the Learning Phase</i>	A-67
Table F18	<i>Means for 10-Word Sets by Trial, List Condition, and Age Group in the Retention Phase</i>	A-67
Table F19	<i>Word Ratings by List Condition, Age Group, and Valence</i>	A-68
Table F20	<i>Analyses of Variance for Word Ratings in the Heterogeneous and Homogeneous List Context (L) by Age Group (A) and Valence (V)</i>	A-68

Table F21	<i>Analyses of Variance for Recallability of Positive, Negative, and Neutral Words in the Learning Phase, the 1-Hour and 1-Week Recall</i>	A-68
Table F22	<i>Follow-up Comparisons for Recallability of Positive, Negative, and Neutral Words in the Learning Phase, the 1-Hour and 1-Week Recall</i>	A-69
Table F23	<i>Mean Recallability by List Conditions, Age Group, Valence Category, and Retention Interval</i>	A-69

Table F1
Descriptive Statistics for Overall Recall Performance of Young and Older Adults

	Young Adults						Older Adults					
	<i>M</i>	<i>SD</i>	<i>Min</i>	<i>Max</i>	<i>S</i>	<i>K</i>	<i>M</i>	<i>SD</i>	<i>Min</i>	<i>Max</i>	<i>S</i>	<i>K</i>
<i>Learning Phase</i>												
Trial 1	8.13	2.47	3	14	0.23	-0.45	7.10	2.47	1	14	0.33	-0.09
Trial 2	12.14	3.24	7	21	0.59	-0.07	9.79	2.75	4	18	0.33	0.15
Trial 3	14.72	3.84	6	25	0.03	-0.09	11.68	3.53	6	20	0.40	-0.77
Trial 4	16.75	4.05	7	25	-0.11	-0.51	13.14	4.32	6	25	0.67	-0.06
Trial 5	18.40	4.63	6	29	-0.14	-0.13	14.43	4.33	6	25	0.41	-0.51
<i>1-Hour Recall</i>												
Trial 1	15.21	5.33	5	28	0.11	-0.75	10.43	4.88	4	23	0.66	-0.34
Trial 2	14.88	5.37	4	28	-0.02	-0.52	10.18	5.03	2	25	0.71	0.04
Trial 3	15.11	5.62	5	27	-0.01	-0.67	10.04	4.82	2	24	0.72	0.33
<i>1-Week Recall</i>												
Trial 1	10.42	4.98	1	26	0.31	0.22	6.65	4.57	1	19	0.95	0.20
Trial 2	10.92	5.23	1	26	0.28	-0.20	7.08	4.93	1	20	1.01	0.25
Trial 3	11.26	5.57	1	26	0.18	-0.53	7.22	5.00	1	20	1.03	0.13

Note. Standard errors for skewness (S) and kurtosis (K) statistics are 0.28 and 0.56 respectively.

Table F2
Intercorrelation Matrix in Recall Performance in Young and Older Adults

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	
<i>Learning Phase</i>												
Trial 1	(1)	1.00	.75	.67	.69	.62	.69	.65	.68	.65	.65	.66
Trial 2	(2)	.66	1.00	.81	.76	.73	.75	.74	.75	.65	.68	.69
Trial 3	(3)	.72	.79	1.00	.85	.78	.81	.82	.83	.76	.79	.79
Trial 4	(4)	.72	.78	.84	1.00	.83	.81	.83	.86	.73	.75	.76
Trial 5	(5)	.68	.79	.83	.89	1.00	.85	.86	.86	.74	.76	.77
<i>1-Hour Recall</i>												
Trial 1	(6)	.64	.71	.74	.78	.84	1.00	.94	.94	.84	.85	.85
Trial 2	(7)	.58	.63	.71	.77	.84	.95	1.00	.95	.81	.83	.83
Trial 3	(8)	.56	.70	.74	.76	.86	.93	.95	1.00	.84	.84	.84
<i>1-Week Recall</i>												
Trial 1	(9)	.54	.66	.65	.66	.71	.78	.76	.76	1.00	.97	.98
Trial 2	(10)	.54	.66	.65	.69	.74	.82	.80	.79	.97	1.00	.98
Trial 3	(11)	.53	.65	.65	.67	.72	.81	.80	.79	.96	.98	1.00

Note. Correlations shown above diagonal stand for young adults; below diagonal stand for older adults. All correlations were significant at $p < .001$.

Table F3

Analyses of Variance for Overall Recall Performance in the Learning Phase

	<i>F</i>	<i>df</i>		<i>p</i>	η^2
Age Group (A)	26.94	1	140	<.001	.161
Trial (T)	483.68	4	560	<.001	.776
Condition (C)	1.51	1	140	.221	.011
A x T	13.66	4	560	<.001	.089
A x C	1.25	1	140	.266	.009
T x C	0.50	4	560	.736	.004
A x T x C	1.28	4	560	.276	.009

Note. Effect sizes in bold are significant at $p < .05$.

Table F4

Multivariate Tests of Homogeneity (Box's M)

	<i>Box's M</i>	<i>F</i>	<i>df</i>		<i>p</i>
<i>Learning Phase</i>					
Heterogeneous List Condition	184.03	1.18	120	15191	.084
Homogeneous List Condition	112.23	1.20	75	7323	.117
<i>Retention Phase</i>					
Heterogeneous List Condition	46.94	0.90	45	16097	.663
Homogeneous List Condition	43.80	1.29	30	9844	.135

Note. Box's M tests the violation of equal variance-covariance matrices across between-subjects groups. Significant F-values would indicate different variance-covariance matrices between groups.

Table F5

Univariate Tests of Homogeneity (Levene's Test)

	Heterogeneous Lists ^a						Homogeneous Lists ^b	
	Negative Words		Positive Words		Neutral Words		<i>F</i>	<i>p</i>
	<i>F</i>	<i>p</i>	<i>F</i>	<i>p</i>	<i>F</i>	<i>p</i>		
<i>Learning Phase</i>								
Trial 1	0.01	.933	0.58	.450	0.56	.458	0.55	.737
Trial 2	2.98	.089	0.99	.324	0.10	.756	1.31	.272
Trial 3	0.13	.721	0.11	.745	1.27	.264	0.56	.732
Trial 4	4.65	.034	1.32	.255	0.24	.627	0.91	.483
Trial 5	0.35	.558	1.18	.281	0.47	.495	1.28	.282
<i>Retention Phase</i>								
1-Hour Recall	0.01	.906	0.88	.351	1.15	.287	1.17	.334
1-Week Recall	3.03	.086	0.02	.898	0.74	.394	1.44	.223

Note. Levene's Test checks for each level of the within-subjects factor for equal error variances across between-subjects groups. Significant F-values indicate different error variances between groups. ^aDegrees of freedom for F-tests are (1,70). ^bDegrees of freedom for F-tests are (5,66).

Table F6

Analyses of Variance for the Heterogeneous and Homogeneous List Condition in the Learning Phase

	Heterogeneous List Condition				Homogeneous List Condition					
	<i>F</i>	<i>df</i>	<i>p</i>	η^2	<i>F</i>	<i>df</i>	<i>p</i>	η^2		
Age Group (A)	19.81	1	70	<.001	.221	8.93	1	66	.004	.119
Trial (T)	247.98	4	67	<.001	.780	228.19	4	63	<.001	.776
Valence (V)	4.75	2	69	.010	.064	3.52	2	66	.035	.096
A x T	9.00	4	67	.001	.114	5.64	4	63	<.001	.079
A x V	1.68	2	69	.190	.023	1.01	2	66	.370	.030
T x V	0.73	8	63	.665	.010	0.12	8	128	.919	.012
A x T x V	0.67	8	63	.721	.009	0.48	8	128	.901	.014

Note. Effect sizes in bold are significant at $p < .05$.

Table F7

Follow-up Comparisons between Valence Categories for the Heterogeneous and Homogeneous List Condition in the Learning Phase

	Negative vs. Neutral				Positive vs. Neutral				Negative vs. Positive						
	<i>F</i>	<i>df</i>	<i>p</i>	η_p^2	<i>F</i>	<i>df</i>	<i>p</i>	η_p^2	<i>F</i>	<i>df</i>	<i>p</i>	η_p^2			
Heterogeneous List Condition															
Age (A)	19.39	1	70	<.001	.217	16.96	1	70	<.001	.195	16.52	1	70	<.001	.191
Trial (T)	150.75	4	67	<.001	.683	143.58	4	67	<.001	.672	162.35	4	67	<.001	.699
Valence (V)	9.39	1	70	.003	.118	0.21	1	70	.649	.003	4.82	1	70	.031	.031
A x T	5.83	4	67	<.001	.077	5.89	4	67	<.001	.078	5.58	4	67	<.001	.074
A x V	2.23	1	70	.140	.031	3.27	1	70	.075	.045	0.31	1	70	.765	.001
T x V	1.01	4	67	.404	.014	0.70	4	67	.589	.010	0.47	4	67	.761	.007
A x T x V	0.68	4	67	.603	.010	0.37	4	67	.829	.005	0.97	4	67	.425	.014
Homogeneous List Condition															
Age (A)	3.02	1	44	.089	.064	9.27	1	44	.004	.174	6.32	1	44	.016	.126
Trial (T)	145.27	4	41	<.001	.768	175.72	4	41	<.001	.800	138.30	4	41	<.001	.759
Valence (V)	1.97	1	44	.168	.043	7.32	1	44	.010	.143	1.54	1	44	.222	.034
A x T	2.23	4	41	.068	.048	4.58	4	41	.002	.094	5.03	4	41	.001	.103
A x V	0.09	1	44	.762	.002	1.17	1	44	.284	.026	1.58	1	44	.215	.035
T x V	0.67	4	41	.612	.015	0.31	4	41	.869	.007	0.21	4	41	.933	.005
A x T x V	0.16	4	41	.956	.004	0.97	4	41	.427	.022	0.35	4	41	.843	.008

Note. Effect sizes in bold are significant at $p < .05$.

Table F8

Analyses of Variance for Overall Recall Performance in the Retention Phase

	<i>F</i>	<i>df</i>		<i>p</i>	η^2
Age Group (A)	30.15	1	140	<.001	.177
Time (T)	284.65	2	280	<.001	.760
Condition (C)	0.04	1	140	.838	<.001
A x T	18.34	2	280	<.001	.116
A x C	1.30	1	140	.256	.009
T x C	0.15	2	280	.859	.001
A x T x C	2.10	2	280	.125	.015

Note. Effect sizes in bold are significant at $p < .05$.

Table F9

Mean Recall Performance for each Trial in the Retention Phase by List Condition, Age Group, and Valence

	Means						Standard Deviations					
	Young Adults			Old Adults			Young Adults			Old Adults		
	N	P	O	N	P	O	N	P	O	N	P	O
Heterogeneous List Condition												
<i>1-Hour Recall</i>												
Trial 1	5.58	4.94	4.86	3.47	3.22	3.19	2.21	2.08	2.49	2.13	1.71	2.28
Trial 2	5.50	4.75	4.75	3.67	3.25	3.19	2.08	2.05	2.22	2.35	1.96	1.95
Trial 3	5.78	5.03	4.81	3.56	3.17	3.28	2.03	2.17	2.52	2.24	1.88	2.19
<i>1-Week Recall</i>												
Trial 1	3.92	3.67	3.39	2.17	1.81	1.97	2.41	1.79	2.07	2.02	1.72	1.75
Trial 2	4.11	4.00	3.53	2.28	2.00	2.14	2.47	1.84	2.15	2.12	1.82	1.81
Trial 3	4.36	4.06	3.67	2.31	1.94	2.28	2.55	1.93	2.22	2.12	1.85	1.88
Homogeneous List Condition												
<i>1-Hour Recall</i>												
Trial 1	14.42	17.83	12.83	11.17	12.42	9.33	5.44	5.10	3.97	5.57	4.87	3.70
Trial 2	14.08	17.92	12.25	10.25	12.00	8.50	5.49	5.55	4.33	5.85	4.63	3.75
Trial 3	13.92	17.42	12.50	10.50	11.00	8.75	5.09	6.07	4.12	5.38	4.47	3.52
<i>1-Week Recall</i>												
Trial 1	9.00	12.92	7.67	8.25	7.92	5.92	2.95	4.36	4.48	4.69	5.09	3.66
Trial 2	9.25	13.42	7.92	8.67	8.50	6.08	3.31	4.94	4.54	5.61	5.30	3.37
Trial 3	9.25	13.75	8.33	8.58	9.00	6.17	3.75	5.08	5.19	5.68	5.19	3.81

Note. N = Negative words. P = Positive words. O = Neutral words.

Table F10

Analyses of Variance for Mean Recall Performance in the Heterogeneous and Homogeneous List Condition within the Retention Phase

	Heterogeneous List Condition				Homogeneous List Condition					
	<i>F</i>	<i>df</i>	<i>p</i>	η^2	<i>F</i>	<i>df</i>	<i>p</i>	η^2		
Age Group (A)	20.41	1	70	<.001	.226	11.32	1	66	.001	.146
Time (T)	132.88	2	69	<.001	.655	161.67	2	65	<.001	.710
Valence (V)	3.83	2	69	.024	.052	4.60	2	66	.013	.122
A x T	12.66	2	69	<.001	.153	8.07	2	65	<.001	.109
A x V	0.66	2	69	.521	.009	1.03	2	66	.364	.030
T x V	1.71	4	67	.149	.024	3.47	4	132	.010	.095
A x T x V	1.17	4	67	.325	.016	0.62	4	132	.648	.018

Note. Effect sizes in bold were significant at $p < .05$.

Table F11

Follow-up Comparisons for Mean Recall Performance between Valence Categories in the Heterogeneous and Homogeneous List Condition within the Retention Phase

	Negative vs. Neutral				Positive vs. Neutral				Negative vs. Positive						
	<i>F</i>	<i>df</i>	<i>p</i>	η_p^2	<i>F</i>	<i>df</i>	<i>p</i>	η_p^2	<i>F</i>	<i>df</i>	<i>p</i>	η_p^2			
Heterogeneous List Condition															
Age (A)	17.01	1	70	<.001	.195	17.96	1	70	<.001	.204	24.16	1	70	<.001	.257
Time (T)	202.87	2	69	<.001	.743	212.69	2	69	<.001	.752	209.67	2	69	<.001	.750
Valence (V)	8.71	1	70	.004	.111	0.37	1	70	.546	.005	3.46	1	70	.067	.047
A x T	0.28	2	69	.633	.004	0.41	2	69	.668	.006	1.84	2	69	.162	.026
A x V	1.03	1	70	.313	.015	0.09	1	70	.769	.001	0.31	1	70	.577	.004
T x V	0.48	2	69	.618	.007	0.25	2	69	.780	.004	0.82	2	69	.442	.012
A x T x V	0.76	2	69	.470	.011	2.529	2	69	.084	.035	0.67	2	69	.514	.009
Homogeneous List Condition															
Age (A)	4.14	1	44	.048	.086	11.33	1	44	.002	.205	7.99	1	44	.007	.154
Time (T)	84.02	2	43	<.001	.656	120.13	2	43	<.001	.732	122.62	2	43	<.001	.736
Valence (V)	1.90	1	44	.175	.041	9.67	1	44	.003	.180	2.55	1	44	.118	.055
A x T	4.62	2	43	.012	.095	6.86	2	43	.002	.135	5.41	2	43	.006	.109
A x V	0.06	1	44	.806	.001	1.30	1	44	.261	.029	1.56	1	44	.218	.034
T x V	1.48	2	43	.234	.032	7.53	2	43	.001	.146	1.88	2	43	.159	.041
A x T x V	0.25	2	43	.783	.006	0.441	2	43	.645	.010	1.12	2	43	.330	.025

Note. Effect sizes in bold are significant at $p < .05$.

Table F12

Correlation Matrix for Person Characteristics used in the Analyses of Covariance

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
<i>Affect</i>																	
Current Mood	(1)																
Negative Affect	(2)	-.32															
Positive Affect	(3)	.26	-.20														
<i>Well-Being</i>																	
Life Satisfaction	(4)	.28	-.43	.40													
Depression	(5)	-.43	.57	-.34	-.47												
Physical Health	(6)	.40	-.17	.30	.13	-.19											
Mental Health	(7)	.37	-.40	.33	.23	-.39	.42										
<i>Personality</i>																	
Neuroticism	(8)	-.41	.68	-.40	-.50	.67	-.27	-.45									
Extraversion	(9)	.29	-.10	.52	.25	-.27	.31	.27	-.26								
Openness	(10)	.12	.00	.29	.09	-.12	-.04	.01	-.11	.18							
Conscientiousness	(11)	.17	-.40	.33	.56	-.35	.02	.30	-.40	.18	-.16						
Agreeableness	(12)	.16	-.30	.13	.29	-.26	.08	.23	-.23	.31	.02	.21					
<i>Intellectual Functioning</i>																	
Vocabulary WST	(13)	.14	-.23	.05	.15	-.25	-.16	.10	-.31	-.16	.41	.00	.14				
Vocabulary MWT-B	(14)	.14	-.29	.06	.26	-.20	-.23	.02	-.27	-.17	.28	.10	.13	.77			
Reasoning	(15)	.08	.00	.05	-.19	-.14	.20	.11	-.07	.04	.23	-.33	-.18	.14	-.03		
Perceptual Speed	(16)	.01	.05	.04	-.12	-.04	.25	.09	-.03	.19	.20	-.12	-.04	.14	-.04	.43	
<i>Years of Education</i>	(17)	.15	-.18	.09	.08	-.23	.15	.11	-.22	.08	.38	-.16	.18	.49	.29	.35	.36

Note. Values in bold are significant at $p < .05$.

Table F13

Analyses of Variance for Mean Recall of the First Three and First Five Items Recalled in the Emotion-Heterogeneous List Condition

	First Three Items Recalled				First Five Items Recalled			
	<i>F</i>	<i>df</i>	<i>p</i>	η^2	<i>F</i>	<i>df</i>	<i>p</i>	η^2
Age Group (A)	4.44	1 70	.039	.060	8.30	1 70	.005	.106
Time (T)	38.87	2 140	<.001	.357	55.23	2 140	<.001	.441
Valence (V)	0.86	2 140	.425	.012	1.44	2 140	.241	.020
A x T	4.96	2 140	.008	.066	1.20	2 140	<.001	.105
A x V	0.15	2 140	.883	.002	0.60	2 140	.553	.008
T x V	0.08	4 280	.989	.001	0.31	4 280	.872	.004
A x T x V	1.32	4 280	.263	.019	1.38	4 280	.242	.019

Note. Effect sizes in bold were significant at $p < .05$.

Table F14

Follow-up Comparisons between Valence Categories in the Mean Recall of the First Three Items Recalled in the Emotion-Heterogeneous List Condition

	Negative vs. Neutral				Positive vs. Neutral				Negative vs. Positive			
	<i>F</i>	<i>df</i>	<i>p</i>	η_p^2	<i>F</i>	<i>df</i>	<i>p</i>	η_p^2	<i>F</i>	<i>df</i>	<i>p</i>	η_p^2
Age (A)	0.70	1 70	.406	.010	17.96	1 70	<.001	.204	24.16	1 70	<.001	.257
Time (T)	9.99	2 140	<.001	.125	212.69	2 69	<.001	.752	209.67	2 69	<.001	.750
Valence (V)	1.56	1 70	.215	.022	0.37	1 70	.546	.005	3.46	1 70	.067	.047
A x T	1.30	2 140	.276	.018	0.41	2 69	.668	.006	1.84	2 69	.162	.026
A x V	0.01	1 70	.909	<.001	0.09	1 70	.769	.001	0.31	1 70	.577	.004
T x V	0.02	2 140	.976	<.001	0.25	2 69	.780	.004	0.82	2 69	.442	.012
A x T x V	2.58	2 140	.080	.035	2.529	2 69	.084	.035	0.67	2 69	.514	.009

Note. Effect sizes in bold are significant at $p < .05$.

Table F15

Analyses of Variance for Percent of Recall Words within Subjective Valence Categories

	Learning Phase				Retention Phase			
	<i>F</i>	<i>df</i>	<i>p</i>	η^2	<i>F</i>	<i>df</i>	<i>p</i>	η^2
Age Group (A)	19.85	1 67	<.001	.229	22.08	1 67	<.001	.248
Trial/Time (T)	89.10	4 64	<.001	.848	137.76	2 66	<.001	.807
Sub. Valence (SV)	10.20	2 66	<.001	.236	4.99	2 66	.010	.131
A x T	3.85	4 64	.007	.194	0.60	2 66	.552	.018
A x SV	0.01	2 66	.991	<.001	0.46	2 66	.633	.014
T x SV	1.17	8 60	.331	.135	0.74	4 64	.572	.044
A x T x SV	0.73	8 60	.667	.088	0.69	4 64	.600	.042

Note. Effect sizes in bold are significant at $p < .05$.

Table F16

Follow-up Comparisons for Percent of Recall Words within Subjective Valence Categories (SV) in the Learning Phase and in the Retention Phase

	Negative vs. Neutral				Positive vs. Neutral				Negative vs. Positive			
	<i>F</i>	<i>df</i>	<i>p</i>	η_p^2	<i>F</i>	<i>df</i>	<i>p</i>	η_p^2	<i>F</i>	<i>df</i>	<i>p</i>	η_p^2
Learning Phase												
Age (A)	15.05	1 67	<.001	.183	19.18	1 67	<.001	.223	18.46	1 67	<.001	.216
Trial (T)	58.44	4 64	<.001	.785	61.71	4 64	<.001	.794	79.40	4 64	<.001	.832
Sub. Val. (SV)	20.51	1 67	<.001	.234	1.81	1 67	.183	.026	7.03	1 67	.010	.095
A x T	2.06	4 64	.097	.114	4.47	4 64	.003	.218	3.28	4 64	.017	.170
A x SV	0.02	1 67	.899	<.001	0.00	1 67	.991	<.001	0.01	1 67	.921	<.001
T x SV	1.95	4 64	.112	.109	0.32	4 64	.864	.020	1.02	4 64	.405	.060
A x T x SV	0.64	4 64	.634	.039	0.85	4 64	.500	.050	0.65	4 64	.632	.039
Retention Phase												
Age (A)	18.17	1 67	<.001	.213	19.40	1 67	<.001	.225	23.34	1 67	<.001	.258
Time (T)	109.69	2 66	<.001	.769	118.84	2 66	<.001	.783	87.32	2 66	<.001	.726
Sub. Val. (SV)	9.63	1 67	.003	.126	0.44	2 66	.508	.007	4.56	1 67	.036	.064
A x T	0.53	2 66	.592	.016	0.61	2 66	.547	.018	0.51	2 66	.602	.015
A x SV	0.89	1 67	.350	.013	0.04	1 67	.845	.001	0.43	1 67	.516	.006
T x SV	1.47	2 66	.237	.043	0.22	2 66	.802	.007	0.65	2 66	.527	.019
A x T x SV	1.39	2 66	.257	.040	0.62	2 66	.542	.018	0.22	2 66	.806	.007

Note. Effect sizes in bold are significant at $p < .05$.

Table 17

Means for 10-Word Sets by Trial, List Condition, and Age Group in the Learning Phase

	Means						Standard Deviations					
	Heterogeneous			Homogeneous			Heterogeneous			Homogeneous		
	N	P	O	N	P	O	N	P	O	N	P	O
<i>Young Adults</i>												
Trial 1	3.06	2.64	2.83	2.56	3.14	2.03	0.63	0.49	0.73	0.35	0.77	0.13
Trial 2	4.31	4.03	4.33	3.75	4.47	3.39	0.81	0.60	0.74	0.51	0.51	0.64
Trial 3	5.28	4.69	5.22	4.56	5.36	4.33	0.38	0.77	0.55	0.32	0.59	0.42
Trial 4	6.22	5.75	5.75	5.03	5.86	4.89	1.00	0.68	0.22	0.85	0.67	0.34
Trial 5	6.69	6.25	6.25	5.61	6.69	5.31	0.91	0.43	0.65	0.24	0.93	0.63
<i>Old Adults</i>												
Trial 1	2.50	2.42	2.11	2.64	2.67	1.86	0.74	0.65	0.63	0.1	0.58	0.10
Trial 2	3.81	3.03	3.03	3.39	3.39	2.92	0.42	0.54	0.85	0.55	0.64	0.25
Trial 3	4.22	4.06	3.61	4.00	3.92	3.56	0.71	0.41	0.55	0.38	0.58	0.41
Trial 4	4.89	4.31	3.72	4.58	4.67	4.11	0.59	0.17	0.42	0.46	0.50	0.10
Trial 5	5.03	4.97	4.58	4.86	4.81	4.61	0.67	0.46	0.71	0.35	0.47	0.41

Note. N = Negative words. P = Positive words. O = Neutral words.

Table F18

Means for 10-Word Sets by Trial, List Condition, and Age Group in the Retention Phase

	Means						Standard Deviations					
	Heterogeneous			Homogeneous			Heterogeneous			Homogeneous		
	N	P	O	N	P	O	N	P	O	N	P	O
Young Adults												
<i>1-Hour Recall Trials</i>												
Trial 1	5.58	4.94	4.86	4.81	5.94	4.28	0.79	0.82	0.92	0.67	0.71	0.40
Trial 2	5.50	4.75	4.75	4.70	5.97	4.08	0.88	0.88	0.38	0.71	0.92	0.36
Trial 3	5.78	5.03	4.81	4.64	5.81	4.17	0.96	0.62	0.67	0.67	0.73	0.22
<i>1-Week Recall Trials</i>												
Trial 1	3.92	3.67	3.39	3.00	4.31	2.55	1.10	0.30	0.67	0.37	0.47	0.25
Trial 2	4.11	4.00	3.53	3.08	4.48	2.64	1.07	0.42	0.49	0.30	0.46	0.17
Trial 3	4.36	4.06	3.67	3.08	4.58	2.78	1.07	0.46	0.55	0.42	0.50	0.13
Old Adults												
<i>1-Hour Recall Trials</i>												
Trial 1	3.47	3.22	3.19	3.72	4.14	3.11	0.84	0.75	0.49	0.59	0.79	0.84
Trial 2	3.67	3.25	3.19	3.42	4.00	2.83	0.98	0.50	0.36	0.34	0.80	0.68
Trial 3	3.56	3.17	3.28	3.50	3.67	2.92	0.75	0.94	0.29	0.38	0.66	0.80
<i>1-Week Recall Trials</i>												
Trial 1	2.17	1.81	1.97	2.75	2.64	1.97	0.67	0.78	0.21	0.17	0.59	0.63
Trial 2	2.28	2.00	2.14	2.89	2.83	2.03	0.67	0.85	0.38	0.26	0.74	0.49
Trial 3	2.31	1.94	2.28	2.86	3.00	2.05	0.54	0.71	0.25	0.05	0.58	0.50

Note. N = Negative words. P = Positive words. O = Neutral words.

Table 19
Word Ratings by List Condition, Age Group, and Valence

	Heterogeneous List Condition						Homogeneous List Condition					
	Young Adults			Older Adults			Young Adults			Older Adults		
	N	O	P	N	O	P	N	O	P	N	O	P
	Means											
Valence	2.20	3.93	5.93	2.06	3.75	6.10	2.41	3.83	5.71	2.23	3.90	5.95
Emotional Intensity	1.80	0.66	1.93	1.94	0.81	2.10	1.59	0.58	1.71	1.77	0.69	1.95
Arousal	5.27	3.92	2.77	5.20	3.85	2.74	5.10	3.88	2.94	4.94	3.81	2.96
Young-Stereotype	3.89	4.10	4.50	3.91	3.90	4.40	4.04	4.12	4.79	3.99	3.93	4.31
Old-Stereotype	3.76	4.03	4.49	3.94	4.22	4.94	3.83	4.23	4.66	4.38	4.26	4.62
Self-Relevance	3.16	4.08	5.02	2.42	3.78	5.32	2.87	3.94	5.25	2.52	3.63	5.00
	Standard Deviations											
Valence	0.41	0.77	0.37	0.44	0.93	0.39	0.34	0.66	0.37	0.49	0.81	0.32
Emotional Intensity	0.41	0.39	0.37	0.44	0.50	0.39	0.34	0.34	0.37	0.49	0.42	0.32
Arousal	0.68	0.89	0.76	0.86	1.23	0.97	0.68	0.77	0.83	0.87	0.83	0.60
Young-Stereotype	0.57	0.81	0.71	0.87	1.09	1.11	0.58	0.73	0.75	0.78	0.94	0.97
Old-Stereotype	0.59	0.84	0.61	0.71	0.91	0.66	0.78	0.86	0.76	0.79	1.01	0.65
Self-Relevance	0.58	0.63	0.52	0.48	1.05	0.45	0.50	0.76	0.40	0.48	0.86	0.35

Note. N = Negative words. O = Neutral words. P = Positive words.

Table 20
Analyses of Variance for Word Ratings in the Heterogeneous and Homogeneous List Context (L) by Age Group (A) and Valence (V)

	Age ^a		Valence ^b		List ^a		AxV ^b		AxL ^b		VxL ^b		AxVxL ^b	
	F	η_p^2	F	η_p^2	F	η_p^2	F	η_p^2	F	η_p^2	F	η_p^2	F	η_p^2
Valence	0.00	<.001	399.30	.902	0.46	.005	6.03	.122	5.53	.060	40.20	.480	3.96	.083
Emotionality	20.67	.192	116.71	.728	93.67	.518	0.36	.008	0.31	.004	3.38	.072	0.76	.017
Arousal	2.45	.025	62.54	.590	0.47	.005	0.60	.014	0.06	.001	13.03	.230	0.35	.008
Young-Stereotype	10.00	.103	4.31	.090	9.02	.094	2.39	.052	10.03	.103	1.00	.022	6.81	.135
Old-Stereotype	35.14	.288	7.35	.145	8.90	.093	3.69	.078	3.11	.034	8.10	.157	19.78	.313
Self-Relevance	27.94	.243	146.12	.771	14.70	.145	10.45	.194	0.92	.010	1.39	.031	29.66	.405

Note. Effect sizes in bold were significant at $p < .05$. ^aDegrees of freedom were (1,87). ^bDegrees of freedom were (2,87).

Table F21
Analyses of Variance for Recallability of Positive, Negative, and Neutral Words in the Learning Phase, the 1-Hour and 1-Week Recall

	Learning Phase				1-Hour Recall				1-Week Recall			
	F	df	p	η_p^2	F	df	p	η_p^2	F	df	p	η_p^2
Age (A)	90.94	1 87	<.001	.511	157.81	1 87	<.001	.645	91.52	1 87	<.001	.513
Condition (C)	5.18	1 87	.025	.056	0.01	1 87	.903	<.001	0.01	1 87	.981	<.001
Valence (V)	0.97	2 87	.383	.022	1.42	2 87	.248	.032	1.93	2 87	.152	.042
A x C	7.41	1 87	.008	.079	2.03	1 87	.158	.023	13.94	1 87	<.001	.138
A x V	1.28	2 87	.283	.029	0.93	2 87	.397	.021	3.66	2 87	.030	.078
C x V	6.77	2 87	.002	.135	9.90	2 87	<.001	.185	8.03	2 87	.001	.156
A x C x V	5.94	2 87	.004	.120	2.20	2 87	.117	.048	2.39	2 87	.098	.052

Note. Effect sizes in bold were significant at $p < .05$.

Table F22

Follow-up Comparisons for Recallability of Positive, Negative, and Neutral Words in the Learning Phase, the 1-Hour and 1-Week Recall

	Negative vs. Neutral				Positive vs. Neutral				Negative vs. Positive			
	<i>F</i>	<i>df</i>	<i>p</i>	η_p^2	<i>F</i>	<i>df</i>	<i>p</i>	η_p^2	<i>F</i>	<i>df</i>	<i>p</i>	η_p^2
Learning Phase												
Age (A)	56.81	1 58	<.001	.495	64.63	1 58	<.001	.527	60.75	1 58	<.001	.512
Condition (C)	16.47	1 58	<.001	.221	0.44	1 58	.509	.008	0.85	1 58	.361	.014
Valence (V)	1.51	1 58	.224	.025	1.30	1 58	.260	.022	<0.01	1 58	.984	<.001
A x C	18.51	1 58	<.001	.242	3.36	1 58	.072	.055	0.60	1 58	.441	.010
A x V	1.79	1 58	.186	.030	0.03	1 58	.865	.001	2.39	1 58	.128	.039
C x V	0.06	1 58	.804	.001	9.02	1 58	.004	.135	10.86	1 58	.002	.158
A x C x V	0.61	1 58	.440	.010	13.67	1 58	<.001	.191	5.05	1 58	.028	.080
1-Hour Recall												
Age (A)	86.54	1 58	<.001	.599	90.56	1 58	<.001	.027	153.76	1 58	<.001	.726
Condition (C)	7.28	1 58	.009	.111	1.31	1 58	.256	.022	1.48	1 58	.229	.025
Valence (V)	1.71	1 58	.197	.029	2.31	1 58	.134	.038	0.09	1 58	.764	.002
A x C	5.82	1 58	.019	.091	0.02	1 58	.887	<.001	1.16	1 58	.287	.020
A x V	0.41	1 58	.523	.007	1.60	1 58	.211	.027	0.64	1 58	.427	.011
C x V	0.00	1 58	.967	<.001	13.28	1 58	.001	.186	16.37	1 58	<.001	.220
A x C x V	1.04	1 58	.313	.018	1.20	1 58	.278	.020	4.21	1 58	.045	.068
1-Week Recall												
Age (A)	36.35	1 58	<.001	.385	83.51	1 58	<.001	.590	71.02	1 58	<.001	.550
Condition (C)	6.96	1 58	.011	.107	0.54	1 58	.465	.009	1.80	1 58	.186	.030
Valence (V)	1.83	1 58	.181	.031	3.48	1 58	.067	.057	0.34	1 58	.561	.006
A x C	17.95	1 58	<.001	.236	3.23	1 58	.078	.053	10.37	1 58	.002	.152
A x V	0.01	1 58	.925	<.001	6.54	1 58	.013	.101	5.00	1 58	.029	.079
C x V	0.77	1 58	.383	.013	14.40	1 58	<.001	.199	7.32	1 58	.009	.112
A x C x V	2.48	1 58	.121	.041	0.41	1 58	.526	.007	4.28	1 58	.043	.069

Note. Effect sizes in bold were significant at $p < .05$.

Table F23

Mean Recallability by List Conditions, Age Group, Valence Category, and Retention Interval

Words	Means				Standard Deviations			
	Young Adults		Older Adults		Young Adults		Older Adults	
	Mixed	Pure	Mixed	Pure	Mixed	Pure	Mixed	Pure
<i>Learning</i>								
Negative	30.67	25.80	24.53	23.37	8.88	7.51	8.08	8.32
Positive	28.03	30.93	22.53	23.33	12.06	9.57	8.17	9.31
Neutral	29.27	23.93	20.47	20.47	10.27	10.59	9.32	9.79
<i>1-Hour Recall</i>								
Negative	20.23	16.97	12.83	12.77	6.01	6.91	7.41	5.64
Positive	17.67	21.27	11.57	14.17	8.04	7.49	6.70	7.40
Neutral	17.30	15.03	11.60	10.63	7.21	8.31	6.75	8.50
<i>1-Week Recall</i>								
Negative	14.87	11.00	8.10	10.20	6.56	7.13	4.71	6.16
Positive	14.07	16.03	6.90	10.17	6.90	7.92	5.76	5.80
Neutral	12.70	9.57	7.67	7.27	6.47	6.67	5.76	6.06

Note. Mixed = Heterogeneous List Condition. Pure = Homogeneous List Condition.

9.7 APPENDIX G: WORD CHARACTERISTICS IN THE EXPERIMENT

Table G1	<i>Overall Means (SD) in the Experiment</i>	A-71
Table G2	<i>Ratings of Valence in the Experiment by Age Group and Condition</i>	A-73
Table G3	<i>Ratings of Arousal in the Experiment by Age Group and Condition</i>	A-75
Table G4	<i>Ratings of Young-Stereotype in the Experiment by Age Group and Condition</i>	A-77
Table G5	<i>Ratings of Old-Stereotype in the Experiment by Age Group and Condition</i>	A-79
Table G6	<i>Ratings of Self-Relevance in the Experiment by Age Group and Condition</i>	A-81
Table G7	<i>Recallability of Negative Words by Age Group and List Condition</i>	A-83
Table G8	<i>Recallability of Neutral Words by Age Group and List Condition</i>	A-84
Table G9	<i>Recallability of Positive Words by Age Group and List Condition</i>	A-85

Table G1

Overall Means (SD) in the Experiment

	Means					Standard Deviations				
	V	A	Y	O	S	V	A	Y	O	S
Negative Words										
abhängig	2.34	4.82	4.09	4.02	2.93	1.18	1.44	1.54	1.71	1.62
ängstlich	2.49	5.18	3.65	4.33	2.83	1.13	1.68	1.45	1.52	1.53
arrogant	1.71	5.58	4.56	3.27	2.23	1.01	1.37	1.52	1.46	1.43
autoritär	2.50	5.68	3.19	4.59	2.97	1.26	1.36	1.35	1.45	1.57
brutal	1.29	6.49	4.04	2.04	1.51	0.72	0.98	1.61	1.36	0.95
deprimiert	2.19	5.31	3.76	4.13	2.64	1.08	1.50	1.46	1.51	1.59
egoistisch	1.61	5.44	4.94	3.95	3.00	0.90	1.42	1.32	1.69	1.59
einfalllos	2.05	4.42	3.07	3.69	2.56	1.10	1.77	1.47	1.35	1.53
enttäuscht	2.57	4.88	3.97	4.60	2.97	1.11	1.46	1.42	1.27	1.49
feige	1.96	5.06	3.39	2.85	2.34	1.01	1.59	1.42	1.34	1.36
feindselig	1.45	6.16	3.50	3.21	1.79	0.67	1.37	1.49	1.67	1.16
frustriert	2.36	5.44	3.96	4.31	2.94	1.11	1.33	1.36	1.34	1.47
gehemmt	2.46	4.65	3.50	3.25	2.85	0.98	1.61	1.38	1.26	1.48
geizig	1.81	5.49	3.28	4.13	2.41	0.94	1.42	1.45	1.57	1.60
gelangweilt	2.29	3.66	3.92	3.64	2.64	0.98	1.66	1.52	1.51	1.42
gereizt	2.15	5.98	4.36	4.08	3.09	0.89	1.05	1.48	1.57	1.57
hektisch	2.42	6.07	5.04	3.35	3.38	1.07	0.93	1.32	1.59	1.52
hilflos	2.39	4.21	3.37	4.42	2.34	1.23	1.80	1.62	1.61	1.36
krank	2.28	4.96	3.01	5.36	2.66	1.30	1.57	1.37	1.29	1.60
launisch	2.22	5.30	4.71	4.57	3.05	1.15	1.32	1.41	1.46	1.75
neidisch	1.82	5.84	4.48	3.44	2.41	0.96	1.25	1.44	1.47	1.49
nervös	2.41	5.46	3.84	3.81	3.31	1.11	1.36	1.37	1.69	1.48
stur	2.39	5.22	4.48	4.70	3.18	1.30	1.34	1.63	1.58	1.75
träge	2.41	3.45	3.36	4.10	3.20	1.01	1.90	1.50	1.52	1.59
traurig	2.88	4.17	3.28	4.38	3.07	1.25	1.68	1.32	1.45	1.56
überheblich	2.10	5.39	5.02	3.49	2.72	1.14	1.14	1.29	1.76	1.57
unnahbar	2.73	5.06	3.54	3.44	2.93	1.30	1.54	1.59	1.43	1.69
unruhig	2.48	5.55	4.75	4.10	3.16	0.87	1.23	1.34	1.46	1.40
verärgert	2.50	5.81	4.28	4.34	3.11	1.03	0.98	1.47	1.49	1.45
zornig	2.22	6.19	4.13	3.62	2.56	1.29	0.92	1.61	1.61	1.34
Neutral Words										
abwesend	2.89	3.52	3.52	4.20	2.77	1.15	1.62	1.43	1.42	1.50
albern	3.97	3.47	5.29	2.55	3.81	1.47	1.34	1.38	1.42	1.78
bescheiden	5.14	2.50	2.92	4.69	4.64	1.29	1.13	1.29	1.45	1.47
ehrgeizig	4.50	4.75	5.27	3.55	4.90	1.53	1.55	1.27	1.45	1.39
eigenwillig	3.43	5.12	5.36	4.98	4.70	1.46	1.22	1.05	1.34	1.41
empfindlich	3.63	4.64	4.49	4.95	4.42	1.19	1.53	1.36	1.36	1.48
energisch	4.34	4.90	4.91	4.23	4.57	1.40	1.56	1.11	1.19	1.20
erschöpft	2.83	3.63	3.40	4.94	3.17	0.93	1.75	1.44	1.39	1.53
erstaunt	4.65	4.16	4.30	4.17	4.17	0.91	1.52	1.21	1.20	1.30
genügsam	4.46	2.67	3.23	5.30	4.75	1.39	1.30	1.32	1.21	1.30
gesprächig	5.12	3.77	5.43	5.35	5.26	1.10	1.54	1.25	1.28	1.21
harmlos	4.32	2.34	3.65	4.87	4.04	1.25	1.16	1.15	1.31	1.79
ironisch	3.59	4.32	4.48	4.06	4.51	1.57	1.43	1.51	1.54	1.68
irritiert	2.96	4.86	4.16	3.92	2.95	1.03	1.17	1.36	1.43	1.32
listig	2.64	5.37	3.55	3.25	2.50	1.66	1.42	1.39	1.53	1.46

(table continued)

Table G1 (continued)

	Means					Standard Deviations				
	V	A	Y-S	O-S	S-R	V	A			
moralisch	4.01	3.86	3.06	5.14	4.19	1.62	1.45	1.44	1.28	1.52
naiv	2.92	3.62	4.01	3.10	2.72	1.29	1.39	1.60	1.49	1.48
resolut	4.20	4.83	4.28	4.25	4.07	1.46	1.34	1.26	1.33	1.40
scheu	3.54	4.03	2.83	3.57	2.87	1.09	1.64	1.14	1.43	1.61
schläfrig	2.99	2.95	3.42	4.81	3.23	1.17	1.76	1.56	1.42	1.56
schüchtern	3.28	3.55	3.17	3.50	3.10	1.07	1.45	1.37	1.33	1.58
skeptisch	3.50	4.67	4.58	5.04	4.04	1.27	1.07	1.44	1.25	1.54
still	4.03	2.44	2.93	4.06	3.64	1.24	1.30	1.27	1.40	1.75
überrascht	4.96	4.08	4.39	4.16	4.45	1.07	1.19	1.26	1.08	1.30
ungestüm	3.24	5.40	4.98	2.39	2.93	1.34	1.36	1.34	1.16	1.39
verlegen	3.50	3.99	3.51	3.03	3.17	1.17	1.37	1.56	1.23	1.44
verträumt	4.81	2.23	4.31	3.27	3.93	1.46	1.20	1.46	1.35	1.78
vorsichtig	4.51	3.95	3.39	5.41	4.35	1.20	1.56	1.50	1.18	1.49
wählerisch	3.88	4.32	5.18	4.89	4.47	1.18	1.21	1.34	1.39	1.38
zaghaft	3.50	3.26	3.16	4.06	3.46	1.22	1.60	1.35	1.40	1.63
Positive Words										
amüsiert	5.83	2.72	5.24	4.30	4.82	1.07	1.51	1.16	1.28	1.37
angeregt	5.21	4.12	5.07	3.89	4.85	1.09	1.72	1.16	1.07	1.20
aufmerksam	5.93	3.78	4.59	4.69	5.46	0.99	1.86	1.19	1.38	0.97
ausdauernd	5.87	4.07	4.45	3.80	4.96	0.94	1.53	1.54	1.56	1.33
begeistert	5.92	3.47	5.44	4.19	5.52	0.87	1.69	1.21	1.32	1.16
einfühlsam	6.21	2.47	3.89	4.87	5.44	0.90	1.31	1.33	1.16	1.20
entspannt	6.42	1.61	4.15	4.67	4.83	0.81	0.84	1.42	1.37	1.25
fröhlich	6.26	2.22	5.51	4.83	5.32	0.80	1.52	1.13	1.19	1.20
gebildet	6.06	2.86	4.30	5.26	5.00	1.01	1.40	1.42	1.10	1.19
geduldig	5.79	2.44	3.25	5.06	4.67	1.10	1.35	1.37	1.36	1.65
gemütlich	5.52	2.10	3.79	5.49	4.82	1.20	1.28	1.38	1.14	1.32
geschickt	5.77	3.11	5.12	4.06	5.12	1.04	1.56	1.18	1.41	1.14
gesellig	5.69	2.86	5.77	5.11	5.13	1.00	1.42	1.39	1.27	1.48
glücklich	6.39	2.19	4.95	4.26	5.23	0.90	1.49	1.26	1.11	1.33
gütig	6.14	1.92	3.36	5.43	4.98	1.00	1.16	1.23	1.08	1.25
heiter	6.22	2.41	5.24	4.57	5.27	0.96	1.31	1.27	1.27	1.15
höflich	5.73	2.54	3.64	5.22	5.93	1.03	1.33	1.36	1.31	1.01
intelligent	6.20	3.23	4.85	4.94	5.22	1.06	1.56	1.23	1.03	1.12
kraftvoll	5.87	4.50	5.23	3.27	4.51	1.05	1.73	1.20	1.18	1.29
kreativ	6.05	3.17	5.49	4.10	5.08	1.00	1.78	1.22	1.34	1.42
lebhaft	5.35	4.17	5.55	3.76	5.22	1.12	1.61	1.06	1.13	1.09
mitfühlend	5.56	3.11	3.95	5.70	5.50	1.26	1.46	1.41	1.05	1.25
sanft	5.85	1.50	3.60	4.73	5.07	1.00	0.85	1.42	1.25	1.35
sinnlich	5.83	2.44	4.68	3.59	5.08	1.13	1.64	1.56	1.62	1.41
tolerant	5.89	2.39	4.21	4.50	5.77	1.01	1.30	1.65	1.47	1.10
treu	6.32	2.15	3.66	5.61	5.98	0.89	1.41	1.43	1.08	1.08
umsichtig	5.27	2.97	3.76	5.01	5.28	1.25	1.38	1.32	1.30	1.16
vergnügt	6.24	2.63	5.51	4.57	4.98	0.95	1.34	1.11	1.17	1.22
weise	6.02	2.32	2.74	5.62	4.23	1.21	1.36	1.56	1.06	1.27
zärtlich	6.24	1.79	5.08	4.68	5.47	0.93	1.18	1.37	1.28	1.24

Note. V = Valence. A = Arousal. Y = Young-Stereotype. O = Old-Stereotype. S = Self-Relevance.

Table G2

Ratings of Valence in the Experiment by Age Group and Condition

	Means						Standard Deviations						Effect Sizes		
	Young Adults			Older Adults			Young Adults			Older Adults			A	L	AxL
	P	M	O	P	M	O	P	M	O	P	M	O			
Negative Words															
abhängig	2.43	2.05	2.24	2.47	2.43	2.45	1.32	1.05	1.20	1.17	1.17	1.16	.01	.01	.01
ängstlich	2.68	2.32	2.50	2.47	2.50	2.48	1.29	1.11	1.21	0.97	1.11	1.03	.00	.01	.01
arrogant	2.05	1.65	1.85	1.43	1.63	1.53	1.27	0.98	1.14	0.82	0.76	0.79	.03	.00	.02
autoritär	2.59	2.54	2.57	2.57	2.28	2.42	1.32	1.35	1.33	1.38	0.96	1.18	.00	.01	.00
brutal	1.51	1.32	1.42	1.17	1.10	1.13	0.99	0.78	0.89	0.46	0.31	0.39	.04*	.01	.00
deprimiert	2.27	2.11	2.19	2.17	2.21	2.19	1.24	0.91	1.08	1.05	1.15	1.09	.00	.00	.00
egoistisch	2.00	1.51	1.76	1.50	1.38	1.44	1.20	0.69	1.00	0.86	0.55	0.72	.03	.03	.01
einfalllos	2.30	2.14	2.22	1.77	1.94	1.85	1.27	0.92	1.10	0.94	1.22	1.08	.03	.00	.01
enttäuscht	2.81	2.30	2.55	2.70	2.50	2.60	1.15	1.05	1.12	1.06	1.14	1.09	.00	.03	.01
feige	2.24	1.95	2.09	1.93	1.67	1.80	1.26	0.94	1.11	0.94	0.76	0.86	.02	.02	.00
feindselig	1.58	1.46	1.52	1.33	1.39	1.36	0.81	0.69	0.75	0.61	0.50	0.55	.02	.00	.01
frustriert	2.41	2.19	2.30	2.63	2.23	2.43	1.19	0.88	1.04	1.03	1.30	1.18	.00	.02	.00
gehemmt	2.38	2.38	2.38	2.87	2.28	2.56	1.01	1.06	1.03	0.90	0.85	0.92	.01	.02	.02
geizig	2.05	1.86	1.96	1.80	1.47	1.63	0.91	0.92	0.91	1.21	0.57	0.96	.03*	.02	.00
gelangweilt	2.41	2.30	2.35	2.37	2.07	2.22	0.96	1.02	0.99	1.07	0.87	0.98	.01	.01	.00
gereizt	2.35	2.03	2.19	2.17	2.03	2.10	1.03	0.73	0.90	0.91	0.85	0.88	.00	.02	.00
hektisch	2.65	2.57	2.61	2.03	2.33	2.18	1.11	1.01	1.06	0.89	1.18	1.05	.04	.00	.01
hilflos	2.46	2.03	2.24	2.43	2.70	2.57	1.30	0.87	1.12	1.25	1.42	1.33	.02	.00	.02
krank	2.43	1.97	2.20	2.67	2.09	2.37	1.26	1.38	1.33	1.40	1.09	1.27	.01	.04*	.00
launisch	2.57	2.51	2.54	1.90	1.77	1.83	1.19	1.37	1.27	0.96	0.73	0.85	.09***	.00	.00
neidisch	2.30	1.70	2.00	1.63	1.57	1.60	1.22	0.78	1.06	0.89	0.68	0.79	.05*	.03*	.02
nervös	2.73	2.43	2.58	2.23	2.19	2.21	1.17	0.96	1.07	0.97	1.28	1.13	.03	.01	.00
stur	2.73	2.70	2.72	1.90	2.07	1.98	1.39	1.37	1.37	1.03	1.17	1.10	.08**	.00	.00
träge	2.78	2.41	2.59	2.30	2.07	2.18	0.98	0.93	0.96	1.06	1.01	1.03	.04*	.02	.00
traurig	2.73	2.68	2.70	3.03	3.13	3.08	1.35	1.18	1.26	1.19	1.26	1.22	.02	.00	.00
überheblich	2.70	2.22	2.46	1.67	1.63	1.65	1.24	1.23	1.25	0.80	0.81	0.80	.13***	.02	.01
unnahbar	2.92	3.24	3.08	2.40	2.22	2.31	1.23	1.53	1.39	1.19	0.87	1.03	.09***	.00	.01
unruhig	2.46	2.43	2.45	2.73	2.30	2.52	0.93	0.80	0.86	0.94	0.79	0.89	.00	.02	.01
verärgert	2.65	2.54	2.59	2.43	2.33	2.38	1.11	1.07	1.08	1.01	0.92	0.96	.01	.00	.00
zornig	2.39	2.22	2.31	2.33	1.91	2.11	1.57	1.35	1.46	1.18	0.89	1.06	.01	.01	.00
Neutral Words															
abwesend	3.16	3.00	3.08	2.97	2.31	2.66	1.21	1.25	1.22	1.00	0.93	1.01	.04*	.03*	.01
albern	4.50	4.46	4.48	3.22	3.53	3.37	1.23	1.57	1.41	1.31	1.31	1.31	.14***	.00	.00
bescheiden	4.76	4.95	4.85	5.41	5.57	5.48	1.21	1.31	1.26	1.41	1.07	1.25	.06**	.01	.00
ehrgeizig	4.24	4.94	4.59	4.53	4.27	4.40	1.66	1.43	1.58	1.27	1.68	1.48	.00	.00	.03
eigenwillig	3.32	3.76	3.54	3.66	2.93	3.31	1.45	1.66	1.56	1.21	1.36	1.33	.01	.00	.04*
empfindlich	3.78	3.65	3.71	3.56	3.50	3.53	1.31	1.23	1.26	1.05	1.17	1.10	.01	.00	.00
energisch	3.53	4.32	3.93	4.94	4.69	4.81	1.25	1.58	1.48	1.08	1.20	1.14	.11***	.01	.04*
erschöpft	3.08	2.81	2.95	2.63	2.77	2.69	0.89	0.91	0.90	1.01	0.90	0.95	.02	.00	.01
erstaunt	4.30	4.86	4.58	4.66	4.81	4.73	0.94	0.83	0.93	0.90	0.90	0.90	.01	.04*	.01
genügsam	4.32	4.30	4.31	4.66	4.63	4.65	1.29	1.51	1.39	1.41	1.38	1.38	.01	.00	.00
gesprächig	5.16	5.38	5.27	4.94	4.97	4.95	1.28	0.95	1.13	1.19	0.93	1.06	.02	.00	.00
harmlos	4.11	4.62	4.37	4.41	4.13	4.27	1.35	1.26	1.32	1.07	1.29	1.19	.00	.00	.03
ironisch	4.11	4.22	4.16	2.94	2.87	2.90	1.39	1.47	1.42	1.48	1.48	1.47	.16***	.00	.00
irritiert	3.19	3.05	3.12	2.88	2.69	2.78	1.05	0.97	1.01	0.91	1.15	1.03	.03	.01	.00
listig	3.24	2.97	3.11	2.41	1.81	2.11	1.62	1.91	1.76	1.50	1.18	1.37	.09***	.02	.00

(table continued)

Table G2 (continued)

	Means						Standard Deviations						Effect Sizes		
	Young Adults			Older Adults			Young Adults			Older Adults			A	L	AxL
	P	M	O	P	M	O	P	M	O	P	M	O			
moralisch	3.97	3.81	3.89	4.00	4.30	4.15	1.62	1.69	1.65	1.50	1.68	1.59	.01	.00	.01
naiv	2.92	2.78	2.85	3.19	2.81	3.00	1.59	1.35	1.47	1.00	1.09	1.05	.00	.01	.00
resolut	3.67	3.81	3.74	4.88	4.60	4.74	1.59	1.39	1.48	1.24	1.25	1.24	.12***	.00	.01
scheu	3.27	3.49	3.38	3.81	3.67	3.74	1.10	1.17	1.13	0.78	1.21	1.01	.03	.00	.01
schläfrig	3.30	2.97	3.14	2.81	2.80	2.81	1.24	1.28	1.26	1.12	0.96	1.04	.02	.01	.01
schüchtern	3.35	3.16	3.26	3.44	3.19	3.31	1.32	1.04	1.18	0.88	1.00	0.94	.00	.01	.00
skeptisch	3.38	3.44	3.41	3.78	3.43	3.61	1.38	1.46	1.41	1.04	1.14	1.09	.01	.00	.01
still	3.76	3.92	3.84	4.50	4.00	4.26	1.12	1.34	1.23	1.22	1.20	1.23	.03	.01	.02
überrascht	5.05	5.35	5.20	4.63	4.70	4.66	1.20	0.92	1.07	0.91	1.12	1.01	.06**	.01	.00
ungestüm	2.95	3.43	3.19	3.31	3.27	3.29	1.29	1.48	1.40	0.93	1.57	1.27	.00	.01	.01
verlegen	3.62	3.65	3.64	3.47	3.20	3.34	1.32	1.30	1.30	0.76	1.19	0.99	.02	.00	.00
verträumt	5.16	4.95	5.05	4.06	5.00	4.53	1.30	1.60	1.45	1.48	1.24	1.44	.03*	.02	.04*
vorsichtig	4.24	4.38	4.31	4.78	4.70	4.74	1.32	1.19	1.25	0.94	1.29	1.12	.03*	.00	.00
wählerisch	3.65	3.70	3.68	4.09	4.16	4.13	1.21	1.13	1.16	1.06	1.27	1.16	.04*	.00	.00
zaghaf	3.62	3.51	3.57	3.41	3.43	3.42	1.30	1.28	1.28	1.01	1.30	1.15	.00	.00	.00
Positive Words															
amüsiert	5.89	6.00	5.95	5.59	5.79	5.69	0.99	1.15	1.07	1.15	0.98	1.06	.01	.01	.00
angeregt	4.92	4.89	4.91	5.45	5.72	5.59	1.01	1.29	1.15	0.91	0.85	0.88	.10***	.00	.00
aufmerksam	5.69	6.14	5.92	5.97	5.91	5.93	0.92	0.86	0.91	0.98	1.17	1.08	.00	.01	.02
ausdauernd	5.49	5.95	5.72	6.10	6.03	6.07	1.04	0.81	0.96	0.98	0.81	0.89	.04	.01	.02
begeistert	5.78	5.89	5.84	5.89	6.13	6.02	0.82	1.02	0.92	0.92	0.63	0.78	.01	.01	.00
einfühlsam	6.16	6.35	6.26	6.03	6.27	6.15	0.99	0.75	0.88	1.02	0.83	0.93	.00	.01	.00
entspannt	6.14	6.54	6.34	6.52	6.53	6.52	1.03	0.69	0.90	0.69	0.67	0.67	.01	.02	.02
fröhlich	6.27	6.30	6.28	6.14	6.30	6.22	0.73	0.91	0.82	0.79	0.79	0.79	.00	.00	.00
gebildet	5.49	5.95	5.72	6.50	6.50	6.50	1.22	0.97	1.12	0.64	0.63	0.63	.15***	.02	.02
geduldig	5.49	5.81	5.65	6.00	5.94	5.97	1.24	1.02	1.14	0.93	1.15	1.04	.02	.00	.01
gemütlich	5.57	5.32	5.45	5.55	5.67	5.61	1.21	1.18	1.20	1.15	1.30	1.22	.01	.00	.01
geschickt	5.27	6.00	5.64	5.97	5.93	5.95	1.15	0.85	1.07	1.02	0.98	0.99	.02	.03*	.04*
gesellig	5.46	5.59	5.53	5.82	5.97	5.90	1.07	1.09	1.08	0.86	0.89	0.87	.03*	.01	.00
glücklich	6.39	6.35	6.37	6.17	6.63	6.41	0.69	1.06	0.89	1.14	0.61	0.92	.00	.01	.02
gütig	5.73	6.00	5.86	6.34	6.60	6.47	1.15	1.05	1.10	0.81	0.62	0.73	.09	.02	.00
heiter	6.08	5.89	5.99	6.45	6.57	6.51	0.83	1.35	1.12	0.63	0.57	0.60	.07**	.00	.01
höflich	5.49	5.68	5.58	5.82	6.00	5.91	1.19	0.97	1.09	1.09	0.76	0.93	.03	.01	.00
intelligent	5.86	6.03	5.95	6.38	6.68	6.53	1.42	0.99	1.22	0.82	0.48	0.68	.08**	.01	.00
kraftvoll	5.59	6.08	5.84	5.76	6.03	5.90	0.96	1.09	1.05	1.06	1.06	1.06	.00	.03*	.00
kreativ	5.73	6.08	5.91	6.14	6.33	6.24	1.22	1.01	1.12	0.92	0.66	0.80	.03	.02	.00
lebhaft	5.32	5.59	5.46	5.31	5.13	5.21	1.25	1.12	1.18	0.97	1.10	1.03	.01	.00	.01
mitfühlend	5.30	5.54	5.42	5.90	5.60	5.75	1.45	1.30	1.37	0.94	1.19	1.08	.02	.00	.01
sanft	5.86	6.00	5.93	5.83	5.69	5.75	0.98	1.15	1.06	1.04	0.78	0.91	.01	.00	.01
sinnlich	5.92	6.32	6.12	5.45	5.50	5.47	1.06	0.75	0.94	1.15	1.36	1.25	.08***	.01	.01
tolerant	5.54	6.03	5.78	6.07	6.00	6.03	1.04	0.93	1.01	0.86	1.11	0.99	.02	.01	.02
treu	6.14	6.35	6.24	6.24	6.57	6.41	0.92	0.89	0.90	1.06	0.63	0.87	.01	.02	.00
umsichtig	4.78	5.27	5.03	5.48	5.66	5.57	1.40	1.35	1.38	1.12	0.90	1.01	.05*	.02	.00
vergnügt	6.08	6.32	6.20	6.17	6.38	6.28	0.98	1.06	1.02	0.97	0.75	0.86	.00	.01	.00
weise	5.86	5.78	5.82	6.14	6.41	6.28	1.51	1.23	1.37	1.13	0.68	0.93	.04*	.00	.01
zärtlich	6.03	6.28	6.15	6.24	6.47	6.36	1.12	1.03	1.08	0.79	0.57	0.69	.01	.02	.00

Note. Effect sizes were partial eta-squareds (η_p^2). P = Pure, emotion-homogeneous list condition. M = mixed, emotion-heterogeneous list condition. O = Overall.

* $p < .05$. ** $p < .01$. *** $p < .001$.

Table G3

Ratings of Arousal in the Experiment by Age Group and Condition

	Means						Standard Deviations						Effect Sizes		
	Young Adults			Older Adults			Young Adults			Older Adults			A	L	AxL
	P	M	O	P	M	O	P	M	O	P	M	O			
Negative Words															
abhängig	5.03	5.06	5.04	4.80	4.14	4.46	1.08	1.67	1.38	1.77	1.11	1.48	.04*	.01	.01
ängstlich	5.33	5.24	5.29	5.05	4.89	4.97	1.53	1.85	1.68	1.54	1.88	1.69	.01	.00	.00
arrogant	5.42	5.42	5.42	5.75	5.95	5.85	1.25	1.44	1.33	1.71	1.05	1.41	.02	.00	.00
autoritär	5.53	6.00	5.75	5.45	5.68	5.57	1.23	1.18	1.22	1.76	1.39	1.56	.01	.02	.00
brutal	6.39	6.23	6.31	6.85	6.71	6.78	0.84	1.41	1.13	0.37	0.72	0.57	.06*	.01	.00
deprimiert	5.31	5.52	5.41	4.70	5.60	5.15	1.26	1.33	1.29	1.92	1.64	1.82	.01	.03	.01
egoistisch	5.42	5.45	5.43	5.30	5.59	5.45	1.18	1.39	1.27	1.92	1.37	1.64	.00	.00	.00
einfalllos	4.92	4.52	4.73	3.50	4.32	3.93	1.36	1.84	1.60	2.09	1.70	1.92	.05*	.00	.03
enttäuscht	4.89	5.12	5.00	4.20	5.15	4.68	1.06	1.56	1.32	1.54	1.73	1.69	.01	.04*	.01
feige	4.89	5.06	4.97	5.20	5.20	5.20	1.37	1.62	1.48	1.77	1.79	1.76	.01	.00	.00
feindselig	6.11	6.10	6.10	6.20	6.30	6.25	1.12	1.47	1.28	1.85	1.17	1.53	.00	.00	.00
frustriert	5.36	5.35	5.36	5.50	5.65	5.58	1.40	1.25	1.32	1.36	1.35	1.34	.01	.00	.00
gehemmt	4.86	4.81	4.84	4.60	4.14	4.36	1.36	1.70	1.51	1.54	1.91	1.74	.02	.01	.00
geizig	5.22	5.58	5.39	5.55	5.76	5.66	1.42	1.36	1.39	1.61	1.37	1.48	.01	.01	.00
gelangweilt	3.78	3.52	3.66	3.50	3.81	3.66	1.44	1.55	1.48	2.01	1.91	1.94	.00	.00	.01
gereizt	5.83	6.06	5.94	6.30	5.80	6.05	0.91	1.14	1.03	0.86	1.28	1.11	.00	.00	.03
hektisch	5.97	6.06	6.01	6.10	6.20	6.15	0.94	0.93	0.93	0.97	0.95	0.95	.01	.00	.00
hilflos	4.56	4.70	4.62	3.60	3.52	3.56	1.48	1.64	1.55	1.79	2.20	1.99	.08**	.00	.00
krank	4.94	5.23	5.07	4.75	4.81	4.78	1.45	1.59	1.51	1.41	1.91	1.67	.01	.00	.00
launisch	5.36	5.39	5.37	5.25	5.10	5.17	1.15	1.26	1.19	1.52	1.55	1.51	.01	.00	.00
neidisch	5.89	5.82	5.86	5.84	5.80	5.82	0.89	1.33	1.12	1.46	1.54	1.48	.00	.00	.00
nervös	5.44	5.45	5.45	5.45	5.50	5.48	1.40	1.36	1.37	1.50	1.22	1.35	.00	.00	.00
stur	5.17	5.10	5.13	5.45	5.30	5.38	1.25	1.33	1.28	1.54	1.38	1.44	.01	.00	.00
träge	3.33	3.24	3.29	3.25	4.20	3.73	1.80	1.75	1.77	2.24	1.91	2.11	.01	.01	.02
traurig	4.03	4.52	4.25	3.65	4.36	4.02	1.56	1.59	1.58	1.87	1.79	1.84	.01	.03	.00
überheblich	5.28	5.06	5.18	6.00	5.48	5.73	0.88	1.31	1.10	0.97	1.25	1.14	.06*	.03	.01
unnahbar	5.17	4.65	4.93	4.95	5.55	5.26	1.11	1.82	1.49	1.99	1.18	1.62	.01	.00	.03
unruhig	5.47	5.88	5.67	5.50	5.20	5.35	1.03	1.17	1.11	1.54	1.28	1.41	.02	.00	.02
verärgert	5.72	5.70	5.71	6.05	5.90	5.98	0.85	1.13	0.99	0.76	1.12	0.95	.02	.00	.00
zornig	6.09	6.13	6.11	6.20	6.41	6.31	0.98	0.92	0.95	1.01	0.73	0.87	.01	.01	.00
Neutral Words															
abwesend	3.61	3.42	3.52	3.41	3.65	3.52	1.54	1.58	1.55	1.76	1.76	1.74	.00	.00	.00
albern	3.42	3.55	3.48	3.45	3.45	3.45	1.46	1.31	1.39	1.53	1.00	1.29	.00	.00	.00
bescheiden	2.81	2.52	2.67	2.23	2.24	2.23	1.06	1.15	1.11	1.02	1.26	1.13	.04	.00	.00
ehrgeizig	4.64	4.97	4.79	4.55	4.81	4.67	1.59	1.30	1.46	1.82	1.60	1.70	.00	.01	.00
eigenwillig	4.86	4.97	4.91	5.27	5.65	5.45	0.99	1.28	1.12	1.35	1.27	1.31	.05*	.01	.00
empfindlich	4.61	4.55	4.58	4.55	4.90	4.72	1.66	1.39	1.53	1.57	1.55	1.55	.00	.00	.01
energisch	5.03	4.97	5.00	4.18	5.32	4.75	1.16	1.54	1.34	1.82	1.76	1.86	.01	.03	.04*
erschöpft	3.56	3.18	3.38	3.86	4.25	4.05	1.58	1.76	1.66	1.88	1.77	1.82	.04*	.00	.01
erstaunt	4.33	4.10	4.22	3.82	4.32	4.07	1.24	1.58	1.40	1.68	1.70	1.69	.00	.00	.02
genügsam	2.97	2.55	2.77	2.73	2.25	2.50	1.34	1.30	1.33	1.28	1.21	1.25	.01	.03	.00
gesprächig	3.25	4.16	3.67	3.95	3.86	3.91	1.40	1.49	1.50	1.56	1.67	1.60	.00	.02	.03
harmlos	2.42	2.26	2.34	2.50	2.18	2.34	1.16	1.34	1.24	1.10	0.96	1.03	.00	.01	.00
ironisch	3.86	4.09	3.97	4.45	5.40	4.90	1.31	1.42	1.36	1.47	1.10	1.38	.11***	.04*	.02
irritiert	4.75	5.06	4.90	4.62	5.00	4.81	1.02	1.18	1.10	0.74	1.63	1.28	.00	.02	.00
listig	4.78	5.32	5.03	5.73	6.05	5.89	1.62	1.28	1.49	0.98	1.29	1.15	.09	.03	.00

(table continued)

Table G3 (continued)

	Means						Standard Deviations						Effect Sizes		
	Young Adults			Older Adults			Young Adults			Older Adults			A	L	AxL
	P	M	O	P	M	O	P	M	O	P	M	O			
moralisch	3.83	4.23	4.01	3.64	3.62	3.63	1.38	1.38	1.39	1.68	1.40	1.53	.02	.00	.01
naiv	3.75	3.93	3.83	3.59	3.00	3.30	1.42	1.48	1.44	1.33	1.11	1.25	.04*	.01	.02
resolut	4.61	4.88	4.74	4.59	5.40	4.98	1.18	1.18	1.18	1.59	1.47	1.57	.01	.04*	.01
scheu	4.43	4.39	4.41	3.41	3.48	3.44	1.63	1.76	1.68	1.44	1.36	1.39	.08**	.00	.00
schläfrig	3.06	2.85	2.96	3.09	2.75	2.93	1.76	1.66	1.70	2.09	1.65	1.88	.00	.01	.00
schüchtern	3.78	3.45	3.63	3.43	3.41	3.42	1.38	1.34	1.36	1.69	1.53	1.59	.00	.00	.00
skeptisch	4.64	4.74	4.69	4.55	4.76	4.65	1.17	0.93	1.06	1.26	0.89	1.09	.00	.01	.00
still	2.53	2.61	2.57	2.36	2.10	2.24	1.23	1.46	1.33	1.40	1.02	1.23	.02	.00	.00
überrascht	3.94	3.97	3.96	4.36	4.20	4.29	1.03	1.21	1.11	1.18	1.44	1.29	.02	.00	.00
ungestüm	5.42	5.09	5.26	5.36	5.90	5.62	1.05	1.53	1.30	1.59	1.21	1.43	.02	.00	.02
verlegen	4.11	4.13	4.12	4.05	3.52	3.79	1.43	1.23	1.33	1.46	1.36	1.42	.02	.01	.01
verträumt	2.42	2.13	2.28	2.23	2.05	2.14	1.34	1.12	1.24	1.23	1.05	1.13	.00	.01	.00
vorsichtig	4.00	4.09	4.04	3.82	3.75	3.79	1.51	1.51	1.50	1.71	1.62	1.65	.01	.00	.00
wählerisch	4.47	4.26	4.37	4.09	4.36	4.23	0.91	1.39	1.15	1.57	1.00	1.31	.00	.00	.01
zaghaft	3.23	3.53	3.37	3.55	2.62	3.09	1.42	1.61	1.51	1.77	1.60	1.73	.01	.01	.04
Positive Words															
amüsiert	2.77	2.23	2.52	3.29	2.81	3.05	1.37	1.38	1.39	1.55	1.72	1.64	.03	.03	.00
angeregt	4.80	4.23	4.53	3.57	3.41	3.49	1.23	1.61	1.44	1.96	1.94	1.93	.09**	.01	.00
aufmerksam	3.80	3.84	3.82	3.29	4.14	3.72	1.66	1.86	1.74	1.55	2.40	2.05	.00	.01	.01
ausdauernd	4.26	3.91	4.09	3.76	4.35	4.05	1.34	1.59	1.46	1.48	1.81	1.66	.00	.00	.02
begeistert	3.66	3.33	3.51	3.15	3.67	3.41	1.61	1.52	1.56	1.84	1.93	1.88	.00	.00	.02
einfühlsam	2.51	2.48	2.50	2.81	2.05	2.43	1.29	1.18	1.23	1.63	1.16	1.45	.00	.02	.02
entspannt	1.57	1.77	1.67	1.52	1.50	1.51	0.74	1.02	0.88	0.81	0.74	0.77	.01	.00	.00
fröhlich	2.20	2.24	2.22	2.48	1.95	2.22	1.37	1.52	1.43	1.86	1.47	1.68	.00	.01	.01
gebildet	2.66	2.61	2.64	3.10	3.33	3.21	1.26	1.09	1.17	1.61	1.74	1.66	.04*	.00	.00
geduldig	2.37	2.87	2.60	2.38	2.00	2.19	1.17	1.63	1.41	1.02	1.38	1.22	.03	.00	.03
gemütlich	2.09	2.18	2.13	2.05	2.05	2.05	1.17	1.49	1.33	1.07	1.36	1.20	.00	.00	.00
geschickt	2.97	3.27	3.12	2.90	3.30	3.10	1.50	1.61	1.55	1.48	1.72	1.59	.00	.01	.00
gesellig	2.89	2.97	2.92	2.81	2.71	2.76	1.45	1.45	1.44	1.21	1.62	1.41	.00	.00	.00
glücklich	2.26	2.43	2.34	2.19	1.77	1.98	1.22	1.79	1.50	1.54	1.41	1.47	.01	.00	.01
gütig	1.91	2.15	2.03	1.71	1.75	1.73	1.04	1.42	1.23	0.96	1.07	1.00	.02	.00	.00
heiter	2.71	2.52	2.62	2.24	1.90	2.07	1.18	1.54	1.36	1.37	0.91	1.17	.04*	.01	.00
höflich	2.80	2.81	2.80	2.29	1.95	2.12	1.28	1.45	1.35	1.23	1.16	1.19	.06**	.00	.00
intelligent	3.18	3.13	3.15	3.19	3.52	3.36	1.36	1.43	1.38	1.66	1.99	1.82	.00	.00	.00
kraftvoll	4.54	4.68	4.61	3.81	4.82	4.33	1.70	1.38	1.55	1.75	2.11	1.98	.01	.03	.02
kreativ	3.11	2.64	2.88	3.76	3.50	3.63	1.45	1.56	1.51	2.17	2.04	2.08	.04*	.01	.00
lebhaft	4.06	4.03	4.05	4.43	4.29	4.36	1.53	1.70	1.60	1.63	1.65	1.62	.01	.00	.00
mitfühlend	2.91	3.61	3.25	2.86	2.90	2.88	1.22	1.68	1.49	1.39	1.41	1.38	.02	.02	.01
sanft	1.40	1.58	1.48	1.57	1.50	1.53	0.74	0.92	0.83	0.87	0.91	0.88	.00	.00	.01
sinnlich	2.03	2.06	2.05	2.95	3.19	3.07	1.38	1.15	1.27	1.88	2.06	1.96	.09***	.00	.000
tolerant	2.46	2.76	2.60	1.90	2.15	2.02	1.17	1.62	1.41	0.89	1.14	1.01	.05*	.01	.00
treu	2.14	2.19	2.17	2.55	1.71	2.12	1.38	1.51	1.43	1.64	1.01	1.40	.00	.02	.02
umsichtig	2.97	2.83	2.91	2.95	3.18	3.07	1.42	1.26	1.34	1.32	1.59	1.45	.00	.00	.00
vergnügt	2.71	2.81	2.76	2.57	2.32	2.44	1.13	1.49	1.30	1.40	1.43	1.40	.01	.00	.00
weise	2.43	2.35	2.39	2.25	2.14	2.20	1.48	1.31	1.39	1.29	1.39	1.33	.00	.00	.00
zärtlich	1.77	1.70	1.74	1.76	2.00	1.88	1.29	0.88	1.10	1.14	1.49	1.31	.00	.00	.00

Note. Effect sizes were partial eta-squareds (η_p^2). P = Pure. emotion-homogeneous list condition. M = mixed. emotion-heterogeneous list condition. O = Overall.

* $p < .05$. ** $p < .01$. *** $p < .001$.150

Table G4

Ratings of Young-Stereotype in the Experiment by Age Group and Condition

	Means						Standard Deviations						Effect Sizes		
	Young Adults			Older Adults			Young Adults			Older Adults			A	L	AxL
	P	M	O	P	M	O	P	M	O	P	M	O			
Negative Words															
abhängig	4.31	3.90	4.12	4.25	3.85	4.05	1.62	1.45	1.54	1.62	1.50	1.55	.00	.02	.00
ängstlich	4.06	3.79	3.93	3.00	3.33	3.16	1.55	1.45	1.50	1.17	1.28	1.22	.06**	.00	.01
arrogant	4.53	4.70	4.61	4.50	4.44	4.47	1.18	1.61	1.40	1.57	1.98	1.75	.00	.00	.00
autoritär	2.94	2.84	2.90	3.50	3.81	3.66	1.22	1.21	1.21	1.50	1.44	1.46	.08**	.00	.01
brutal	3.92	3.29	3.63	4.70	4.75	4.73	1.44	1.66	1.57	1.42	1.52	1.45	.12***	.01	.01
deprimiert	3.75	3.88	3.81	3.50	3.83	3.66	1.32	1.54	1.42	1.28	1.82	1.55	.00	.01	.00
egoistisch	4.57	4.81	4.68	5.00	5.71	5.37	1.40	1.38	1.38	1.30	0.72	1.09	.06**	.03	.01
einfalllos	3.36	3.16	3.27	2.65	2.86	2.76	1.46	1.53	1.48	1.53	1.31	1.41	.03	.00	.01
enttäuscht	4.06	4.24	4.14	3.55	3.78	3.66	1.45	1.41	1.43	1.39	1.35	1.36	.03	.01	.00
feige	3.77	3.13	3.46	3.10	3.44	3.26	1.48	1.36	1.45	1.25	1.50	1.37	.00	.00	.03
feindselig	3.20	3.42	3.30	3.60	4.00	3.80	1.39	1.50	1.44	1.31	1.73	1.54	.03	.01	.00
frustriert	3.80	3.84	3.82	3.90	4.50	4.20	1.47	1.16	1.32	1.62	1.10	1.40	.02	.01	.01
gehemmt	3.46	3.50	3.48	3.45	3.62	3.54	1.27	1.20	1.23	1.50	1.75	1.61	.00	.00	.00
geizig	3.50	3.23	3.37	2.89	3.35	3.13	1.52	1.41	1.47	1.33	1.50	1.42	.01	.00	.02
gelangweilt	3.69	4.16	3.91	3.85	4.00	3.93	1.66	1.37	1.54	1.63	1.41	1.51	.00	.01	.00
gereizt	4.31	4.18	4.25	4.70	4.44	4.58	1.19	1.65	1.42	1.53	1.69	1.59	.01	.00	.00
hektisch	5.06	4.58	4.84	5.40	5.35	5.38	1.26	1.54	1.41	1.05	1.18	1.10	.04*	.01	.01
hilflos	4.03	3.23	3.66	3.10	2.70	2.90	1.61	1.36	1.54	1.59	1.72	1.65	.05*	.04	.00
krank	3.17	2.97	3.07	2.90	2.90	2.90	1.30	1.35	1.32	1.33	1.61	1.46	.00	.00	.00
launisch	4.74	4.45	4.61	4.70	5.05	4.88	1.29	1.50	1.39	1.53	1.36	1.44	.01	.00	.01
neidisch	4.66	4.61	4.63	4.00	4.44	4.21	1.55	1.54	1.53	1.21	1.25	1.23	.02	.00	.01
nervös	4.17	3.77	3.98	3.55	3.65	3.60	1.34	1.20	1.28	1.61	1.39	1.48	.02	.00	.01
stur	4.80	4.48	4.65	4.00	4.40	4.20	1.57	1.57	1.56	1.62	1.85	1.73	.02	.00	.01
träge	3.26	3.56	3.40	2.85	3.76	3.27	1.48	1.34	1.41	1.57	1.68	1.66	.00	.04*	.01
traurig	3.69	3.52	3.61	2.75	2.76	2.76	1.39	1.31	1.35	0.97	1.22	1.09	.10***	.00	.00
überheblich	5.06	4.77	4.92	4.90	5.45	5.18	1.35	1.28	1.32	1.41	1.05	1.26	.01	.00	.03
unnahbar	4.00	3.39	3.72	3.20	3.30	3.25	1.62	1.48	1.57	1.54	1.66	1.58	.02	.01	.01
unruhig	4.42	4.85	4.62	5.00	5.00	5.00	1.36	1.28	1.33	1.45	1.27	1.35	.02	.01	.01
verärgert	4.11	3.94	4.03	4.55	4.94	4.74	1.37	1.39	1.37	1.73	1.30	1.54	.06*	.00	.01
zornig	4.11	3.58	3.87	4.45	4.67	4.56	1.60	1.43	1.54	1.73	1.59	1.64	.05*	.00	.01
Neutral Words															
abwesend	3.75	3.42	3.59	3.23	3.59	3.38	1.40	1.44	1.42	1.45	1.50	1.46	.00	.00	.01
albern	5.28	5.45	5.36	4.95	5.45	5.19	1.03	1.15	1.08	1.79	1.76	1.77	.00	.01	.00
bescheiden	3.17	3.16	3.16	2.64	2.40	2.52	1.32	1.07	1.20	1.29	1.43	1.35	.06*	.00	.00
ehrgeizig	5.39	5.13	5.27	5.18	5.35	5.26	1.05	1.34	1.19	1.47	1.35	1.40	.00	.00	.01
eigenwillig	4.97	5.47	5.20	5.55	5.65	5.60	1.27	0.86	1.12	0.96	0.81	0.89	.03	.02	.01
empfindlich	4.37	4.42	4.39	4.73	4.55	4.64	1.31	1.46	1.37	0.98	1.67	1.34	.01	.00	.00
energisch	4.89	4.87	4.88	5.23	4.67	4.95	1.02	1.02	1.02	1.31	1.15	1.25	.00	.02	.02
erschöpft	3.65	3.42	3.54	3.10	3.22	3.15	1.41	1.20	1.31	1.64	1.66	1.63	.02	.00	.00
erstaunt	4.43	4.32	4.38	3.86	4.50	4.17	1.31	1.14	1.22	1.24	1.10	1.20	.01	.01	.02
genügsam	3.44	3.36	3.41	3.05	2.78	2.93	1.25	1.29	1.26	1.33	1.48	1.38	.03	.00	.00
gesprächig	5.69	5.48	5.60	5.18	5.14	5.16	0.89	1.26	1.07	1.47	1.49	1.46	.03	.00	.00
harmlos	3.80	3.74	3.77	3.59	3.33	3.47	1.21	1.12	1.16	1.01	1.24	1.12	.02	.01	.00
ironisch	4.53	4.82	4.67	3.91	4.44	4.15	1.36	1.24	1.30	1.82	1.76	1.79	.03	.02	.00
irritiert	4.42	4.48	4.45	3.48	3.90	3.69	1.36	1.21	1.28	1.25	1.48	1.37	.08**	.01	.01
listig	3.58	3.65	3.61	3.68	3.19	3.44	1.42	1.45	1.42	1.21	1.47	1.35	.00	.01	.01

(table continued)

Table G4 (continued)

	Means						Standard Deviations						Effect Sizes		
	Young Adults			Older Adults			Young Adults			Older Adults			A	L	AxL
	P	M	O	P	M	O	P	M	O	P	M	O			
moralisch	3.23	3.19	3.21	2.86	2.75	2.81	1.40	1.66	1.51	1.25	1.37	1.29	.02	.00	.00
naiv	3.83	4.29	4.05	3.82	4.10	3.95	1.46	1.47	1.47	1.87	1.76	1.80	.00	.01	.00
resolut	3.78	3.79	3.78	5.09	5.22	5.15	0.87	1.11	0.98	1.41	0.94	1.21	.28***	.00	.00
scheu	2.97	2.90	2.94	2.55	2.75	2.64	1.34	0.94	1.17	1.06	1.12	1.08	.02	.00	.00
schläfrig	3.69	3.73	3.71	2.45	3.50	2.93	1.43	1.40	1.40	1.50	1.79	1.70	.05*	.03	.03
schüchtern	3.42	3.20	3.32	2.95	2.90	2.93	1.36	1.27	1.31	1.46	1.45	1.44	.02	.00	.00
skeptisch	4.33	4.94	4.61	4.55	4.50	4.52	1.43	1.31	1.40	1.60	1.47	1.52	.00	.01	.01
still	3.19	2.73	2.97	2.73	3.00	2.85	1.43	0.91	1.22	1.24	1.50	1.35	.00	.00	.02
überrascht	4.36	4.27	4.32	4.55	4.44	4.50	1.10	1.21	1.14	1.65	1.20	1.45	.01	.00	.00
ungestüm	4.41	4.88	4.64	5.50	5.61	5.55	1.28	1.34	1.32	1.26	1.09	1.18	.11***	.01	.01
verlegen	3.81	3.77	3.79	3.23	2.90	3.07	1.45	1.56	1.49	1.34	1.83	1.58	.05*	.00	.00
verträumt	4.37	4.42	4.39	3.91	4.48	4.19	1.44	1.36	1.39	1.69	1.40	1.56	.01	.01	.01
vorsichtig	3.78	3.48	3.64	3.14	2.71	2.95	1.53	1.42	1.47	1.73	1.05	1.47	.05*	.01	.00
wählerisch	5.28	5.10	5.19	5.23	5.10	5.16	1.28	1.19	1.23	1.51	1.55	1.51	.00	.00	.00
zaghaft	3.69	3.16	3.44	2.82	2.60	2.71	1.47	1.19	1.36	1.33	1.14	1.24	.07**	.02	.00
Positive Words															
amüsiert	5.46	5.23	5.35	5.29	4.85	5.07	0.98	1.02	1.00	1.31	1.42	1.37	.01	.02	.00
angeregt	5.06	5.00	5.03	5.24	5.05	5.14	0.91	1.10	0.99	1.48	1.32	1.39	.00	.00	.00
aufmerksam	4.76	4.58	4.67	4.71	4.24	4.48	0.79	1.20	1.01	1.35	1.48	1.42	.01	.02	.00
ausdauernd	4.63	4.48	4.56	4.29	4.22	4.26	1.65	1.30	1.48	1.55	1.80	1.65	.01	.00	.00
begeistert	5.40	5.26	5.33	5.52	5.70	5.61	1.12	0.89	1.01	1.60	1.38	1.48	.01	.00	.00
einfühlsam	4.31	3.94	4.14	3.86	3.10	3.49	1.28	1.12	1.21	1.01	1.71	1.43	.06*	.05*	.01
entspannt	4.34	4.19	4.27	3.95	3.95	3.95	1.30	1.17	1.23	1.88	1.47	1.67	.01	.00	.00
fröhlich	5.66	5.33	5.50	5.62	5.41	5.53	0.84	1.19	1.03	1.47	1.12	1.31	.00	.01	.00
gebildet	4.31	4.53	4.42	4.29	3.95	4.12	1.59	1.20	1.41	1.55	1.32	1.44	.01	.00	.01
geduldig	3.91	3.35	3.65	2.86	2.38	2.62	1.48	1.11	1.34	1.20	1.12	1.17	.14***	.04*	.00
gemütlich	4.17	3.94	4.06	3.05	3.67	3.33	1.42	1.32	1.37	1.43	1.03	1.28	.06*	.01	.02
geschickt	5.29	5.15	5.22	5.05	4.83	4.95	1.00	1.06	1.03	1.24	1.58	1.39	.01	.01	.00
gesellig	5.88	5.84	5.86	5.00	6.26	5.62	1.09	1.00	1.04	2.22	0.99	1.83	.01	.05*	.05*
glücklich	5.41	4.65	5.05	5.00	4.62	4.81	1.10	1.17	1.19	1.45	1.28	1.37	.01	.05*	.01
gütig	3.54	3.48	3.51	3.14	3.00	3.08	1.24	1.00	1.13	1.15	1.61	1.36	.03	.00	.00
heiter	5.49	5.21	5.35	5.05	5.06	5.05	0.89	1.36	1.14	1.47	1.51	1.47	.01	.00	.00
höflich	4.11	3.90	4.02	3.10	3.00	3.05	1.45	1.11	1.29	1.04	1.49	1.26	.12***	.00	.00
intelligent	5.03	4.74	4.89	4.90	4.65	4.78	1.14	1.41	1.28	1.14	1.18	1.15	.00	.01	.00
kraftvoll	5.21	4.97	5.09	5.48	5.43	5.45	1.01	1.28	1.14	1.50	1.03	1.27	.02	.00	.00
kreativ	5.74	5.42	5.58	5.43	5.22	5.33	0.96	1.44	1.22	1.21	1.26	1.22	.01	.01	.00
lebhaft	5.71	5.29	5.51	5.76	5.48	5.62	0.80	1.22	1.03	1.26	0.93	1.10	.00	.03	.00
mitfühlend	4.43	4.38	4.40	3.38	2.94	3.18	1.27	1.21	1.23	1.24	1.51	1.37	.18***	.01	.01
sanft	4.09	3.87	3.98	3.25	2.71	2.98	1.34	1.38	1.35	1.21	1.38	1.31	.12***	.02	.00
sinnlich	4.66	4.19	4.44	5.00	5.15	5.07	1.41	1.60	1.51	1.70	1.46	1.57	.04*	.00	.01
tolerant	4.60	4.73	4.66	3.52	3.33	3.44	1.52	1.33	1.42	1.78	1.78	1.76	.13***	.00	.00
treu	3.83	3.97	3.89	3.29	3.30	3.29	1.29	1.40	1.34	1.45	1.59	1.50	.04*	.00	.00
umsichtig	4.20	3.55	3.89	3.75	3.33	3.54	1.30	1.03	1.22	1.68	1.20	1.45	.02	.04*	.00
vergnügt	5.74	5.13	5.45	5.71	5.52	5.62	0.75	0.92	0.88	1.31	1.50	1.40	.01	.03	.01
weise	3.11	2.77	2.95	2.24	2.55	2.39	1.41	1.31	1.36	1.70	1.93	1.80	.03	.00	.01
zärtlich	5.43	4.69	5.07	5.19	5.00	5.10	1.20	1.33	1.31	1.36	1.64	1.48	.00	.03	.01

Note. Effect sizes were partial eta-squareds (η_p^2). P = Pure. emotion-homogeneous list condition. M = mixed. emotion-heterogeneous list condition. O = Overall.

* $p < .05$. ** $p < .01$. *** $p < .001$.

Table G5

Ratings of Old-Stereotype in the Experiment by Age Group and Condition

	Means						Standard Deviations						Effect Sizes		
	Young Adults			Older Adults			Young Adults			Older Adults			A	L	AxL
	P	M	O	P	M	O	P	M	O	P	M	O			
Negative Words															
abhängig	4.11	3.74	3.94	4.75	3.55	4.15	1.85	1.57	1.72	1.59	1.64	1.70	.00	.05*	.02
ängstlich	4.47	4.06	4.28	4.70	4.11	4.42	1.32	1.60	1.46	1.72	1.49	1.62	.00	.03	.00
arrogant	3.14	3.30	3.22	3.45	3.28	3.37	1.59	1.57	1.57	1.23	1.32	1.26	.00	.00	.00
autoritär	4.89	4.16	4.55	5.35	4.00	4.66	1.06	1.49	1.32	1.39	1.64	1.65	.00	.12***	.01
brutal	2.11	2.13	2.12	1.95	1.85	1.90	1.43	1.31	1.37	1.22	1.50	1.35	.01	.00	.00
deprimiert	3.92	3.85	3.88	4.95	4.17	4.58	1.59	1.46	1.52	1.36	1.34	1.39	.05*	.02	.01
egoistisch	3.72	4.16	3.93	4.32	3.71	4.00	1.80	1.57	1.70	1.53	1.82	1.69	.00	.00	.02
einfalllos	3.53	3.48	3.51	4.20	3.76	3.98	1.34	1.26	1.30	1.28	1.51	1.41	.03	.01	.01
enttäuscht	4.44	4.30	4.38	5.10	4.89	5.00	1.38	1.10	1.25	1.29	1.13	1.21	.06*	.01	.00
feige	2.61	2.82	2.71	3.35	2.83	3.11	1.27	1.38	1.32	1.27	1.47	1.37	.02	.00	.02
feindselig	2.75	3.06	2.90	4.30	3.19	3.73	1.54	1.55	1.54	1.78	1.60	1.76	.06*	.02	.05*
frustriert	4.08	4.16	4.12	5.10	4.16	4.64	1.27	1.34	1.30	1.25	1.34	1.37	.04	.03	.04
gehemmt	3.47	2.94	3.22	3.40	3.19	3.29	1.21	1.31	1.28	1.19	1.33	1.25	.00	.02	.00
geizig	3.97	3.84	3.91	4.95	4.05	4.51	1.46	1.46	1.45	1.57	1.75	1.70	.04	.03	.02
gelangweilt	3.75	3.63	3.70	4.00	3.10	3.55	1.70	1.38	1.55	1.65	1.12	1.47	.00	.03	.02
gereizt	4.06	3.56	3.82	5.15	3.89	4.55	1.41	1.54	1.49	1.39	1.64	1.62	.05*	.08**	.02
hektisch	3.17	3.53	3.33	3.20	3.55	3.38	1.68	1.55	1.62	1.44	1.70	1.56	.00	.01	.00
hilflos	4.03	4.00	4.02	5.35	4.80	5.08	1.56	1.49	1.51	1.39	1.74	1.58	.10***	.01	.01
krank	5.36	5.29	5.33	5.40	5.43	5.41	1.13	1.30	1.20	1.50	1.43	1.45	.00	.00	.00
launisch	4.86	4.13	4.53	4.80	4.45	4.63	1.33	1.48	1.44	1.44	1.61	1.51	.00	.03	.00
neidisch	3.06	3.30	3.17	3.80	4.12	3.95	1.66	1.38	1.52	1.51	0.86	1.25	.06**	.01	.00
nervös	3.61	3.16	3.40	4.45	4.52	4.49	1.78	1.55	1.68	1.47	1.57	1.50	.10***	.00	.01
stur	5.17	4.68	4.94	4.50	4.10	4.30	1.13	1.72	1.44	1.76	1.71	1.73	.04*	.02	.00
träge	4.11	4.06	4.09	4.35	3.89	4.13	1.39	1.58	1.47	1.69	1.57	1.63	.00	.01	.00
traurig	4.36	3.94	4.16	4.70	4.76	4.73	1.48	1.06	1.31	1.69	1.55	1.60	.04	.00	.01
überheblich	3.31	3.16	3.24	3.60	4.26	3.92	1.77	1.73	1.74	1.57	1.85	1.72	.04	.01	.01
unnahbar	3.42	3.60	3.50	3.35	3.35	3.35	1.38	1.63	1.49	1.27	1.46	1.35	.00	.00	.00
unruhig	4.14	3.61	3.88	4.75	4.22	4.50	1.44	1.46	1.46	1.33	1.44	1.39	.04	.03	.00
verärgert	4.44	4.10	4.29	5.00	3.78	4.42	1.32	1.67	1.49	1.17	1.63	1.52	.00	.07*	.02
zornig	3.23	3.90	3.54	4.05	3.48	3.76	1.66	1.69	1.70	1.54	1.36	1.46	.00	.00	.04
Neutral Words															
abwesend	4.11	3.82	3.97	4.59	4.61	4.60	1.24	1.47	1.35	1.62	1.29	1.46	.05*	.00	.00
albern	2.56	2.70	2.62	2.05	2.85	2.43	1.36	1.37	1.36	1.36	1.60	1.52	.00	.03	.01
bescheiden	5.08	4.70	4.91	4.64	4.05	4.36	1.44	1.15	1.32	1.59	1.57	1.59	.04	.03	.00
ehrgeizig	3.47	3.70	3.58	3.36	3.65	3.50	1.44	1.51	1.47	1.47	1.42	1.44	.00	.01	.00
eigenwillig	4.94	4.80	4.88	5.27	5.00	5.14	1.28	1.30	1.28	1.39	1.49	1.42	.01	.01	.00
empfindlich	4.81	4.55	4.69	5.59	5.15	5.38	1.45	1.12	1.31	1.05	1.63	1.36	.06**	.02	.00
energisch	4.39	3.90	4.17	4.23	4.43	4.33	0.96	1.49	1.25	1.19	1.03	1.11	.01	.00	.02
erschöpft	4.94	4.82	4.88	4.91	5.17	5.03	1.26	1.36	1.30	1.77	1.25	1.54	.00	.00	.00
erstaunt	4.22	4.27	4.24	3.86	4.24	4.05	1.22	1.14	1.18	1.17	1.30	1.23	.01	.01	.01
genügsam	5.19	5.36	5.28	5.23	5.50	5.35	1.35	1.17	1.26	1.15	1.15	1.14	.00	.01	.00
gesprächig	5.36	5.52	5.43	5.18	5.24	5.21	1.22	1.12	1.17	1.47	1.45	1.44	.01	.00	.00
harmlos	5.17	4.90	5.04	4.68	4.52	4.60	1.34	1.30	1.32	1.43	1.12	1.28	.03	.01	.00
ironisch	4.08	3.61	3.86	4.59	4.17	4.40	1.61	1.48	1.56	1.59	1.34	1.48	.03	.02	.00
irritiert	3.83	3.63	3.74	4.45	3.90	4.19	1.32	1.43	1.36	1.60	1.41	1.52	.02	.02	.00
listig	3.06	3.26	3.15	3.77	3.00	3.40	1.62	1.59	1.60	1.31	1.48	1.43	.01	.01	.02

(table continued)

Table G5 (continued)

	Means						Standard Deviations						Effect Sizes		
	Young Adults			Older Adults			Young Adults			Older Adults			A	L	AxL
	P	M	O	P	M	O	P	M	O	P	M	O			
moralisch	5.28	5.16	5.22	4.95	5.05	5.00	1.16	1.07	1.11	1.53	1.54	1.51	.01	.00	.00
naiv	3.31	3.13	3.23	2.36	3.50	2.90	1.75	1.22	1.53	1.26	1.40	1.43	.01	.03	.05*
resolut	4.39	4.59	4.49	3.86	3.83	3.85	1.36	1.21	1.29	1.25	1.47	1.33	.05*	.00	.00
scheu	3.75	3.23	3.51	4.48	2.85	3.68	1.36	1.06	1.25	1.72	1.23	1.69	.00	.14***	.04*
schläfrig	5.00	4.33	4.68	5.05	5.00	5.03	1.47	1.49	1.51	1.25	1.28	1.25	.02	.02	.01
schüchtern	3.50	3.17	3.35	3.59	3.90	3.74	1.21	1.21	1.21	1.56	1.41	1.48	.02	.00	.02
skeptisch	4.83	4.71	4.78	5.91	4.95	5.45	1.03	1.30	1.15	1.02	1.43	1.31	.07**	.05*	.03
still	4.03	3.67	3.86	4.45	4.39	4.43	1.32	1.16	1.25	1.26	1.91	1.57	.04*	.01	.00
überrascht	4.22	4.12	4.17	4.05	4.22	4.13	1.07	1.14	1.10	0.97	1.17	1.06	.00	.00	.00
ungestüm	2.54	2.42	2.49	2.09	2.39	2.23	1.15	1.23	1.18	1.19	1.04	1.12	.01	.00	.01
verlegen	3.11	3.17	3.14	2.86	2.85	2.86	1.26	1.21	1.23	1.08	1.42	1.24	.01	.00	.00
verträumt	3.39	3.10	3.25	2.86	3.76	3.30	1.44	1.42	1.43	1.21	1.14	1.24	.00	.01	.05*
vorsichtig	5.39	5.21	5.30	5.64	5.56	5.60	1.02	0.99	1.00	1.29	1.62	1.43	.02	.00	.00
wählerisch	4.69	4.68	4.69	5.14	5.29	5.21	1.31	1.47	1.37	1.67	1.01	1.37	.03	.00	.00
zaghaft	4.20	3.74	3.98	4.41	3.95	4.19	1.13	1.24	1.20	1.62	1.73	1.67	.01	.03	.00
Positive Words															
amüsiert	4.17	4.50	4.32	4.10	4.40	4.25	1.18	1.25	1.21	1.29	1.50	1.39	.00	.01	.00
angeregt	3.74	3.58	3.67	4.10	4.38	4.24	0.98	1.09	1.03	0.89	1.20	1.05	.07**	.00	.01
aufmerksam	4.71	4.71	4.71	4.71	4.62	4.67	1.45	1.44	1.43	1.35	1.28	1.30	.00	.00	.00
ausdauernd	3.63	3.91	3.76	3.62	4.17	3.87	1.48	1.71	1.59	1.36	1.72	1.54	.00	.02	.00
begeistert	4.43	3.83	4.15	3.76	4.75	4.24	1.33	1.39	1.38	1.14	1.16	1.24	.00	.01	.09**
einfühlsam	4.69	4.61	4.65	5.05	5.42	5.23	1.13	1.17	1.14	1.12	1.07	1.10	.06*	.00	.01
entspannt	4.86	4.45	4.67	4.86	4.50	4.68	1.48	1.39	1.44	1.35	1.19	1.27	.00	.02	.00
fröhlich	5.00	4.55	4.78	4.70	5.17	4.92	1.14	1.09	1.13	1.30	1.29	1.30	.00	.00	.04
gebildet	5.29	5.23	5.26	5.19	5.35	5.27	1.27	1.17	1.22	1.03	0.75	0.90	.00	.00	.00
geduldig	5.03	4.80	4.92	5.10	5.43	5.26	1.42	1.27	1.35	1.41	1.33	1.36	.02	.00	.01
gemütlich	5.69	5.52	5.60	5.10	5.50	5.28	1.11	0.97	1.04	1.30	1.29	1.30	.02	.00	.02
geschickt	3.94	3.75	3.85	4.33	4.50	4.41	1.49	1.48	1.48	1.39	1.04	1.23	.04*	.00	.00
gesellig	5.31	5.03	5.18	4.67	5.35	5.00	1.25	1.27	1.26	1.43	1.04	1.28	.00	.01	.04
glücklich	4.29	4.29	4.29	4.24	4.19	4.21	1.15	0.74	0.97	1.37	1.25	1.30	.00	.00	.00
gütig	5.54	5.18	5.37	5.48	5.61	5.54	1.04	1.18	1.12	1.08	0.98	1.02	.01	.00	.01
heiter	4.31	4.64	4.47	4.70	4.78	4.74	1.55	1.11	1.35	0.98	1.22	1.08	.01	.01	.00
höflich	5.29	4.97	5.14	5.33	5.40	5.37	1.53	1.25	1.40	1.32	0.99	1.16	.01	.00	.01
intelligent	4.80	5.03	4.91	4.86	5.15	5.00	1.21	1.08	1.15	0.85	0.75	0.81	.00	.02	.00
kraftvoll	3.20	3.52	3.35	2.95	3.35	3.15	1.05	1.43	1.25	1.07	1.04	1.06	.01	.02	.00
kreativ	3.83	3.94	3.88	4.38	4.61	4.49	1.54	1.24	1.40	1.16	1.14	1.14	.05*	.00	.00
lebhaft	3.69	3.55	3.62	3.76	4.19	3.98	1.23	1.21	1.21	1.14	0.75	0.98	.02	.00	.02
mitfühlend	5.74	5.38	5.57	5.86	6.00	5.92	1.04	1.18	1.12	1.06	0.69	0.90	.03	.00	.01
sanft	4.66	4.57	4.62	4.90	4.90	4.90	1.19	1.33	1.25	0.94	1.51	1.25	.01	.00	.00
sinnlich	3.71	3.50	3.62	3.38	3.75	3.56	1.74	1.70	1.71	1.12	1.80	1.48	.00	.00	.01
tolerant	4.23	4.18	4.21	4.71	5.39	5.03	1.57	1.42	1.49	1.31	1.20	1.29	.08**	.01	.02
treu	5.74	5.28	5.52	5.38	6.10	5.73	1.11	1.13	1.13	1.12	0.72	1.00	.01	.00	.07**
umsichtig	4.94	4.81	4.88	5.29	5.14	5.21	1.46	1.35	1.40	1.01	1.24	1.12	.02	.00	.00
vergnügt	4.60	4.45	4.53	4.71	4.55	4.63	1.17	1.09	1.13	0.85	1.57	1.24	.00	.00	.00
weise	5.83	5.55	5.70	5.40	5.60	5.50	1.04	0.96	1.01	1.35	0.88	1.13	.01	.00	.01
zärtlich	4.20	4.73	4.46	4.71	5.50	5.08	1.39	1.13	1.29	1.27	0.92	1.18	.06**	.06**	.00

Note. Effect sizes were partial eta-squareds (η_p^2). P = Pure, emotion-homogeneous list condition. M = mixed, emotion-heterogeneous list condition. O = Overall.

* $p < .05$. ** $p < .01$. *** $p < .001$.

Table G6

Ratings of Self-Relevance in the Experiment by Age Group and Condition

	Means						Standard Deviations						Effect Sizes		
	Young Adults			Older Adults			Young Adults			Older Adults			A	L	AxL
	P	M	O	P	M	O	P	M	O	P	M	O			
Negative Words															
abhängig	2.97	3.46	3.22	2.52	2.63	2.58	1.71	1.77	1.75	1.27	1.52	1.39	.04*	.01	.00
ängstlich	2.76	3.35	3.05	2.41	2.69	2.55	1.28	1.84	1.60	1.27	1.54	1.40	.03	.02	.00
arrogant	2.62	2.41	2.51	1.79	1.93	1.86	1.67	1.34	1.51	1.21	1.31	1.25	.05**	.00	.00
autoritär	3.08	2.54	2.81	3.03	3.28	3.16	1.85	1.43	1.66	1.45	1.44	1.44	.01	.00	.02
brutal	1.68	1.65	1.66	1.31	1.33	1.32	1.27	0.89	1.09	0.76	0.66	0.71	.03*	.00	.00
deprimiert	2.46	3.32	2.89	2.31	2.34	2.33	1.43	1.87	1.71	1.44	1.34	1.38	.03	.02	.02
egoistisch	3.62	3.24	3.43	2.45	2.48	2.47	1.82	1.59	1.70	1.24	1.31	1.27	.09***	.00	.01
einfalllos	2.68	3.03	2.85	2.28	2.13	2.20	1.68	1.61	1.64	1.25	1.36	1.30	.04*	.00	.01
enttäuscht	3.03	3.35	3.19	2.66	2.72	2.69	1.57	1.65	1.61	1.37	1.19	1.27	.03	.00	.00
feige	2.46	2.70	2.58	2.31	1.76	2.03	1.45	1.53	1.48	1.26	0.95	1.14	.04*	.00	.02
feindselig	1.97	1.89	1.93	1.66	1.58	1.62	1.28	1.29	1.27	0.97	1.03	0.99	.02	.00	.00
frustriert	3.14	3.46	3.30	2.62	2.37	2.49	1.40	1.68	1.54	1.27	1.25	1.25	.07**	.00	.01
gehemmt	2.76	3.49	3.12	2.39	2.61	2.51	1.36	1.52	1.48	1.17	1.63	1.42	.05*	.03	.01
geizig	2.76	2.68	2.72	2.14	1.93	2.03	1.75	1.53	1.63	1.41	1.57	1.49	.05*	.00	.00
gelangweilt	2.84	3.19	3.01	2.07	2.28	2.17	1.42	1.60	1.51	1.07	1.22	1.14	.09***	.01	.00
gereizt	3.35	3.16	3.26	3.10	2.66	2.88	1.62	1.59	1.60	1.59	1.45	1.52	.02	.01	.00
hektisch	3.11	3.84	3.47	3.10	3.41	3.26	1.39	1.42	1.45	1.63	1.59	1.61	.01	.03	.01
hilflos	2.30	3.08	2.69	1.90	1.90	1.90	1.20	1.67	1.50	1.01	1.06	1.03	.09***	.02	.02
krank	2.22	2.36	2.29	3.00	3.23	3.12	1.47	1.20	1.34	1.56	1.96	1.77	.07**	.00	.000
launisch	3.57	3.97	3.77	2.41	1.87	2.14	1.61	1.89	1.76	1.43	1.04	1.27	.22***	.00	.02
neidisch	2.81	2.59	2.70	1.97	2.10	2.03	1.78	1.55	1.66	1.09	1.21	1.14	.05*	.00	.00
nervös	3.16	3.62	3.39	3.38	3.06	3.21	1.40	1.48	1.45	1.57	1.50	1.53	.00	.00	.02
stur	3.97	3.78	3.88	2.07	2.52	2.29	1.61	1.69	1.64	1.25	1.66	1.48	.21***	.00	.01
träge	3.38	3.76	3.57	2.83	2.62	2.72	1.44	1.72	1.59	1.44	1.52	1.47	.07**	.00	.01
traurig	3.14	3.59	3.36	2.59	2.81	2.70	1.51	1.74	1.64	1.45	1.35	1.39	.05*	.01	.00
überheblich	3.30	2.86	3.08	2.21	2.33	2.27	1.79	1.58	1.69	1.29	1.27	1.27	.07**	.00	.00
unnahbar	3.32	3.46	3.39	2.17	2.55	2.37	1.49	1.74	1.61	1.26	1.89	1.62	.09***	.01	.00
unruhig	3.08	3.51	3.30	3.00	2.96	2.98	1.40	1.41	1.41	1.34	1.43	1.37	.01	.01	.01
verärgert	3.41	3.51	3.46	2.71	2.62	2.67	1.36	1.66	1.51	1.33	1.18	1.24	.07**	.00	.00
zornig	2.59	2.68	2.64	2.41	2.53	2.48	1.44	1.25	1.34	1.38	1.34	1.35	.00	.00	.00
Neutral Words															
abwesend	3.05	3.16	3.11	2.35	2.32	2.34	1.63	1.62	1.62	1.28	1.19	1.23	.07**	.00	.00
albern	4.76	4.51	4.64	2.81	2.80	2.80	1.46	1.68	1.57	1.49	1.52	1.49	.27***	.00	.00
bescheiden	4.49	4.57	4.53	4.39	5.20	4.79	1.54	1.57	1.55	1.28	1.37	1.38	.01	.02	.02
ehrgeizig	4.84	5.00	4.92	4.71	5.07	4.88	1.40	1.43	1.41	1.42	1.31	1.37	.00	.01	.00
eigenwillig	5.17	4.89	5.03	4.13	4.50	4.31	1.30	1.37	1.33	1.18	1.63	1.42	.07**	.00	.01
empfindlich	4.43	4.65	4.54	4.35	4.20	4.28	1.61	1.49	1.55	1.20	1.61	1.40	.01	.00	.00
energisch	4.44	4.43	4.44	4.65	4.78	4.71	1.08	1.24	1.15	1.23	1.26	1.24	.01	.00	.00
erschöpft	3.49	3.59	3.54	2.65	2.79	2.71	1.46	1.59	1.52	1.23	1.64	1.43	.07**	.00	.00
erstaunt	4.05	4.11	4.08	4.26	4.29	4.27	1.33	1.45	1.38	1.15	1.24	1.19	.01	.00	.00
genügsam	4.54	4.46	4.50	4.58	5.55	5.05	1.19	1.37	1.27	1.29	1.09	1.28	.05*	.03*	.04*
gesprächig	5.32	5.08	5.20	5.13	5.50	5.32	1.20	1.42	1.31	1.06	1.08	1.08	.00	.00	.02
harmlos	4.38	4.27	4.32	3.94	3.47	3.70	1.96	1.69	1.82	1.61	1.80	1.71	.03*	.01	.00
ironisch	4.86	4.97	4.92	4.06	3.93	4.00	1.53	1.44	1.48	1.90	1.71	1.79	.08**	.00	.00
irritiert	2.65	3.43	3.04	2.77	2.91	2.84	1.11	1.59	1.42	1.23	1.20	1.21	.01	.03	.02
listig	2.95	2.78	2.86	2.19	1.97	2.08	1.70	1.40	1.55	1.19	1.28	1.24	.07**	.01	.00

(table continued)

Table G6 (continued)

	Means						Standard Deviations						Effect Sizes		
	Young Adults			Older Adults			Young Adults			Older Adults			A	L	AxL
	P	M	O	P	M	O	P	M	O	P	M	O			
moralisch	4.00	4.19	4.09	3.90	4.72	4.30	1.49	1.61	1.55	1.49	1.41	1.50	.01	.03	.01
naiv	2.81	3.11	2.96	2.81	2.06	2.43	1.61	1.49	1.55	1.56	1.05	1.36	.03	.01	.03
resolut	3.70	3.41	3.55	4.48	4.96	4.71	1.13	1.24	1.18	1.34	1.43	1.39	.18***	.00	.02
scheu	3.00	3.16	3.08	2.32	2.93	2.62	1.64	1.74	1.68	1.22	1.72	1.51	.02	.02	.01
schläfrig	3.54	3.89	3.72	2.71	2.55	2.63	1.48	1.70	1.59	1.27	1.35	1.30	.12***	.00	.01
schüchtern	3.19	3.81	3.50	2.45	2.79	2.62	1.65	1.73	1.71	0.99	1.50	1.26	.08**	.03	.00
skeptisch	4.00	4.00	4.00	3.87	4.31	4.08	1.56	1.63	1.59	1.41	1.58	1.50	.00	.01	.01
still	3.57	3.92	3.74	3.55	3.48	3.52	1.82	1.85	1.83	1.57	1.77	1.66	.00	.00	.00
überrascht	4.49	4.49	4.49	4.41	4.38	4.40	1.48	1.35	1.41	0.95	1.35	1.15	.00	.00	.00
ungestüm	2.67	3.11	2.89	2.90	3.07	2.98	1.24	1.47	1.37	1.30	1.56	1.42	.00	.01	.00
verlegen	3.19	3.59	3.39	2.58	3.21	2.88	1.47	1.50	1.49	1.03	1.55	1.33	.03*	.03*	.00
verträumt	4.14	4.65	4.39	3.00	3.78	3.40	1.67	1.90	1.80	1.63	1.52	1.61	.08**	.04*	.00
vorsichtig	4.51	4.24	4.38	4.48	4.14	4.32	1.33	1.42	1.37	1.52	1.75	1.63	.00	.01	.00
wählerisch	4.30	4.46	4.38	4.48	4.68	4.58	1.60	1.32	1.46	1.18	1.40	1.29	.01	.00	.00
zaghaft	3.92	3.86	3.89	2.74	3.17	2.95	1.54	1.75	1.64	1.15	1.74	1.48	.08**	.00	.01
Positive Words															
amüsiert	5.05	4.78	4.92	4.57	4.80	4.69	1.22	1.40	1.31	1.35	1.54	1.44	.01	.00	.01
angeregt	4.70	4.65	4.68	5.15	5.00	5.07	1.20	1.25	1.22	1.03	1.27	1.16	.03	.00	.00
aufmerksam	5.46	5.38	5.42	5.39	5.61	5.51	0.96	1.01	0.98	0.96	0.99	0.97	.00	.00	.01
ausdauernd	4.89	4.68	4.78	4.86	5.52	5.19	1.35	1.40	1.37	1.43	0.99	1.26	.02	.01	.03
begeistert	5.57	5.27	5.42	5.46	5.83	5.66	1.21	1.15	1.18	1.20	1.05	1.13	.01	.00	.02
einfühlsam	5.32	5.44	5.38	5.39	5.60	5.50	1.18	1.16	1.16	1.07	1.40	1.25	.00	.01	.00
entspannt	4.89	4.27	4.58	5.14	5.13	5.14	1.22	1.35	1.31	1.15	1.09	1.11	.05*	.02	.02
fröhlich	5.51	5.24	5.38	5.25	5.24	5.25	1.12	1.19	1.16	1.32	1.24	1.27	.00	.00	.00
gebildet	5.08	4.78	4.93	4.82	5.34	5.09	1.19	1.42	1.31	1.16	0.81	1.02	.00	.00	.03
geduldig	4.92	4.22	4.57	4.93	4.69	4.80	1.59	1.69	1.66	1.52	1.73	1.63	.01	.02	.01
gemütlich	4.86	4.41	4.64	4.75	5.36	5.05	1.29	1.40	1.36	1.32	1.06	1.23	.03	.00	.04*
geschickt	5.43	5.00	5.22	4.89	5.10	5.00	1.19	1.13	1.17	1.20	1.01	1.10	.01	.00	.02
gesellig	5.32	4.65	4.99	5.07	5.53	5.31	1.56	1.36	1.49	1.46	1.46	1.47	.01	.00	.04*
glücklich	5.27	4.92	5.09	5.14	5.65	5.41	1.41	1.57	1.49	1.21	0.88	1.07	.01	.00	.03
gütig	4.65	5.00	4.82	5.07	5.28	5.18	1.25	1.27	1.26	1.12	1.31	1.21	.02	.01	.00
heiter	5.14	4.97	5.05	5.46	5.64	5.55	1.18	1.34	1.26	1.04	0.78	0.91	.05*	.00	.01
höflich	6.05	6.00	6.03	5.50	6.10	5.81	0.91	0.94	0.92	1.07	1.06	1.10	.01	.02	.03
intelligent	5.14	5.42	5.27	4.86	5.43	5.16	1.36	1.05	1.22	1.04	0.86	0.99	.00	.04*	.00
kraftvoll	4.81	4.49	4.65	4.25	4.41	4.33	1.27	1.39	1.33	1.32	1.16	1.23	.02	.00	.01
kreativ	5.19	5.08	5.14	4.79	5.21	5.00	1.45	1.50	1.46	1.29	1.45	1.38	.00	.00	.01
lebhaft	5.27	5.16	5.22	5.11	5.32	5.22	0.99	1.17	1.08	1.13	1.11	1.12	.00	.00	.01
mitfühlend	5.22	5.65	5.43	5.63	5.54	5.58	1.46	1.16	1.33	1.08	1.23	1.15	.00	.01	.01
sanft	5.41	5.38	5.39	4.57	4.75	4.67	1.24	1.11	1.17	1.40	1.52	1.46	.07**	.00	.00
sinnlich	5.27	5.41	5.34	4.86	4.63	4.74	1.26	1.38	1.32	1.18	1.69	1.46	.04*	.00	.00
tolerant	5.68	5.68	5.68	5.44	6.37	5.91	1.18	0.85	1.02	1.34	0.79	1.19	.01	.05*	.05*
treu	6.24	5.92	6.08	5.57	6.10	5.84	0.98	1.19	1.09	1.17	0.88	1.06	.01	.00	.04*
umsichtig	5.24	5.16	5.20	5.39	5.35	5.37	1.06	1.21	1.13	1.13	1.25	1.19	.01	.00	.00
vergnügt	5.03	4.92	4.97	4.89	5.06	4.98	1.26	1.09	1.17	1.29	1.29	1.28	.00	.00	.00
weise	4.14	3.84	3.99	4.39	4.71	4.55	1.38	1.46	1.42	0.92	1.01	0.97	.05*	.00	.02
zärtlich	5.51	5.62	5.57	5.14	5.52	5.33	1.26	1.23	1.24	1.21	1.24	1.23	.01	.01	.00

Note. Effect sizes were partial eta-squareds (η_p^2). P = Pure. emotion-homogeneous list condition. M = mixed. emotion-heterogeneous list condition. O = Overall.

* $p < .05$. ** $p < .01$. *** $p < .001$.

Table G7

Recallability^a of Negative Words by Age Group and List Condition

Words	Learning Phase					1-Hour Recall					1-Week Recall				
	Young			Old		Young			Old		Young			Old	
	O	P	M	P	M	O	P	M	P	M	O	P	M	P	M
krank	183	41	47	46	49	128	35	30	28	35	76	15	24	18	19
brutal	153	38	48	35	32	104	31	31	20	22	93	33	33	14	13
arrogant	143	37	37	32	37	87	23	23	22	19	72	20	11	23	18
gehemmt	137	38	40	26	33	73	25	21	11	16	46	6	20	7	13
stur	137	36	39	29	33	82	23	24	13	22	54	14	16	14	10
geizig	125	25	40	31	29	94	20	31	20	23	73	18	29	17	9
nervös	121	29	35	28	29	73	15	29	12	17	57	17	23	6	11
zornig	119	26	36	29	28	89	24	27	20	18	66	15	16	24	11
egoistisch	116	23	44	26	23	78	17	29	14	18	54	13	21	10	10
feige	114	21	33	31	29	51	9	16	12	14	35	3	11	12	9
traurig	107	29	35	18	25	68	19	30	8	11	65	19	25	15	6
deprimiert	106	32	30	27	17	66	24	18	16	8	49	18	12	16	3
autoritär	104	21	40	12	31	80	23	22	13	22	52	15	16	3	18
gelangweilt	103	29	27	24	23	52	19	18	12	3	21	6	6	6	3
ängstlich	102	20	31	27	24	57	14	18	13	12	37	12	11	5	9
neidisch	102	27	25	25	25	64	15	19	15	15	47	9	12	17	9
unnahbar	102	28	30	28	16	44	13	13	13	5	32	6	15	8	3
frustriert	101	29	29	20	23	61	16	19	15	11	35	7	10	11	7
gereizt	99	24	26	23	26	54	14	19	10	11	28	8	9	5	6
hektisch	94	27	34	15	18	54	18	18	12	6	26	3	13	7	3
überheblich	92	20	25	29	18	40	8	12	12	8	32	3	12	14	3
hilflos	90	30	19	17	24	50	14	19	9	8	36	8	15	9	4
launisch	87	18	22	24	23	52	11	17	18	6	40	9	14	13	4
einfallslös	81	26	20	15	20	45	15	18	5	7	32	12	14	3	3
träge	80	22	25	18	15	49	16	13	9	11	51	20	10	13	8
feindselig	78	17	22	9	30	42	9	14	5	14	24	6	6	3	9
abhängig	72	15	24	18	15	39	8	15	8	8	24	6	13	3	2
unruhig	65	21	11	18	15	47	16	13	9	9	29	6	9	5	9
enttäuscht	61	13	24	13	11	33	10	14	9	0	23	3	11	4	5
verärgert	57	12	22	8	15	28	5	17	0	6	16	0	9	1	9

Note. ^aSummed frequency across participants and trials. Words are decreasingly ordered from the best recalled word to the worst recalled word. O = Overall age groups and list conditions. P = pure, emotion-homogeneous lists. M = mixed, heterogeneous lists.

Table G8

Recallability^a of Neutral Words by Age Group and List Condition

Words	Learning Phase					1-Hour Recall					1-Week Recall				
	Young			Old		Young			Old		Young			Old	
	O	P	M	P	M	O	P	M	P	M	O	P	M	P	M
naiv	201	51	55	47	48	129	35	30	33	31	99	24	27	27	21
still	172	46	45	43	38	114	31	24	34	25	80	19	19	21	21
schläfrig	153	38	41	38	36	95	21	26	27	21	47	13	14	14	6
irritiert	132	31	33	36	32	77	19	20	20	18	58	10	18	14	16
scheu	132	29	41	33	29	78	19	22	20	17	38	7	16	6	9
albern	112	35	31	22	24	67	24	21	11	11	53	21	12	9	11
listig	111	18	41	16	36	66	11	28	3	24	58	11	25	7	15
ehrgeizig	110	30	42	18	20	77	28	31	8	10	64	22	25	11	6
energisch	104	27	31	24	22	63	15	24	11	13	43	4	18	13	8
schüchtern	103	27	37	18	21	50	18	18	6	8	34	9	12	5	8
ironisch	98	34	26	22	16	59	24	11	14	10	49	21	14	3	11
moralisch	97	27	36	16	18	71	25	21	10	15	51	18	17	8	8
resolut	97	35	35	14	13	51	15	22	5	9	45	15	18	6	6
empfindlich	93	23	24	22	24	42	10	11	12	9	25	4	8	9	4
zaghaf	89	24	33	21	11	46	12	19	12	3	23	6	12	4	1
skeptisch	87	26	29	20	12	42	9	18	12	3	37	8	18	9	2
wählerisch	82	20	27	17	18	44	15	9	7	13	37	9	9	8	11
bescheiden	78	16	30	18	14	38	9	16	8	5	30	9	9	7	5
erschöpft	77	20	16	24	17	39	12	7	12	8	25	8	5	6	6
ungestüm	77	18	27	13	19	53	14	16	6	17	36	9	12	3	12
verträumt	77	24	28	11	14	45	16	17	3	9	19	8	9	1	1
gesprächig	76	16	27	12	21	58	18	25	8	7	22	6	14	2	0
genügsam	74	19	21	21	13	39	13	12	7	7	25	6	9	7	3
harmlos	71	16	20	17	18	34	5	16	5	8	19	6	7	3	3
abwesend	62	16	24	10	12	38	9	13	9	7	21	0	9	9	3
erstaunt	62	12	19	15	16	32	8	11	4	9	25	3	10	3	9
eigenwillig	54	12	16	14	12	19	5	4	3	7	13	3	4	0	6
überrascht	50	14	13	10	13	30	6	10	8	6	14	5	3	0	6
verlegen	48	5	19	8	16	14	0	7	1	6	5	0	2	0	3
vorsichtig	45	9	11	14	11	27	5	10	0	12	21	3	6	3	9

Note. ^aSummed frequency across participants and trials. Words are ordered decreasingly from the best recalled word to the worst recalled word. O = Overall age groups and list conditions. P = pure, emotion-homogeneous lists. M = mixed, heterogeneous lists.

Table G9

Recallability^a of Positive Words by Age Group and List Condition

Words	Learning Phase					1-Hour Recall					1-Week Recall				
	Young			Old		Young			Old		Young			Old	
	O	P	M	P	M	O	P	M	P	M	O	P	M	P	M
treu	172	46	49	33	44	95	23	27	23	22	72	20	25	11	16
fröhlich	159	37	46	37	39	108	31	30	23	24	85	24	19	17	25
intelligent	153	47	44	37	25	101	33	29	27	12	85	33	18	24	10
kreativ	147	38	46	32	31	95	24	30	23	18	69	14	26	17	12
heiter	143	37	41	30	35	95	23	28	22	22	76	18	24	15	19
kraftvoll	137	41	38	29	29	83	29	17	21	16	67	24	23	13	7
glücklich	136	35	35	31	35	90	23	28	17	22	63	20	23	11	9
tolerant	135	38	44	31	22	85	26	27	15	17	50	18	13	13	6
zärtlich	131	42	30	34	25	90	27	22	23	18	54	17	21	9	7
weise	125	42	23	38	22	89	33	21	21	14	70	32	17	18	3
sinnlich	122	35	41	22	24	70	16	25	17	12	51	14	25	10	2
ausdauernd	118	28	24	37	29	67	21	12	22	12	57	20	15	16	6
sanft	117	37	34	24	22	82	30	18	16	18	68	30	15	9	14
entspannt	110	34	28	21	27	51	20	11	12	8	26	12	10	1	3
einfühlsam	101	39	20	21	21	51	24	12	11	4	39	12	15	8	4
amüsiert	100	26	38	19	17	58	26	17	10	5	38	12	14	9	3
gebildet	96	31	31	17	17	61	25	16	16	4	48	18	10	14	6
gesellig	93	25	15	31	22	64	14	18	17	15	39	11	13	12	3
höflich	93	25	32	19	17	55	15	22	10	8	47	12	15	11	9
aufmerksam	90	30	22	20	18	66	25	15	17	9	50	23	6	17	4
geduldig	84	25	22	20	17	59	23	15	9	12	37	17	8	8	4
mitfühlend	77	26	22	13	16	46	22	15	4	5	32	19	6	3	4
gütig	76	22	17	17	20	45	18	8	12	7	23	6	6	6	5
gemütlich	75	29	18	14	14	59	20	20	11	8	29	14	7	4	4
angeregt	72	22	16	18	16	45	14	13	8	10	32	9	12	6	5
lebhaft	63	17	19	9	18	23	9	13	1	0	17	6	11	0	0
begeistert	57	25	11	10	11	27	19	3	2	3	26	15	3	3	5
umsichtig	57	13	15	18	11	31	8	12	10	1	30	5	13	12	0
geschickt	52	17	6	10	19	40	17	3	5	15	29	6	3	8	12
vergnügt	45	10	14	8	13	9	0	3	0	6	6	0	6	0	0

Note. ^aSummed frequency across participants and trials. Words are ordered decreasingly from the best recalled word to the worst recalled word. O = Overall age groups and list conditions. P = pure, emotion-homogeneous lists. M = mixed, heterogeneous lists.