ESM 1 – Table

Psychometric properties and correlations between the scales of the comprehensibility questionnaires and the dependent variables

Measure (number of items)	M (SD)	N	α	1	2	3	4	5	6	7	8	9	10
1) subjective comprehensibility (3)	2.14 (1.02)	147	.90		.03	.03	.08	.04	.05	-	-	-	-
2) word difficulty (3)	1.72 (1.05)	149	.89	-.80*		.05	.08	.04	.06	-	-	-	-
3) sentence difficulty (3)	1.40 (0.86)	149	.83	-.76*	.60*		.08	.06	.06	-	-	-	-
4) effort needed for reorganizations (3)	0.97 (0.62)	148	.63	-.19*	.13	.22*		.08	.08	-	-	-	-
5) clarity of representation (3)	1.63 (0.88)	149	.74	.73*	-.68*	-.51*	-.13		.06	-	-	-	-
6) variety of language use (3)	1.58 (0.93)	149	.83	.66*	-.53*	-.50*	-.04	.52*		-	-	-	-
7) simplicity (6)	2.56 (0.81)	152	.83	-	-	-	-	-	-		.03	.07	.06
8) organization/ordering (6)	2.88 (0.79)	147	.57	-	-	-	-	-	-	.77*		.06	.06
9) concision (6)	2.21 (0.53)	148	.87	-	-	-	-	-	-	.39*	.56*		.08
10) additional stimulant (4)	1.63 (0.84)	152	.81	-	-	-	-	-	-	.55*	.47*	.27*	
interestingness (1)	1.74 (1.08)	302	-	.52*	-.41*	-.37*	-.03	.46*	.44*	.41*	.37*	.28*	.65*
Interest after reading (4)	1.30 (0.81)	302	.89	.54*	-.47*	-.38*	-.03	.46*	.44*	.37*	.30*	.22*	.67*
comprehension (6)	3.30 (2.09)	302	.80	.54*	-.49*	-.29*	-.17*	.54*	.29*	.32*	.23*	.06	.34*

Note. The lower diagonal contains the correlations of the variables. The upper diagonal contains the standard errors for these correlations according to Bonnet amd Wright (2000). Variables 1 to 6 were assessed using the comprehensibility questionnaire from Friedrich (2017). Variables 7 to 10 were assessed using the comprehensibility questionnaire from Jucks (2001). No correlations could be calculated between these questionnaires, since they were surveyed on disjoint subsamples.

*p < .05, one-tailed.