

Table S1

Study 1: Descriptive Statistics

Variable	Scale	<i>M</i>	<i>SD</i>	<i>Min</i>	<i>Max</i>	α^a
Cognitive Failures						
CFQ	0–4, mean across 32 items	1.36	0.46	0.16	2.81	.91
Clumsiness	0–4, mean across 4 items	1.11	0.58	0.00	3.00	.74
Retrieval	0–4, mean across 5 items	1.51	0.61	0.00	3.20	.74
Intention forgotten	0–4, mean across 3 items	0.49	0.54	0.00	2.67	.62
Processing Speed						.94
Digit symbol	0–100, # of correct trials	52.41	11.93	19.00	90.00	--
Digit letter	0–100, # of correct trials	58.27	13.88	19.00	89.00	--
Memory						.76
Digit span forward	0–16, # of correct trials	10.10	2.00	6.00	15.00	--
Digit span backward	0–14, # of correct trials	7.03	2.05	4.00	13.00	--
Corsi block forward	0–16, # of correct trials	8.36	1.72	4.00	13.00	--
Corsi block backward	0–14, # of correct trials	8.64	2.16	2.00	14.00	--
Inhibition						.68
Flanker	Difference mean RT	61.05	55.49	1.99	448.97	--
Simon	Difference mean RT	43.73	29.25	0.87	250.60	--
Big Five						
Neuroticism	1–7, mean across 3 items	4.19	1.44	1.00	7.00	.80
Extraversion	1–7, mean across 3 items	4.64	1.16	1.00	7.00	.67
Openness	1–7, mean across 3 items	4.82	1.13	1.00	7.00	.62
Agreeableness	1–7, mean across 3 items	5.27	1.02	1.00	7.00	.55
Conscientiousness	1–7, mean across 3 items	5.36	1.08	1.00	7.00	.58
Control Variables						
Age	Years	51.70	15.50	20.00	86.00	--
Life satisfaction	1–7, mean across 5 items	5.00	1.29	1.00	7.00	.90

Notes. ^aInternal consistencies: Cronbach's α was calculated for scales with self-reported items (personality, cognitive failures, and life satisfaction). The internal consistencies of objective cognitive performance (processing speed, memory, and inhibition) were estimated by relating the proportion of latent variation to total variation for each latent factor (see Figure 1). CFQ = Cognitive Failures Questionnaire; # = number; RT = reaction time in milliseconds. The Big Five were assessed with a German short version of the Big Five Inventory (BFI-S; Gerlitz & Schupp, 2005).

Table S2

Study 1: Correlations between Personality, Cognitive Performance, and Cognitive Failures.

	Personality					Cognitive Performance			Cognitive Failures		
	1	2	3	4	5	6	7	8	9	10	11
Personality											
1. Openness	–										
2. Conscientiousness	.12	–									
3. Extraversion	.17	.26**	–								
4. Agreeableness	.13	.29**	.24**	–							
5. Neuroticism	–.08	–.15	–.27**	–.18*	–						
Cognitive Performance											
6. Processing Speed	–.05	.17*	.18*	–.01	–.07	–					
7. Memory	–.17*	.08	.16	–.01	–.03	.68**	–				
8. Inhibition	.25**	–.04	.18*	.16	.07	–.30	–.36**	–			
Cognitive Failures											
9. CFQ (Overall Score)	.02	–.31*	–.19*	–.06	.45**	–.05	.01	.12	–		
10. Clumsiness	.14	–.19	–.16	.01	.17**	.04	.04	–.04	– ^a	–	
11. Retrieval	.01	–.28*	–.11	.01	.32**	.04	.01	.17	– ^a	.58**	–
12. Intention Forgotten	.02	–.20	–.09	.06	.42**	–.10	.02	.12	– ^a	.46**	.79**

Notes. ** $p < .005$; * $p < .05$. ^a Not estimated (in the same factor model in Study 1, but see Table S4 of Study 2). The correlations were derived from the model depicted in Figure 1 – except for those in the last three lines, which were derived from the model depicted in Figure 2.

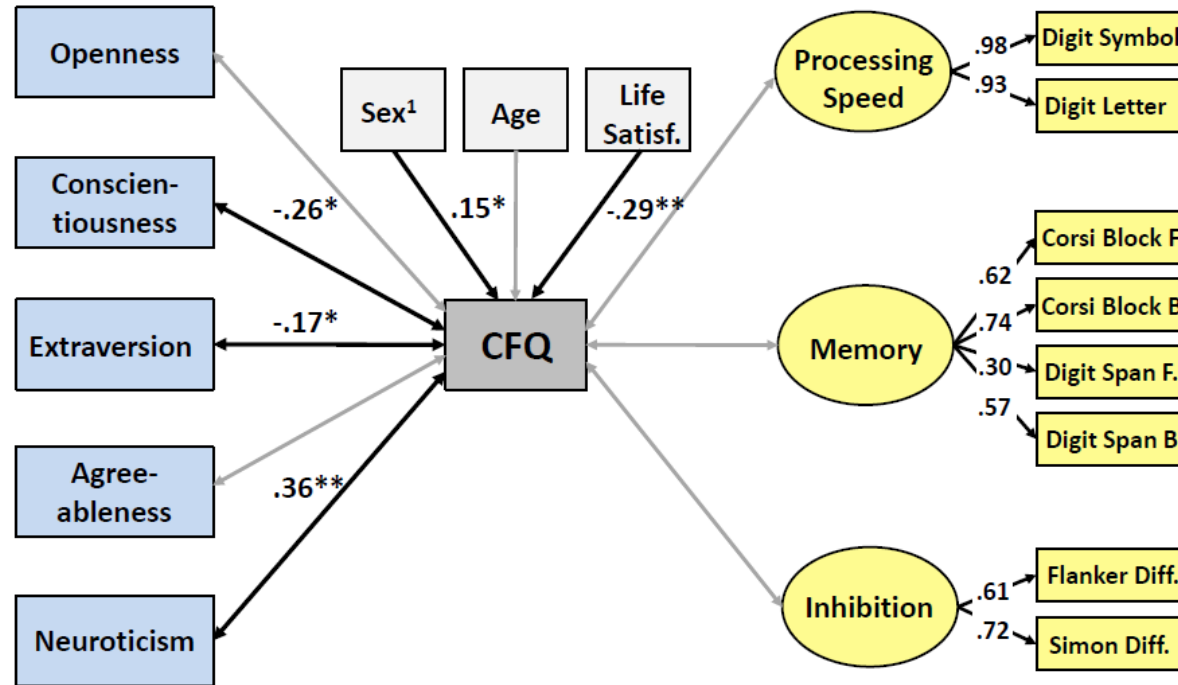


Figure S1. The relations of cognitive failures, personality, and cognitive performance after controlling for sex, age, and satisfaction of life (Study 1). ** $p < .005$; * $p < .05$. The fit of the model to the data was good [$X^2(df = 71) = 94.61$, $p = .03$; CFI = .97; RMSEA = .05 (90 % CI = .01–.07); and SRMR = .05]. Please note that some arrows are double arrows (i.e., correlations). All correlations between the Big Five and cognitive performance were estimated but are not displayed. All parameters are standardized. The squares represent observed variables and the circles represent latent variables.

¹Sex was coded as 0 = male, 1 = female.

CFQ = Cognitive Failures Questionnaire; F. = Forwards; B. = Backwards; Diff. = Difference.

Table S3

Study 2: Descriptive Statistics

Variable	<i>M</i>	<i>SD</i>	<i>Min</i>	<i>Max</i>	<i>α</i>
CFQ (overall mean)	1.42	0.47	0.34	2.78	.88
Big Five					
Neuroticism	2.88	0.49	1.51	3.96	.92
Extraversion	3.41	0.39	2.27	4.35	.89
Openness	3.40	0.45	0.16	4.58	.86
Agreeableness	3.43	0.38	2.04	4.15	.84
Conscientiousness	3.54	0.41	2.38	4.67	.83
Sub-Scales Neuroticism					
Anxiety	3.10	0.74	1.13	4.75	.79
Hostility	2.65	0.57	1.13	4.00	.66
Depression	2.73	0.74	1.13	4.50	.87
Self-consciousness	3.08	0.60	1.63	4.50	.76
Impulsiveness	3.11	0.49	1.86	4.38	.47
Vulnerability to Stress	2.60	0.62	1.00	4.75	.81
Sub-Scales Conscientiousness					
Competence	3.72	0.43	2.50	4.88	.69
Order	3.49	0.58	2.13	4.75	.65
Dutifulness	3.86	0.52	2.38	5.00	.56
Achievement Striving	3.53	0.53	2.13	4.75	.51
Self-Discipline	3.32	0.67	1.63	5.00	.70
Deliberation	3.20	0.41	2.14	4.17	.67

Notes. CFQ = Cognitive Failures Questionnaire. α = Cronbach's alpha. The CFQ scale was ranged 0–4 and the personality scales were ranged 1–7. The Big Five were assessed with a German version of the Revised NEO Personality Inventory (NEO-PI-R; Costa & McCrae, 1992).

Table S4

Study 2: Correlations between Personality Domains and Cognitive Failures.

	Personality					Cognitive Failures		
	1	2	3	4	5	6	7	8
Personality								
1. Openness	–							
2. Conscientiousness	–.02	–						
3. Extraversion	.21*	.08	–					
4. Agreeableness	.04	.31**	.02	–				
5. Neuroticism	–.09	–.38**	–.41**	–.11	–			
Cognitive Failures								
6. CFQ (Overall Score)	–.07	–.43**	–.21**	–.23**	.60**	–		
7. Clumsiness	.01	–.26**	–.02	–.07	.31**	.59**	–	
8. Retrieval	–.08	–.46**	–.25**	–.17*	.52**	.86**	.42**	–
9. Intention Forgotten	–.12	–.09	–.17*	–.22**	.33**	.62**	.31**	.46**

Notes. ** $p < .005$; * $p < .05$.

Table S5

Study 1: Predictors of Cognitive Failures (Full CFQ Scale and Different Types of Failures)

Predictor	CFQ Model 1 ^a	CFQ Model 2 ^b	Clumsiness	Retrieval	Intention Forgotten
	β	β	β	β	β
Personality					
Openness	.08	.07	.14	.03	.03
Conscientiousness	-.26**	-.24**	-.18*	-.26**	-.14
Extraversion	-.07	-.07	-.11	-.02	.09
Agreeableness	.09	.08	.13	.11	.12
Neuroticism	.42**	.36**	.15	.27**	.37**
Cogn. Performance^c					
Processing Speed	.01	.01	.06	.06	-.06
Memory	.07	.12	.02	.05	.03
Inhibition	.06	.07	.07	.10	.03
Control Variables					
Sex (0 = male, 1 = female)		.15			
Age		.09			
Life Satisfaction		-.15*			
R^2	.28	.32	.10	.16	.16
$F(df)$	7.26** (8)	6.18**(11)	2.02*(8)	3.49**(8)	3.44**(8)

Notes. ^aModel 1 = without control variables; ^bModel 2 = with control variables; ^cAll three predictors were computed as the mean of the z-scores of the respective tasks. CFQ = Cognitive Failures Questionnaire (full scale). All models are linear regression models. ** $p < .005$; * $p < .05$.