

Investigating the Effect of Personality, Internet Literacy, and Use Expectancies in Internet-Use Disorder: A Comparative Study between China and Germany

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Table S1. Gender differences in the s-IAT, IUES, ILQ, and Big Five personality traits in Germany and China (ANOVA).

Domain/variable	Germany				China				F	df	p	η^2
	Male		Female		Male		Female					
	M	SD	M	SD	M	SD	M	SD				
Internet-use disorder (s-IAT)												
Total score	24.81	7.48	23.35	7.38	31.53	8.89	31.08	10.30	0.71	1, 817	0.400	0.001
Loss of control/time management	14.41	4.39	13.80	4.76	16.97	4.69	17.31	5.38	1.91	1, 817	0.167	0.002
Craving/social problems	10.41	4.00	9.54	3.50	14.56	4.81	13.77	5.51	0.02	1, 817	0.900	<0.001
Internet-use expectancies (IUES)												
Positive reinforcement	3.96	1.12	3.35	1.22	4.37	0.88	4.21	0.96	8.98	1, 817	0.003	0.011
Avoidance expectancies	2.54	1.13	2.38	1.16	3.40	1.12	3.41	1.16	1.10	1, 817	0.295	0.001
Internet literacy (ILQ)												
Technical expertise	3.41	1.12	2.34	1.10	3.23	1.05	2.70	1.09	12.48	1, 817	<0.001	0.015
Production and interaction	2.24	1.09	1.96	1.13	3.01	1.04	2.79	1.15	0.22	1, 817	0.683	<0.001
Reflection and critical analysis	3.28	0.82	3.06	0.94	3.11	0.99	2.89	1.08	<0.01	1, 817	0.995	<0.001
Self-regulation	2.90	1.05	3.27	0.92	3.06	0.96	2.74	1.02	23.68	1, 817	<0.001	0.028

Table S1. Cont.

Big Five personality¹												
Neuroticism	2.38	0.88	3.01	0.92	2.86	0.58	2.80	0.59	40.74	1, 817	<.001	.047
Extraversion	3.37	0.94	3.73	0.96	3.20	0.47	3.19	0.46	12.56	1, 817	<.001	.015
Openness	3.43	1.04	3.49	1.12	3.24	0.42	3.33	0.44	0.02	1, 817	.893	<.001
Conscientiousness	3.20	0.86	3.41	0.93	3.34	0.44	3.34	0.48	4.94	1, 817	.027	.006
Agreeableness	2.99	0.80	3.08	0.83	3.35	0.48	3.44	0.43	<0.01	1, 817	.947	<.001

¹German sample: measured with BFI-10; Chinese sample: measured with NEO-FFI

Table S2. Correlations between age and the observed Internet and personality (Pearson correlations) including Fisher's z comparison between Germany and China.

Domain/variable	Age			Fisher's z
	Total	Germany	China	
Internet-use disorder (s-IAT)				
Total score	.033	-.072	.142**	-3.07**
Loss of control/time management	.028	-.010	.074	-1.20
Craving/social problems	.033	-.129**	.191**	-4.61**
Internet-use expectancies (IUES)				
Positive reinforcement	.066	.096*	.020	1.09
Avoidance expectancies	.082*	.028	.164**	-1.96*
Internet literacy (ILQ)				
Technical expertise	.125**	.101*	.158**	-0.83
Production and interaction	.017	-.056	.110*	-2.38**
Reflection and critical analysis	.017	-.031	.070	-1.44
Self-regulation	.024	-.002	.059	-0.87
Big Five personality¹				
Neuroticism	-.018	-.029	.003	-0.46
Extraversion	-.021	.013	-.109*	1.75*
Openness	-.144**	-.152**	-.149**	-0.04
Conscientiousness	.079*	.081	.080	0.01
Agreeableness	-.035	-.026	-.063	0.53

¹German sample: measured with BFI-10; Chinese sample: measured with NEO-FFI

* $p \leq .05$, ** $p \leq .01$