

Table A Descriptive analysis of methods and correlation matrix + Bullshit receptivity

	M	SD	Min	Max	Ord α	1	2	3	4	5	6	7
1) Age	28.80	8.95	18	69	—	—						
2) Education			1	6	—	.45***	—					
3) Religiosity	3.66	1.64	1	7	—	.01	-.04	—				
4) Medical conspiracy theories	1.44	0.90	1	5	0.95	-.00	-.09	.20***	—			
5) Political conspiracy theories	1.45	0.76	1	5	0.96	-.08	-.14**	.26***	.71***	—		
6) Analytic thinking	0.67	0.38	0	1	0.87	.10	.14**	-.16**	-.22***	-.27***	—	
7) Scientific reasoning	0.76	0.20	0	1	0.64	.06	.16**	-.25***	-.32***	-.37***	.34***	—
8) Bullshit receptivity	2.33	0.91	1	4.6	0.92	-.21***	-.16**	.23***	.27***	.28***	-.22***	-.32***

Note. * $p < 0,05$, ** $p < 0,01$, *** $p < 0,001$; Ord α – ordinal alpha

Table B Results of regression analysis (standardized β) + Bullshit receptivity

Model	Predictors	Medical conspiracy theories			Political conspiracy theories		
		β	95% CI	VIF	β	95% CI	VIF
1	Age	0.05	[-0.05~0.16]	1.26	-0.02	[-0.13, 0.08]	1.26
	Gender	0.15**	[0.06~0.25]	1.11	0.17***	[0.07, 0.26]	1.11
	Education	-0.12*	[-0.22~-0.01]	1.26	-0.13*	[-0.23, -0.02]	1.26
	Religiosity	0.15**	[0.05~0.25]	1.11	0.21***	[0.11, 0.31]	1.11
	R ² / adj. R ²	0.08*** / 0.07***			0.11*** / 0.11***		
2	Age	0.06	[-0.04~0.16]	1.26	-0.02	[-0.12, 0.08]	1.26
	Gender	0.11*	[0.01~0.21]	1.19	0.12*	[0.02, 0.22]	1.19
	Education	-0.10	[-0.20~-0.01]	1.29	-0.10*	[-0.20, -0.00]	1.29
	Religiosity	0.14**	[0.04~0.23]	1.18	0.19***	[0.10, 0.29]	1.18
	Analytic thinking	-0.16***	[-0.26~-0.07]	1.22	-0.19***	[-0.29, -0.10]	1.22
R ² / adj. R ²	0.10*** / 0.09***			0.15*** / 0.14***			
ΔR^2 / $\Delta adj.R^2$	0.02*** / 0.02***			0.04*** / 0.03***			
3	Age	0.05	[-0.05~0.15]	1.26	-0.02	[-0.12, 0.08]	1.29
	Gender	0.10*	[0.00~0.20]	1.19	0.10*	[0.01, 0.20]	1.19
	Education	-0.07	[-0.17~0.03]	1.29	-0.07	[-0.17, 0.03]	1.29
	Religiosity	0.09	[-0.00~0.19]	1.18	0.14**	[0.05, 0.23]	1.18
	Analytic thinking	-0.10	[-0.19~0.00]	1.22	-0.12*	[-0.22, -0.01]	1.22
	Scientific reasoning	-0.24***	[-0.34~-0.14]	1.26	-0.26***	[-0.36, -0.17]	1.26
	R ² / adj. R ²	0.15*** / 0.14***			0.21*** / 0.20***		
ΔR^2 / $\Delta adj.R^2$	0.05*** / 0.05***			0.06*** / 0.06***			
4	Age	0.08	[-0.02~0.18]	1.29	-0.00	[-0.10, 0.10]	1.29
	Gender	0.09	[-0.01~0.18]	1.19	0.10*	[0.00, 0.19]	1.19
	Education	-0.06	[-0.16~0.04]	1.29	-0.07	[-0.17, 0.03]	1.29
	Religiosity	0.07	[-0.02~0.17]	1.18	0.13**	[0.03, 0.22]	1.18
	Analytic thinking	-0.08	[-0.18~0.01]	1.22	-0.11*	[-0.20, -0.01]	1.22
	Scientific reasoning	-0.21***	[-0.30~-0.11]	1.26	-0.24***	[-0.33, -0.14]	1.26
	Bullshit receptivity	0.16**	[0.06~0.25]	1.21	0.12*	[0.03, 0.22]	1.21
	R ² / adj. R ²	0.17*** / 0.16***			0.22*** / 0.21***		
ΔR^2 / $\Delta adj.R^2$	0.04** / 0.02**			0.01* / 0.01*			

Note. Gender (1-men, 2-women); * $p < 0,05$, ** $p < 0,01$, *** $p < 0,001$

Table C Group statistics and independent samples t-tests by gender (male vs. female)

Variables	Gender	<i>M</i>	<i>SD</i>	<i>t</i>	<i>df</i>	<i>p</i>	Mean Diff	95% CI
Analytic thinking	Male	0.77	0.32	5.86	407	< .001	0.21	[0.14, 0.28]
	Female	0.56	0.41					
Scientific thinking	Male	0.79	0.19	3.74	407	< .001	0.07	[0.03, 0.11]
	Female	0.72	0.21					
Bullshit receptivity	Male	2.18	0.89	-3.60	407	< .001	-0.32	[-0.49, -0.14]
	Female	2.49	0.90					

Bullshit Receptivity was measured by the Slovak version of the Bullshit Receptivity Scale (Pennycook et al., 2015; Čavojská et al., 2019). The respondents judged 10 statements (e.g., the future explains irrational facts), which they rated on a 5-point scale (1 = *not at all profound*, 5 = *very much profound*).

Čavojská, V., Secară, E.-C., Jurkovič, M., & Šrol, J. (2019). Reception and willingness to share pseudo-profound bullshit and their relation to other epistemically suspect beliefs and cognitive ability in Slovakia and Romania. *Applied Cognitive Psychology*, 33(2). <https://doi.org/10.1002/acp.3486>

Pennycook, G., Cheyne, J. A. A., Barr, N., Koehler, D. J., & Fugelsang, J. A. (2015). On the reception and detection of pseudo-profound bullshit. *Judgment and Decision Making*, 10(6), 549–563. <https://doi.org/10.3389/fpsyg.2013.00279>