

Electronic Supplementary Material 1

Table E1.

Descriptive Statistics for the study variables for the high- and low-stake samples

Scale	Low-stake sample			High-stake sample		
	α	M	SD	α	M	SD
Machiavellianism	.80	31.89	5.94	.68	26.31	5.07
Narcissism	.83	28.59	5.66	.60	27.01	4.14
Psychopathy	.82	24.04	5.85	.65	14.63	3.91

Table E2.

Differential Item Functioning (DIF) results

Item	No. cat.	Uniform DIF	PseudoR ² Nonuniform DIF	McFadden Overall DIF	β1 change
Machiavellianism					
1 It's not wise to tell your secrets	5	.043	.019	.063	.844
2 Generally speaking, people won't work hard unless they have to	4	.011	.013	.024	.146
3 Whatever it takes, you must get the important people on your side	4	.000	.002	.002	.016
4 Avoid direct conflict with others because they may be useful in the future	5	.029	.010	.039	.243
5 It's wise to keep track of information that you can use against people later	5	.010	.004	.015	.034
6 You should wait for the right time to get back at people	4	.105	.050	.156	.070
7 There are things you should hide from other people because they don't need to know	5	.000	.000	.000	.001
8 Make sure your plans benefit you, not others	4	.039	.000	.040	.454
9 There's a sucker born every minute	4	.121	.021	.143	.164
10 Most people deserve respect	4	.126	.006	.133	.153
Narcissism					

1	People see me as a natural leader	5	.001	.008	.009	.014
2	I hate being the center of attention	5	.028	.010	.037	.173
3	Many group activities tend to be dull without me	5	.009	.001	.010	.050
4	I know that I am special because everyone keeps telling me so	5	.002	.002	.004	.019
5	I like to get acquainted with important people	5	.040	.011	.050	.235
6	I feel embarrassed if someone compliments me	4	.059	.047	.106	.462
7	I have been compared to famous people	5	.000	.000	.000	.007
8	I am an average person	3	.180	.005	.185	.034
9	I insist on getting the respect that I deserve	5	.082	.017	.099	.519
Psychopathy						
1	I like to get revenge on authorities	4	.016	.000	.016	.125
2	I avoid dangerous situations	4	.007	.037	.044	.341
3	Payback needs to be quick and nasty	3	.018	.028	.046	.129
4	People often say I'm out of control	3	.004	.000	.004	.085
5	It's true that I can be mean to others	4	.000	.003	.003	.017
6	People who mess with me always regret it	5	.004	.002	.006	.106
7	I have never gotten into trouble with the law	4	.000	.018	.018	.007
8	I like to pick on losers	3	.005	.002	.006	.059
9	I'll say anything to get what I want	4	.000	.000	.000	.017

<https://doi.org/10.1027/1614-0001/a000322>

Note. Flagged DIF items are marked in boldface (criteria for flagging items: Pseudo R2 McFadden $>.02$ or relative β_1 change $>.10$); No. cat. = number of response categories for each item; Uniform DIF: obtained by comparing the log likelihood values for Models 1 and 2; Non-uniform DIF: obtained by comparing the log likelihood values for Models 2 and 3; Overall DIF: obtained by comparing the log likelihood values for Models 1 and 3.

Table E3.

IRT parameters of the Short Dark Triad (SD3) items across low- and high-stake samples

Item	Group	a	b1	b2	b3	b4
Machiavellianism						
1	Low	0.94	-3.93	-1.65	-0.34	2.17
	High	0.03	-125.43	-76.88	-44.80	34.66
2	Low	1.39	-5.22	-1.40	-0.28	1.53
	High	0.61	-5.05	-1.67	-0.53	3.70
3	Low	1.61	-3.80	-1.37	-0.27	1.49
	High	1.02	-2.24	-0.44	0.98	2.92
4	Low	1.62	-3.22	-1.12	-0.08	1.54
	High	0.61	-4.60	-2.13	-0.53	3.16
5	Low	1.93	-2.58	-0.62	0.35	1.67
	High	1.96	-0.71	0.69	1.53	2.64
6	Low	1.03	-3.61	-0.13	1.38	3.30
	High	2.92	0.47	1.35	2.24	3.48
7	Low	1.62	-3.14	-0.79	0.15	1.61
	High	1.29	-1.45	0.05	1.07	3.06
8	Low	0.92	-7.33	-1.15	0.58	2.65
	High	0.76	-3.48	-1.52	-0.33	2.51
9	Low	0.80	-4.92	0.61	2.61	5.26
	High	1.64	0.52	2.12	3.17	4.05
10	Low	1.52	-3.39	-0.68	0.47	2.07
	High	0.73	-0.22	3.96	5.15	NA
Narcissism						
1	Low	1.18	-4.14	-0.73	0.70	2.60
	High	1.61	-1.41	-0.09	1.26	2.77
2	Low	1.40	-3.70	-0.93	0.38	1.83
	High	0.63	-5.84	-2.70	0.08	3.30
3	Low	0.94	-4.40	-0.77	0.77	2.72
	High	1.23	-1.96	0.34	1.68	4.21
4	Low	2.29	-2.29	-0.45	0.64	2.03
	High	2.00	-1.60	0.05	1.14	2.71
5	Low	1.20	-4.50	-1.54	-0.27	1.67
	High	0.60	-6.47	-4.52	-2.07	2.81
6	Low	1.41	-4.42	-1.38	-0.04	1.61
	High	0.04	-152.63	-67.07	-30.10	26.25
7	Low	1.70	-2.97	-0.66	0.54	1.97
	High	1.22	-2.04	0.00	1.20	3.48
8	Low	1.43	-4.14	-0.78	0.57	2.28
	High	0.66	-0.60	4.14	5.21	8.57
9	Low	1.53	-3.33	-0.71	0.51	2.05
	High	0.37	-8.39	-4.81	-2.43	3.44

Psychopathy

1	Low	1.33	-2.72	-0.07	1.36	3.48
	High	1.81	0.64	2.41	2.94	3.49
2	Low	1.35	NA	-0.90	0.38	2.09
	High	0.23	-6.59	0.31	3.50	9.86
3	Low	1.17	-2.25	0.47	1.69	3.27
	High	3.58	0.88	2.01	NA	NA
4	Low	1.66	-1.49	0.46	1.41	2.77
	High	2.63	0.47	2.02	3.05	3.39
5	Low	1.09	-2.23	0.15	1.24	2.75
	High	2.37	0.27	1.76	2.10	3.00
6	Low	1.42	-2.19	0.35	1.47	2.97
	High	1.66	0.07	1.63	2.39	3.25
7	Low	1.68	NA	-0.31	0.75	1.95
	High	0.65	0.94	2.66	3.04	3.87
8	Low	1.87	-1.74	0.51	1.52	2.65
	High	2.81	0.81	2.24	5.52	2.70
9	Low	1.38	-1.92	-0.14	0.97	2.59
	High	2.09	0.30	1.69	2.53	3.24

Note. *a* = item discrimination; *b* = item severity; NA = category threshold is not applicable because there were no observations in one of the response categories.

Table E4.

IRT slope-intercept parameters of the Short Dark Triad (SD3) items across low- and high-stake samples

Item	Group	a1	d1	d2	d3	d4
Machiavellianism						
1	Low	0.94	3.71	1.56	0.32	-2.04
	High	0.03	3.38	2.07	1.21	-0.94
2	Low	1.39	7.26	1.94	0.38	-2.12
	High	0.61	3.08	1.01	0.32	-2.30
3	Low	1.61	6.14	2.22	0.44	-2.40
	High	1.02	2.29	0.45	-1.01	-2.99
4	Low	1.62	5.21	1.81	0.13	-2.50
	High	0.61	2.81	1.30	0.33	-1.93
5	Low	1.93	4.98	1.19	-0.67	-3.21
	High	1.96	1.39	-1.36	-2.99	-5.14
6	Low	1.03	3.70	0.13	-1.41	-3.39
	High	2.92	-1.37	-3.93	-6.53	-10.17
7	Low	1.62	5.09	1.29	-0.24	-2.61
	High	1.29	1.87	-0.07	-1.38	-3.96
8	Low	0.92	6.76	1.06	-0.53	-2.45
	High	0.76	2.65	1.16	0.25	-1.91
9	Low	0.80	3.93	-0.48	-2.09	-4.20
	High	1.64	-0.85	-3.48	-5.20	-6.63
10	Low	1.52	5.16	1.04	-0.71	-3.15
	High	0.73	0.16	-2.61	-3.73	NA
Narcissism						
1	Low	1.18	4.89	0.86	-0.82	-3.07
	High	1.61	2.26	0.15	-2.02	-4.45
2	Low	1.40	5.16	1.29	-0.54	-2.56
	High	0.63	3.68	1.70	-0.05	-2.08
3	Low	0.94	4.12	0.72	-0.72	-2.55
	High	1.23	2.41	-0.42	-2.07	-5.18
4	Low	2.29	5.25	1.02	-1.46	-4.66
	High	2.00	3.21	-0.09	-2.28	-5.42
5	Low	1.20	5.42	1.86	0.33	-2.01
	High	0.58	3.75	2.62	1.20	-1.63
6	Low	1.41	6.24	1.95	0.06	-2.27
	High	0.04	6.12	2.69	1.21	-1.05
7	Low	1.70	5.04	1.12	-0.91	-3.34
	High	1.22	2.49	0.00	-1.47	-4.24
8	Low	1.43	5.94	1.12	-0.82	-3.27
	High	0.66	0.39	-2.63	-3.42	-5.62

9	Low	1.53	5.09	1.09	-0.78	-3.14
	High	0.37	3.14	1.80	0.91	-1.29
Psychopathy						
1	Low	1.33	3.62	0.09	-1.80	-4.62
	High	1.81	-1.15	-4.36	-5.31	-6.30
2	Low	1.35	NA	1.21	-0.52	-2.82
	High	0.23	1.53	-0.07	-0.82	-2.29
3	Low	1.17	2.64	-0.55	-1.98	-3.83
	High	3.58	-3.14	-7.21	NA	NA
4	Low	1.66	2.48	-0.77	-2.34	-4.60
	High	2.63	-1.22	-5.30	-8.01	-8.92
5	Low	1.09	2.43	-0.16	-1.35	-3.00
	High	2.37	-0.64	-4.17	-4.99	-7.12
6	Low	1.42	3.12	-0.50	-2.09	-4.22
	High	1.66	-0.11	-2.71	-3.97	-5.41
7	Low	1.68	NA	0.52	-1.19	-3.28
	High	0.65	-0.61	-1.73	-1.98	-2.52
8	Low	1.87	3.25	-0.96	-2.84	-5.96
	High	2.81	-2.28	-6.29	-7.09	-7.60
9	Low	1.38	2.64	0.19	-1.33	-3.57
	High	2.09	-0.63	-3.52	-5.28	-6.76

Note. a1 = item discrimination; d = deviation parameter; NA = category threshold is not applicable because there were no observations in one of the response categories

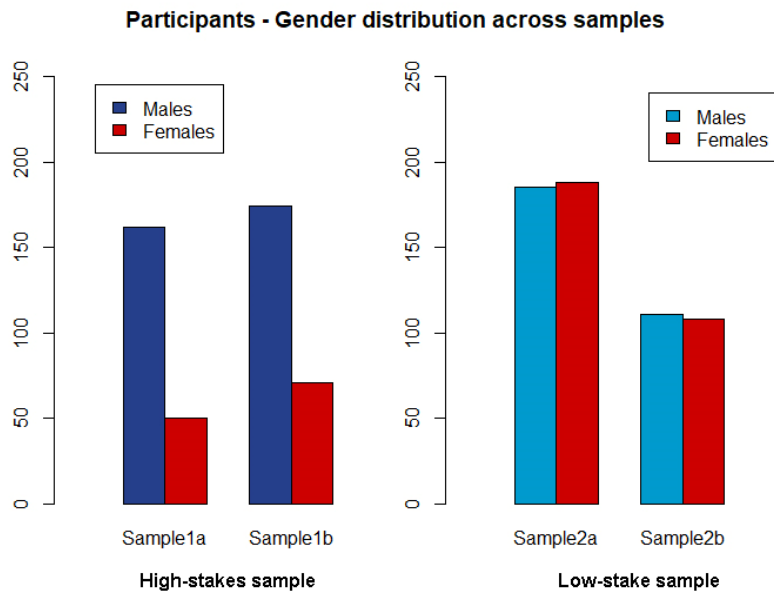


Figure E1. *Gender distribution across samples*

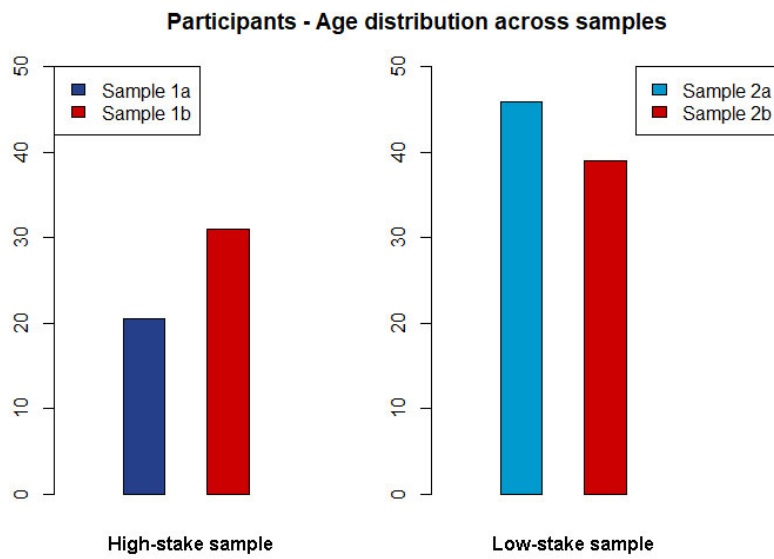


Figure E2. *Age distribution across samples*

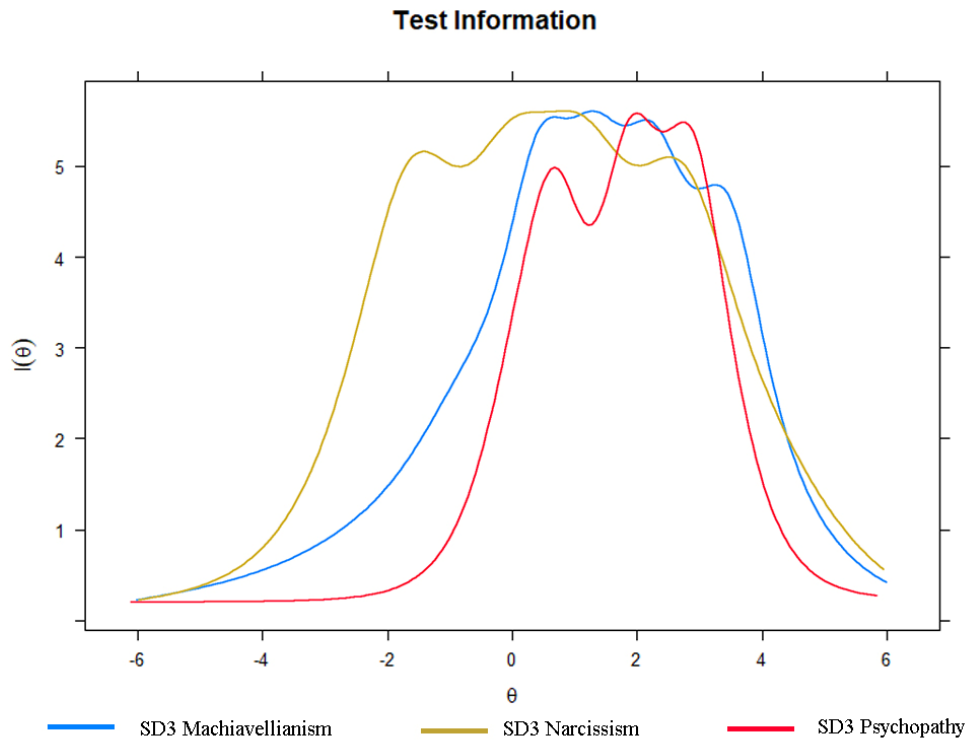


Figure E3. *Scale Information Curve for SD3 traits - High-stake sample*

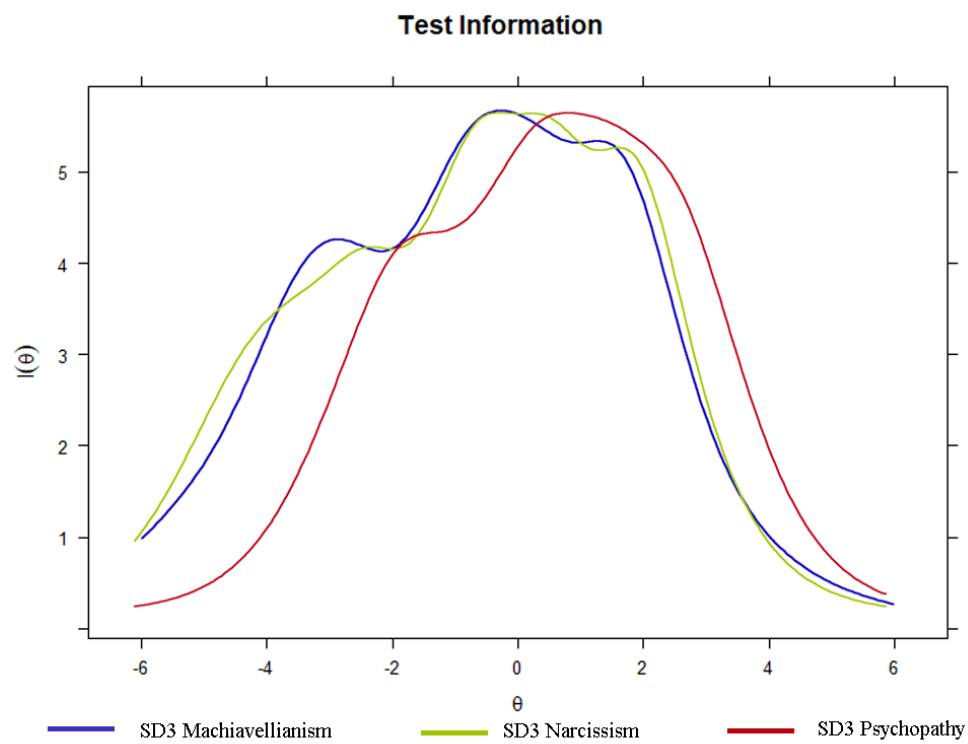


Figure E4. *Scale Information Curve for SD3 traits - Low-stake sample*

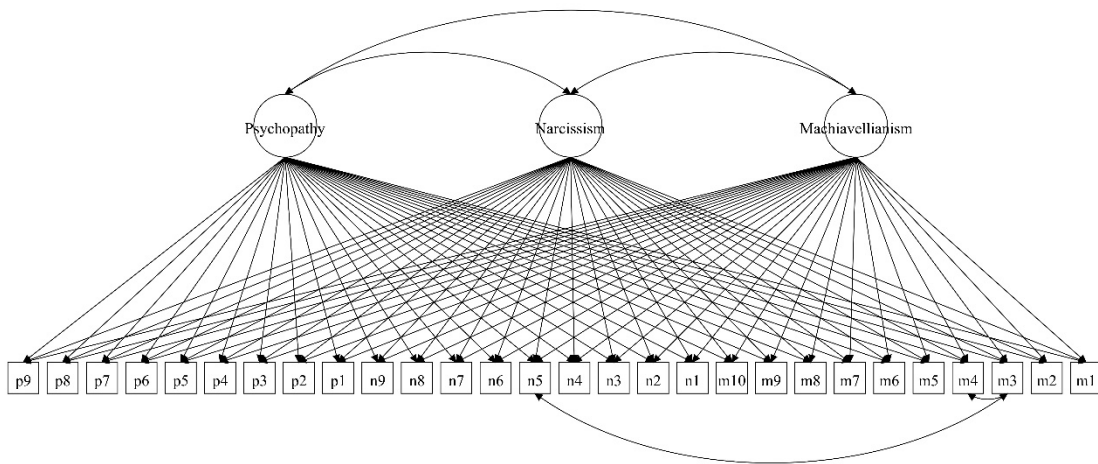


Figure E5. *The revised exploratory structural equation model of SD3 for the high-stake group*

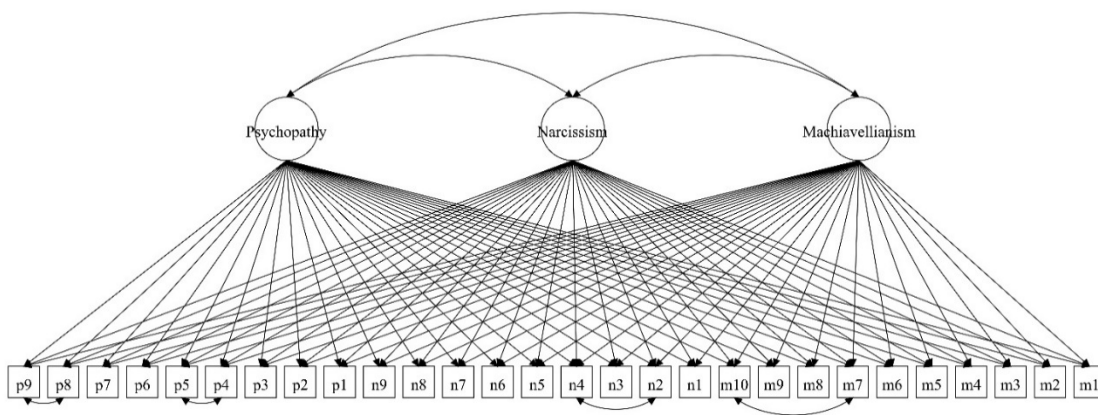


Figure E6. *The revised exploratory structural equation model of SD3 for the low-stake group*