

CFA Findings for each Instrument

DIAMONDS FIT:

lavaan (0.5-20) converged normally after 78 iterations

Number of observations	522
Estimator	ML
Minimum Function Test Statistic	1385.325
Degrees of freedom	436
P-value (Chi-square)	0.000

Model test baseline model:

Minimum Function Test Statistic	13373.963
Degrees of freedom	496
P-value	0.000

User model versus baseline model:

Comparative Fit Index (CFI)	0.926
Tucker-Lewis Index (TLI)	0.916

Loglikelihood and Information Criteria:

Loglikelihood user model (H0)	-21366.205
Loglikelihood unrestricted model (H1)	-20673.542
Number of free parameters	92
Akaike (AIC)	42916.410
Bayesian (BIC)	43308.115
Sample-size adjusted Bayesian (BIC)	43016.086

Root Mean Square Error of Approximation:

RMSEA	0.065
90 Percent Confidence Interval	0.061 0.068
P-value RMSEA <= 0.05	0.000

Standardized Root Mean Square Residual:

SRMR	0.073
------	-------

Parameter Estimates:

Information Standard Errors	Expected Standard
--------------------------------	----------------------

Latent Variables:

	Estimate	Std.Err	Z-value	P(> z)	Std.lv	Std.all
Duty ==~						
dut1	1.000				1.212	0.784
dut2	0.972	0.051	19.096	0.000	1.179	0.785
dut3	0.945	0.047	19.922	0.000	1.146	0.813
dut4	1.051	0.048	21.893	0.000	1.274	0.882
Intel ==~						
int1	1.000				1.180	0.863
int2	1.057	0.038	27.530	0.000	1.248	0.916
int3	0.888	0.041	21.482	0.000	1.048	0.778
int4	0.583	0.047	12.471	0.000	0.689	0.520
AdvD ==~						
adv1	1.000				0.846	0.836
adv2	1.007	0.036	28.175	0.000	0.852	0.924
adv3	0.987	0.036	27.067	0.000	0.835	0.903
adv4	1.063	0.040	26.615	0.000	0.899	0.894
Mate ==~						
mat1	1.000				0.926	0.878
mat2	1.156	0.056	20.816	0.000	1.070	0.749
mat3	1.094	0.038	29.134	0.000	1.013	0.910
mat4	1.060	0.048	22.092	0.000	0.982	0.777
Pos ==~						
pos1	1.000				0.801	0.640
pos2	1.508	0.097	15.522	0.000	1.208	0.885
pos3	1.407	0.092	15.238	0.000	1.126	0.838
pos4	0.508	0.069	7.340	0.000	0.407	0.353
Neg ==~						
neg1	1.000				0.999	0.814
neg2	1.036	0.043	24.021	0.000	1.036	0.880
neg3	1.155	0.048	24.290	0.000	1.154	0.887
neg4	1.040	0.046	22.562	0.000	1.039	0.842
Dec ==~						
dec_1	1.000				0.961	0.852
dec_2	1.064	0.035	30.098	0.000	1.022	0.940

CAPTION and DIAMONDS (Study 6): Manifest Intercorrelations

	DUTY	INTELLECT	MATING	ADVERSITY.D	POSITIVITY	NEGATIVITY	DECEPTION	SOCIALITY	COMPLEXITY	ADVERSITY	POS.VALENCE	TYPICALITY	IMPORTANCE	HUMOR	NEG.VALENCE	
DUTY	1.00	0.63	0.14	0.30	-0.02	0.40	0.33	0.24	0.48	0.51	0.04	0.12	0.55	0.07	0.26	
INTELLECT	0.63	1.00	0.41	0.43	0.22	0.45	0.48	0.39	0.66	0.43	0.24	0.03	0.43	0.24	0.36	
MATING	0.14	0.41	1.00	0.65	0.41	0.35	0.52	0.47	0.34	0.26	0.46	0.05	0.21	0.53	0.53	
ADVERSITY.D	0.30	0.43	0.65	1.00	0.18	0.58	0.69	0.36	0.45	0.49	0.28	0.04	0.19	0.50	0.70	
POSITIVITY	-0.02	0.22	0.41	0.18	1.00	0.08	0.18	0.47	0.17	-0.06	0.58	0.03	0.17	0.49	0.14	
NEGATIVITY	0.40	0.45	0.35	0.58	0.08	1.00	0.70	0.30	0.48	0.70	0.04	0.02	0.22	0.30	0.46	
DECEPTION	0.33	0.48	0.52	0.69	0.18	0.70	1.00	0.37	0.47	0.53	0.21	0.05	0.21	0.43	0.58	
SOCIALITY	0.24	0.39	0.47	0.36	0.47	0.30	0.37	1.00	0.31	0.24	0.43	0.03	0.29	0.39	0.24	
COMPLEXITY	0.48	0.66	0.34	0.45	0.17	0.48	0.47	0.31	1.00	0.51	0.23	0.04	0.43	0.30	0.43	
ADVERSITY	0.51	0.43	0.26	0.49	-0.06	0.70	0.53	0.24	0.51	1.00	-0.02	0.02	0.27	0.25	0.48	
POS.VALENCE	0.04	0.24	0.46	0.28	0.58	0.04	0.21	0.43	0.23	-0.02	1.00	-0.02	0.33	0.61	0.30	
TYPICALITY	0.12	0.03	0.05	0.04	0.03	0.02	0.05	0.03	0.04	0.02	-0.02	1.00	0.21	0.07	0.08	
IMPORTANCE	0.55	0.43	0.21	0.19	0.17	0.22	0.21	0.29	0.43	0.27	0.33	0.21	1.00	0.14	0.15	
HUMOR	0.07	0.24	0.53	0.50	0.49	0.30	0.43	0.39	0.30	0.25	0.61	0.07	0.14	1.00	0.56	
NEG.VALENCE	0.26	0.36	0.53	0.70	0.14	0.46	0.58	0.24	0.43	0.48	0.30	0.08	0.15	0.56	1.00	

CAPTION and DIAMONDS (Study 6): Latent Intercorrelations, Method Factors also Modeled

lavaan (0.5-20) converged normally after 371 iterations

	Used	Total
Number of observations	518	522
Estimator	ML	
Minimum Function Test Statistic	11397.021	
Degrees of freedom	4841	
P-value (Chi-square)	0.000	

Model test baseline model:

Minimum Function Test Statistic	62162.871
Degrees of freedom	5151
P-value	0.000

User model versus baseline model:

Comparative Fit Index (CFI)	0.885
Tucker-Lewis Index (TLI)	0.878

Loglikelihood and Information Criteria:

Loglikelihood user model (H0)	-59208.900
Loglikelihood unrestricted model (H1)	-53510.390
Number of free parameters	412
Akaike (AIC)	119241.800
Bayesian (BIC)	120992.790
Sample-size adjusted Bayesian (BIC)	119685.020

Root Mean Square Error of Approximation:

RMSEA	0.051
90 Percent Confidence Interval	0.050 - 0.052
P-value RMSEA <= 0.05	0.063

Standardized Root Mean Square Residual:

SRMR	0.050
------	-------

Parameter Estimates:

	Information	Expected
	Standard Errors	Standard
Latent Variables:		
	Estimate	Std.Err
Duty ==		Z-value
dut1	1.000	
dut2	0.943	0.050
dut3	0.937	0.047
dut4	1.030	0.047
Intel ==		P(> z)
int1	1.000	
int2	1.014	0.036
int3	0.781	0.039
int4	0.445	0.044
AdvD ==		Std.lv
adv1	1.000	
adv2	1.057	0.062
adv3	1.051	0.064
adv4	1.059	0.067
Mate ==		Std.all
mat1	1.000	
mat2	1.105	0.096
mat3	1.125	0.070
mat4	1.016	0.083
Pos ==		
pos1	1.000	
pos2	1.109	0.079
pos3	1.048	0.076
pos4	0.569	0.070
Neg ==		
neg1	1.000	
neg2	0.960	0.049
neg3	1.150	0.056
neg4	1.079	0.055
Dec ==		
dec_1	1.000	
dec_2	1.044	0.051
dec_3	0.960	0.055

nutty	3.442	0.741	4.649	0.000	0.930	0.773
wacky	3.299	0.710	4.649	0.000	0.891	0.759
mischiev	3.313	0.710	4.670	0.000	0.895	0.751
crazy	3.554	0.754	4.712	0.000	0.960	0.796
juvenile	3.815	0.799	4.774	0.000	1.030	0.933
immature	3.951	0.827	4.776	0.000	1.067	0.946
childish	3.807	0.800	4.760	0.000	1.028	0.901
vile	1.995	0.418	4.776	0.000	0.539	0.540
inhumane	1.885	0.392	4.813	0.000	0.509	0.552
sinister	1.948	0.403	4.833	0.000	0.526	0.572
creepy	2.005	0.414	4.846	0.000	0.541	0.599
repulsiv	1.898	0.394	4.817	0.000	0.513	0.551
despicab	1.925	0.397	4.844	0.000	0.520	0.584
maliciou	1.979	0.409	4.843	0.000	0.534	0.576
grotesqu	2.117	0.439	4.827	0.000	0.572	0.583
sleazy	2.082	0.430	4.844	0.000	0.562	0.608
cruel	1.977	0.409	4.833	0.000	0.534	0.585

Covariances:

	Estimate	Std.Err	Z-value	P(> z)	Std.lv	Std.all
Duty ~~ G1	0.000				0.000	0.000
Intel ~~ G1	0.000				0.000	0.000
AdvD ~~ G1	0.000				0.000	0.000
Mate ~~ G1	0.000				0.000	0.000
Pos ~~ G1	0.000				0.000	0.000
Neg ~~ G1	0.000				0.000	0.000
Dec ~~ G1	0.000				0.000	0.000
Soc ~~ G1	0.000				0.000	0.000
Complex ~~ G1	0.000				0.000	0.000
AdvcC ~~ G1	0.000				0.000	0.000
PosVal ~~ G1	0.000				0.000	0.000
Typic ~~ G1	0.000				0.000	0.000
Import ~~ G1	0.000				0.000	0.000
Humor ~~ G1	0.000				0.000	0.000
NegVal ~~ G1	0.000				0.000	0.000
Duty ~~ G2	0.000				0.000	0.000
Intel ~~ G2	0.000				0.000	0.000
AdvD ~~ G2	0.000				0.000	0.000
Mate ~~ G2	0.000				0.000	0.000
Pos ~~ G2	0.000				0.000	0.000
Neg ~~ G2	0.000				0.000	0.000
Dec ~~ G2	0.000				0.000	0.000
Soc ~~ G2	0.000				0.000	0.000
Complex ~~ G2	0.000				0.000	0.000
AdvcC ~~ G2	0.000				0.000	0.000
PosVal ~~ G2	0.000				0.000	0.000
Typic ~~ G2	0.000				0.000	0.000
Import ~~ G2	0.000				0.000	0.000
Humor ~~ G2	0.000				0.000	0.000
NegVal ~~ G2	0.000				0.000	0.000
Duty ~~ Intel	1.085	0.096	11.270	0.000	0.743	0.743
Advd	0.185	0.043	4.361	0.000	0.278	0.278
Mate	0.032	0.046	0.706	0.480	0.044	0.044
Pos	-0.159	0.057	-2.786	0.005	-0.159	-0.159

