

Validation of the Five Facet Mindfulness Questionnaire-Bangla through Classical Test Theory and Item Response Theory

Supplementary Materials

Scoring:

(Note: R = reverse-scored item)

Facet	Score
Observe	01+03+08+10+13+18+23+28
Describe	04+19+24+29
Act with awareness	02R+05R+09R+11R+15R+20R+26R
Non-judge	07R+17R+22R+27R
Non-react	06+12+14+16+21+25

Supplementary Tables

Table S1

Item fit Statistics for revised models with 37 items. Items 12 and 16 indicated misfit (RMSEA>.06) thus discarded.

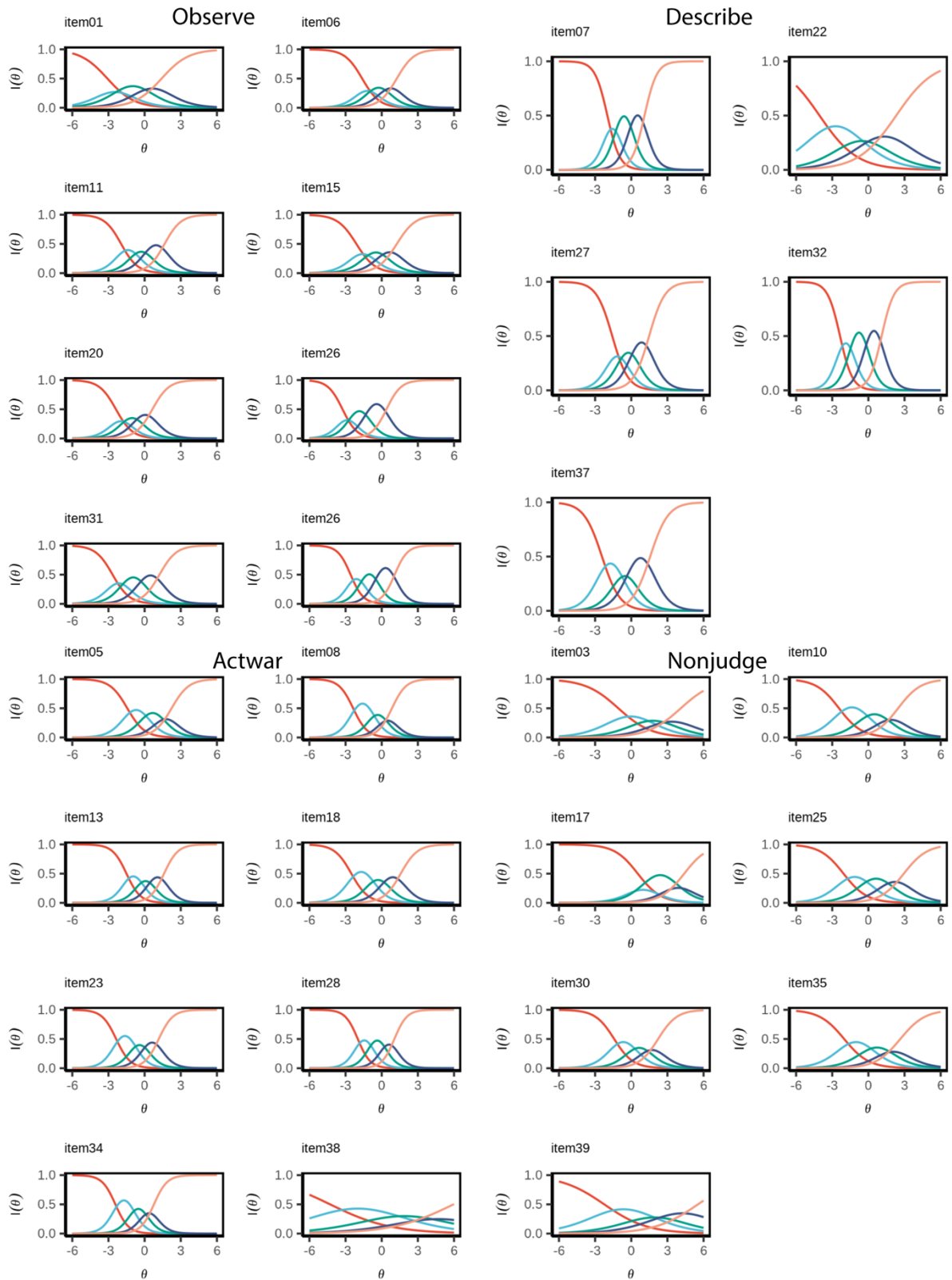
Items	S- χ^2	df	RMSEA	p	Items	S- χ^2	df	RMSEA	p
Observe					Ritem28	129.65	52.00	0.05	<0.001
item1	95.75	65.00	0.03	0.01	Ritem34	79.43	49.00	0.03	<0.001
item6	114.68	60.00	0.04	<0.001	Ritem38	162.79	76.00	0.05	<0.001
item11	146.39	55.00	0.06	<0.001	Nonjudge				
item15	135.62	59.00	0.05	<0.001	Ritem3	55.27	49.00	0.02	<0.001
item20	115.41	57.00	0.04	<0.001	Ritem10	51.56	43.00	0.02	<0.001
item26	91.58	41.00	0.05	<0.001	Ritem17	77.08	36.00	0.05	0.25
item31	75.78	53.00	0.03	0.02	Ritem25	75.81	45.00	0.04	0.17
item36	89.56	41.00	0.05	<0.001	Ritem30	97.86	45.00	0.05	<0.001
Describe					Ritem35	75.15	46.00	0.03	<0.001
item7	108.82	54.00	0.04	<0.001	Ritem39	75.74	48.00	0.03	<0.001
Ritem12	164.36	47.00	0.07	<0.001	Nonreact				
Ritem16	124.05	41.00	0.07	<0.001	item4	109.15	52.00	0.05	<0.001
Ritem22	78.29	45.00	0.04	<0.001	item9	85.58	52.00	0.03	0.01
item27	105.94	58.00	0.04	<0.001	item19	94.79	46.00	0.04	<0.001
item32	89.41	52.00	0.04	<0.001	item21	106.25	48.00	0.05	<0.001
item37	108.86	57.00	0.04	<0.001	item24	110.44	44.00	0.05	<0.001
Actaware					item29	102.82	47.00	0.05	<0.001
Ritem5	117.53	56.00	0.05	<0.001	item33	101.75	51.00	0.04	<0.001
Ritem8	150.42	55.00	0.06	<0.001					
Ritem13	108.42	55.00	0.04	<0.001					
Ritem18	91.73	58.00	0.03	<0.001					
Ritem23	96.69	51.00	0.04	<0.001					

Table S2

Item fit, item discrimination (a) and item difficulty parameters(b₁-b₄) of retained 35-items. Items 38 & 39 were outside the suggested limit of item discrimination.

	a	b1	b2	b3	b4	S-X2	df	RMSEA	p
Observe									
item1	0.90	-3.09	-1.85	-0.12	1.41	95.75	65.00	0.03	0.01
item6	1.39	-1.62	-0.77	0.26	1.25	114.68	60.00	0.04	<0.001
item11	1.47	-1.95	-0.81	0.24	1.66	146.39	55.00	0.06	<0.001
item15	1.29	-2.10	-1.06	0.09	1.25	135.62	59.00	0.05	<0.001
item20	1.45	-2.38	-1.54	-0.53	0.65	115.41	57.00	0.04	<0.001
item26	1.66	-3.25	-2.47	-1.24	0.39	91.58	41.00	0.05	<0.001
item31	1.43	-2.66	-1.63	-0.26	1.23	75.78	53.00	0.03	0.02
item36	1.89	-2.58	-1.62	-0.44	1.07	89.56	41.00	0.05	<0.001
Describe									
item7	1.94	-1.98	-1.16	-0.04	1.10	75.91	29.00	0.06	<0.001
Ritem22	0.64	-4.05	-1.39	0.32	2.31	97.17	40.00	0.05	<0.001
item27	1.52	-1.58	-0.72	0.23	1.48	32.76	34.00	0.00	0.53
item32	1.94	-2.35	-1.39	-0.17	1.10	69.01	28.00	0.05	<0.001
item37	1.33	-2.43	-1.03	-0.03	1.57	76.21	35.00	0.05	<0.001
Actaware									
Ritem5	1.40	-1.44	0.03	1.31	2.24	117.53	56.00	0.05	<0.001
Ritem8	1.70	-2.37	-0.81	0.15	0.85	150.42	55.00	0.06	<0.001
Ritem13	1.73	-1.50	-0.38	0.53	1.61	108.42	55.00	0.04	<0.001
Ritem18	1.44	-2.52	-0.88	0.27	1.57	91.73	58.00	0.03	<0.001
Ritem23	1.71	-2.36	-0.91	0.07	1.17	96.69	51.00	0.04	<0.001
Ritem28	1.93	-1.99	-0.91	0.16	1.05	129.65	52.00	0.05	<0.001
Ritem34	1.82	-2.43	-1.01	-0.02	0.77	79.43	49.00	0.03	<0.001
Ritem38	0.40	-4.28	0.31	3.41	5.95	162.79	76.00	0.05	<0.001
Nonjudge									
Ritem3	0.73	-1.07	0.99	2.59	4.11	55.27	49.00	0.02	0.25
Ritem10	1.06	-2.44	-0.29	1.29	2.47	51.56	43.00	0.02	0.17
Ritem17	1.04	0.54	1.41	3.39	4.39	77.08	36.00	0.05	<0.001
Ritem25	1.03	-2.06	-0.22	1.49	2.94	75.81	45.00	0.04	<0.001
Ritem30	1.28	-1.42	0.09	1.22	2.23	97.86	45.00	0.05	<0.001
Ritem35	0.98	-2.01	-0.04	1.47	2.65	75.15	46.00	0.03	<0.001
Ritem39	0.56	-2.24	0.92	2.95	5.53	75.74	48.00	0.03	0.01
Nonreact									
item4	0.82	-3.30	-1.97	0.14	2.28	109.15	52.00	0.05	<0.001
item9	0.97	-2.92	-1.42	0.07	2.04	85.58	52.00	0.03	<0.001
item19	1.10	-3.30	-2.16	-0.67	1.33	94.79	46.00	0.04	<0.001
item21	1.18	-2.36	-1.16	0.05	1.82	106.25	48.00	0.05	<0.001
item24	1.56	-2.06	-1.08	-0.05	1.49	110.44	44.00	0.05	<0.001
item29	0.99	-2.90	-1.15	0.71	3.07	102.82	47.00	0.05	<0.001
item33	1.05	-2.87	-1.39	0.37	2.31	101.75	51.00	0.04	<0.001

Supplementary Figures



S.Fig.1 Option Characteristics curve

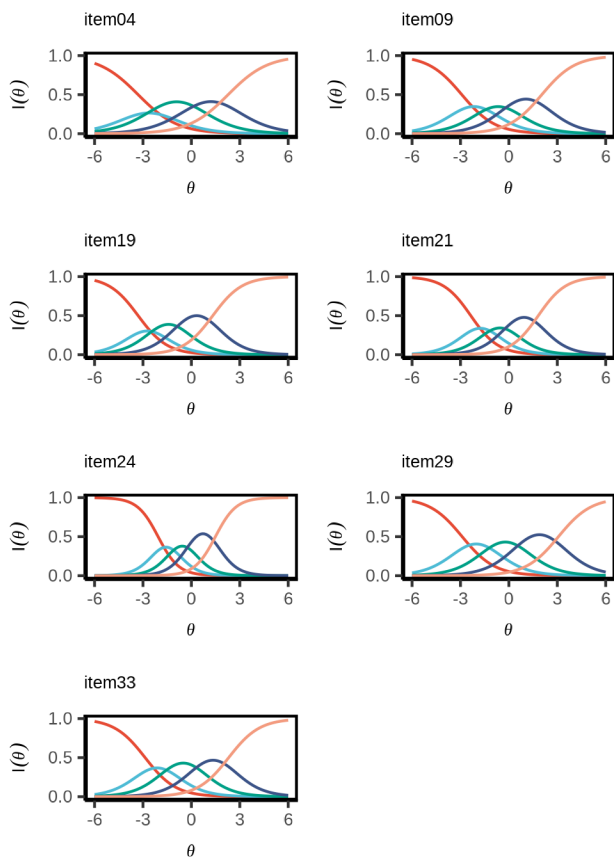


Fig. S1 Option Characteristics curve (Continued)