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Appendix A: Content Validation: Baslanti and McCoach

An important phase in the development of any instrument is that of content validation. By offering your expertise, you are contributing to the development of an instrument that is content valid. Your assistance in this phase of instrument development is sincerely appreciated. Thanks in advance for your time and help.

Instructions: Each of the following items is being considered for inclusion in a new underachievement inventory that Ugur Baslanti and Betsy McCoach are developing. You will be providing three ratings for each item. The conceptual definitions of the constructs these items are supposed to reflect are listed below. The rating tasks are listed on the next page.

Construct	Conceptual definition
I Alienation	This factor measures the degree to which students feel alienated, alone, and unhappy at school.
II Negative academic self-perception	This factor measures students' negative perceptions about their academic/scholastic ability
III Negative attitudes toward teachers and school	This factor measures the degree to which students feel negatively about school, classes, and teachers
IV Low motivation/self-regulation	This factor measures students' negative perceptions about their ability to regulate effort to complete academic tasks effectively
V Low goal valuation	This factor measures the degree to which students report not caring about school or grades and not valuing the goals of school
VI None of the above	If an item does not fit into any of the categories, then

Rating Tasks

Please detach this sheet for use as a reference in examining the proposed item stems. You will rate each item stem in regard to the following aspects:

A. Category

Please indicate the construct that each item best fits into by circling the appropriate numeral. (Items not fitting any category should be placed in Category VI)

- I. Alienation
- II. Negative Academic Self-Perceptions
- III. Negative Attitudes Toward Teachers/School
- IV. Low Motivation/self-regulation
- V. Low Goal Valuation

B. Certainty

Please indicate how certain you feel about your placement of the item into the construct by circling the appropriate number as follows:

1. Completely Unsure
2. Unsure
3. Pretty Sure
4. Very Sure

C. Relevance

Please indicate how relevant you feel each item is to the construct.

1. Completely Irrelevant
2. Somewhat Relevant
3. Highly Relevant

Please Note:

Feel free to write comments regarding item stems directly on the stem. (These comments could regard suggested changes in wording or if you feel the item should be eliminated).

Item	Category	Certainty	Relevance
1. Getting A's is very difficult for me	I II III IV V VI	1 2 3 4	1 2 3
2. I feel alienated at school	I II III IV V VI	1 2 3 4	1 2 3
3. I am not motivated to study for exams	I II III IV V VI	1 2 3 4	1 2 3
4. I dislike my courses	I II III IV V VI	1 2 3 4	1 2 3
5. School is of no value to me	I II III IV V VI	1 2 3 4	1 2 3
6. I wish that I went to a different school	I II III IV V VI	1 2 3 4	1 2 3
7. I feel socially isolated at school	I II III IV V VI	1 2 3 4	1 2 3
8. I put forth minimal effort on my schoolwork	I II III IV V VI	1 2 3 4	1 2 3
9. Most teachers here are poor teachers	I II III IV V VI	1 2 3 4	1 2 3
10. I do not feel like I belong at this school	I II III IV V VI	1 2 3 4	1 2 3
11. I have trouble keeping track of my assignments	I II III IV V VI	1 2 3 4	1 2 3
12. I hate school	I II III IV V VI	1 2 3 4	1 2 3
13. I feel powerless at school	I II III IV V VI	1 2 3 4	1 2 3
14. I have trouble keeping track of my school supplies	I II III IV V VI	1 2 3 4	1 2 3
15. People say that I am a lazy student	I II III IV V VI	1 2 3 4	1 2 3
16. Nobody at this school cares about me	I II III IV V VI	1 2 3 4	1 2 3
17. I feel depressed when I am at school	I II III IV V VI	1 2 3 4	1 2 3
18. I am much happier when I am not in school	I II III IV V VI	1 2 3 4	1 2 3
19. I withdraw at school	I II III IV V VI	1 2 3 4	1 2 3
20. People think that I am smarter than I actually am	I II III IV V VI	1 2 3 4	1 2 3
21. I have problems in concentrating on my schoolwork	I II III IV V VI	1 2 3 4	1 2 3
22. My teachers have negative attitudes toward me	I II III IV V VI	1 2 3 4	1 2 3
23. I have no plans for the future	I II III IV V VI	1 2 3 4	1 2 3
24. I am unable to do well in school	I II III IV V VI	1 2 3 4	1 2 3
25. I feel alone at school	I II III IV V VI	1 2 3 4	1 2 3
26. I have problems with time management	I II III IV V VI	1 2 3 4	1 2 3
27. My teachers' grading practices are not fair	I II III IV V VI	1 2 3 4	1 2 3
28. I do not care how I do at school	I II III IV V VI	1 2 3 4	1 2 3
29. I need help to do assignments	I II III IV V VI	1 2 3 4	1 2 3
30. No one at school understands me	I II III IV V VI	1 2 3 4	1 2 3
31. I hate the way courses are taught at this school	I II III IV V VI	1 2 3 4	1 2 3
32. I have problems staying organized	I II III IV V VI	1 2 3 4	1 2 3
33. Grades do not mean anything to me	I II III IV V VI	1 2 3 4	1 2 3
34. I mostly keep to myself at school	I II III IV V VI	1 2 3 4	1 2 3
35. I need help to understand many topics in my classes	I II III IV V VI	1 2 3 4	1 2 3
36. I do not know how to study effectively	I II III IV V VI	1 2 3 4	1 2 3
37. I have bad relationships with my teachers	I II III IV V VI	1 2 3 4	1 2 3
38. I see no purpose to school	I II III IV V VI	1 2 3 4	1 2 3

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Item	Category						Certainty				Relevance		
	I	II	III	IV	V	VI	1	2	3	4	1	2	3
39. I am not as smart as most other students in my classes	I	II	III	IV	V	VI	1	2	3	4	1	2	3
40. I am quiet at school	I	II	III	IV	V	VI	1	2	3	4	1	2	3
41. I have trouble concentrating on my schoolwork	I	II	III	IV	V	VI	1	2	3	4	1	2	3
42. My teachers do not expect much from me	I	II	III	IV	V	VI	1	2	3	4	1	2	3
43. My classes are pointless	I	II	III	IV	V	VI	1	2	3	4	1	2	3
44. I am a passive learner at school	I	II	III	IV	V	VI	1	2	3	4	1	2	3
45. I consider myself an academic failure	I	II	III	IV	V	VI	1	2	3	4	1	2	3
46. I dislike my teachers	I	II	III	IV	V	VI	1	2	3	4	1	2	3
47. I procrastinate when it comes to schoolwork	I	II	III	IV	V	VI	1	2	3	4	1	2	3
48. School is useless	I	II	III	IV	V	VI	1	2	3	4	1	2	3
49. I cannot seem to get good grades in school	I	II	III	IV	V	VI	1	2	3	4	1	2	3
50. I feel discriminated against at school	I	II	III	IV	V	VI	1	2	3	4	1	2	3
51. I do not have regular study routines	I	II	III	IV	V	VI	1	2	3	4	1	2	3
52. Most teachers here are not very bright	I	II	III	IV	V	VI	1	2	3	4	1	2	3
53. School will not help me with my future plans	I	II	III	IV	V	VI	1	2	3	4	1	2	3
54. I do not feel like I am part of the school community	I	II	III	IV	V	VI	1	2	3	4	1	2	3
55. I am not smart in school	I	II	III	IV	V	VI	1	2	3	4	1	2	3
56. I have poor study habits	I	II	III	IV	V	VI	1	2	3	4	1	2	3
57. Most teachers here are ineffective	I	II	III	IV	V	VI	1	2	3	4	1	2	3

Appendix B: Full AMOS Output for CFA Example (Chapter 4)

Notes for Model (With no correlated errors)

Computation of degrees of freedom (With no correlated errors)

Number of distinct sample moments	171
Number of distinct parameters to be estimated	37
Degrees of freedom (171– 37)	134

Result (With no correlated errors)

Minimum was achieved

Chi-square = 635.481

Degrees of freedom = 134

Probability level = 0.000

Estimates (Group number 1—With no correlated errors)

Scalar estimates (Group number 1—With no correlated errors)

Maximum likelihood Estimates

Regression weights (Group number 1—With no correlated errors)

			Estimate	S.E.	C.R.	P	Label
SQ10	<—	TEACHA	1.000				
SQ9	<—	TEACHA	1.299	0.097	13.378	***	
SQ8	<—	TEACHA	0.827	0.081	10.251	***	
SQ7	<—	TEACHA	1.233	0.086	14.387	***	
SQ6	<—	TEACHA	1.285	0.101	12.699	***	
SQ5	<—	TEACHA	0.844	0.067	12.588	***	
SQ3	<—	TEACHA	1.100	0.079	13.883	***	
SQ1	<—	GENA	1.000				
SQ2	<—	GENA	0.901	0.065	13.793	***	
SQ4	<—	GENA	0.934	0.061	15.402	***	
SQ11	<—	GENA	1.114	0.078	14.341	***	
SQ12	<—	GENA	1.186	0.066	17.924	***	
SQ13	<—	GENA	0.866	0.052	16.528	***	
SQ14	<—	GENA	0.988	0.069	14.413	***	
SQ15	<—	GENA	1.127	0.068	16.531	***	
SQ16	<—	GENA	0.901	0.053	16.893	***	
SQ17	<—	GENA	0.974	0.065	15.040	***	
SQ18	<—	GENA	1.127	0.063	17.790	***	
SQ1	<—	TEACHA	0.000				

Standardized Regression Weights: (Group number 1—With no correlated errors)

			Estimate
SQ10	<—	TEACHA	0.628
SQ9	<—	TEACHA	0.632
SQ8	<—	TEACHA	0.458
SQ7	<—	TEACHA	0.698
SQ6	<—	TEACHA	0.591
SQ5	<—	TEACHA	0.585
SQ3	<—	TEACHA	0.665
SQ1	<—	GENA	0.622
SQ2	<—	GENA	0.600
SQ4	<—	GENA	0.689
SQ11	<—	GENA	0.629
SQ12	<—	GENA	0.847
SQ13	<—	GENA	0.756
SQ14	<—	GENA	0.633
SQ15	<—	GENA	0.756

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			Estimate
SQ16	<—	GENA	0.779
SQ17	<—	GENA	0.668
SQ18	<—	GENA	0.838
SQ1	<—	TEACHA	0.000

Covariances: (Group number 1—With no correlated errors)

			Estimate
TEACHA	<->	GENA	0.644
e14	<->	e15	0.000
e5	<->	e3	0.000
e2	<->	e14	0.000
e15	<->	e16	0.000

Correlations: (Group number 1—With no correlated errors)

			Estimate	S.E.	C.R.	P	Label
TEACHA	<->	GENA	0.235	0.024	9.608	***	
e14	<->	e15	0.000				
e5	<->	e3	0.000				
e2	<->	e14	0.000				
e15	<->	e16	0.000				

Variances: (Group number 1—With no correlated errors)

	Estimate	S.E.	C.R.	P	Label
TEACHA	0.241	0.029	8.449	***	
GENA	0.555	0.063	8.844	***	
e10	0.369	0.023	16.131	***	
e9	0.610	0.038	16.076	***	
e8	0.622	0.035	17.588	***	
e7	0.384	0.026	14.994	***	
e6	0.740	0.045	16.563	***	
e5	0.330	0.020	16.630	***	
e3	0.368	0.024	15.606	***	
e1	0.878	0.050	17.722	***	
e2	0.802	0.045	17.817	***	
e4	0.536	0.031	17.356	***	
e11	1.050	0.059	17.690	***	
e12	0.308	0.020	15.138	***	
e13	0.312	0.019	16.772	***	

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	Estimate	S.E.	C.R.	P	Label
e14	0.809	0.046	17.672	***	
e15	0.529	0.032	16.769	***	
e16	0.293	0.018	16.489	***	
e17	0.653	0.037	17.487	***	
e18	0.300	0.020	15.386	***	

Squared Multiple Correlations: (Group number 1—With no correlated errors)

	Estimate
SQ18	0.701
SQ17	0.446
SQ16	0.606
SQ15	0.572
SQ14	0.401
SQ13	0.571
SQ12	0.717
SQ11	0.396
SQ4	0.474
SQ2	0.360
SQ1	0.387
SQ3	0.442
SQ5	0.342
SQ6	0.350
SQ7	0.488
SQ8	0.209
SQ9	0.400
SQ10	0.395

Residual Covariances (Group number 1—With no correlated errors)

	SQ18	SQ17	SQ16	SQ15	SQ14	SQ13	SQ12	SQ11	SQ4	SQ2	SQ1	SQ3	SQ5	SQ6	SQ7	SQ8	SQ9	SQ10
SQ18	0.000																	
SQ17	0.044	0.000																
SQ16	-0.013	0.007	0.000															
SQ15	-0.031	-0.070	0.091	0.000														
SQ14	-0.067	-0.021	0.048	0.193	0.000													
SQ13	0.007	0.023	-0.011	-0.056	-0.038	0.000												
SQ12	0.028	-0.020	-0.027	-0.033	-0.079	0.045	0.000											
SQ11	-0.004	0.032	-0.046	-0.019	-0.028	-0.006	0.025	0.000										
SQ4	0.019	0.035	-0.036	-0.061	-0.028	0.015	0.005	0.062	0.000									
SQ2	-0.039	-0.042	0.022	0.081	0.214	-0.046	-0.024	-0.048	-0.059	0.000								
SQ1	0.067	-0.009	-0.037	0.034	-0.057	-0.039	0.013	0.060	-0.003	0.064	0.000							
SQ3	-0.055	-0.053	-0.019	-0.046	-0.053	-0.002	-0.003	-0.071	0.085	-0.038	0.084	0.000						
SQ5	-0.028	-0.009	-0.003	-0.024	-0.012	0.005	0.013	-0.043	0.090	-0.013	-0.054	0.082	0.000					
SQ6	-0.091	-0.047	0.012	-0.063	0.046	0.027	-0.042	-0.075	-0.047	0.008	-0.219	-0.030	-0.026	0.000				
SQ7	-0.051	-0.053	0.044	0.032	0.080	0.027	-0.007	-0.007	0.026	0.048	-0.115	-0.012	-0.044	0.072	0.000			
SQ8	-0.023	-0.011	-0.004	-0.016	-0.026	0.033	0.008	0.000	0.058	-0.030	-0.104	-0.010	0.051	-0.031	0.002	0.000		
SQ9	0.003	0.034	0.044	-0.068	0.034	0.054	0.040	0.019	0.048	-0.039	-0.144	-0.033	-0.049	0.091	0.017	0.002	0.000	
SQ10	0.010	0.029	0.076	0.081	0.048	0.033	0.076	0.088	0.051	0.042	-0.036	0.011	-0.005	-0.046	-0.007	-0.018	-0.009	0.000

Standardized Residual Covariances (Group number 1—With no correlated errors)

	SQ18	SQ17	SQ16	SQ15	SQ14	SQ13	SQ12	SQ11	SQ4	SQ2	SQ1	SQ3	SQ5	SQ6	SQ7	SQ8	SQ9	SQ10
SQ18	0.000																	
SQ17	0.934	0.000																
SQ16	-0.324	0.177	0.000															
SQ15	-0.608	-1.364	2.151	0.000														
SQ14	-1.332	-0.410	1.118	3.550	0.000													
SQ13	0.172	0.574	-0.350	-1.356	-0.901	0.000												
SQ12	0.566	-0.408	-0.651	-0.624	-1.515	1.109	0.000											
SQ11	-0.063	0.547	-0.950	-0.310	-0.440	-0.128	0.428	0.000										
SQ4	0.417	0.755	-0.947	-1.272	-0.583	0.413	0.110	1.123	0.000									
SQ2	-0.808	-0.835	0.555	1.566	4.032	-1.141	-0.475	-0.795	-1.274	0.000								
SQ1	1.297	-0.172	-0.848	0.603	-1.007	-0.909	0.246	0.934	-0.050	1.185	0.000							
SQ3	-1.659	-1.525	-0.659	-1.263	-1.430	-0.066	-0.100	-1.673	2.601	-1.058	-2.195	0.000						
SQ5	-1.004	-0.288	-0.106	-0.774	-0.359	0.211	0.447	-1.166	3.192	-0.433	-1.640	3.508	0.000					
SQ6	-2.138	-1.032	0.317	-1.346	0.947	0.760	-0.944	-1.359	-1.117	0.168	-4.380	-0.846	-0.855	0.000				
SQ7	-1.445	-1.411	1.453	0.820	2.009	0.909	-0.183	-0.158	0.755	1.253	-2.804	-0.422	-1.750	1.902	0.000			
SQ8	-0.664	-0.284	-0.123	-0.406	-0.646	1.110	0.212	0.010	1.680	-0.769	-2.534	-0.339	2.079	-0.826	0.058	0.000		
SQ9	0.065	0.791	1.270	-1.530	0.743	1.575	0.939	0.356	1.199	-0.877	-3.040	-0.972	-1.681	2.092	0.455	0.065	0.000	
SQ10	0.319	0.856	2.835	2.333	1.351	1.253	2.324	2.176	1.621	1.219	-0.978	0.415	-0.220	-1.368	-0.231	-0.642	-0.280	0.000

Modification Indices (Group number 1—With no correlated errors)

Covariances: (Group number 1—With no correlated errors)

			M.I.	Par change
e18	<->	TEACHA	13.324	-0.037
e17	<->	e18	8.609	0.055
e16	<->	TEACHA	6.480	0.025
e15	<->	e18	5.151	-0.039
e15	<->	e17	11.319	-0.081
e15	<->	e16	44.721	0.110
e14	<->	e18	15.604	-0.082
e14	<->	e16	7.656	0.055
e14	<->	e15	69.013	0.221
e13	<->	TEACHA	5.870	0.024
e13	<->	e15	15.802	-0.067
e12	<->	e18	7.867	0.038
e12	<->	e16	7.128	-0.035
e12	<->	e15	5.836	-0.042
e12	<->	e14	21.682	-0.099
e12	<->	e13	18.532	0.058
e11	<->	e16	5.442	-0.053
e4	<->	GENA	5.059	-0.041
e4	<->	TEACHA	13.996	0.048
e4	<->	e16	6.553	-0.042
e4	<->	e15	10.562	-0.071
e4	<->	e11	5.237	0.069
e2	<->	e18	5.216	-0.047
e2	<->	e15	12.256	0.093
e2	<->	e14	52.595	0.232
e2	<->	e13	6.473	-0.052
e2	<->	e4	6.210	-0.065
e1	<->	GENA	13.286	0.085
e1	<->	TEACHA	36.803	-0.100
e1	<->	e18	14.373	0.082
e3	<->	e14	5.784	-0.055
e3	<->	e4	20.979	0.086
e5	<->	e4	19.916	0.077
e5	<->	e3	47.829	0.102
e6	<->	e14	5.468	0.074
e6	<->	e13	5.129	0.045
e6	<->	e4	6.259	-0.065
e6	<->	e1	11.779	-0.113
e7	<->	e18	5.519	-0.036
e7	<->	e17	5.446	-0.050

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			M.I.	Par change
e7	<->	e15	6.240	0.049
e7	<->	e14	10.980	0.078
e7	<->	e2	5.842	0.057
e7	<->	e5	13.478	-0.056
e7	<->	e6	16.292	0.093
e8	<->	e5	10.143	0.059
e9	<->	e15	13.855	-0.089
e9	<->	e1	7.081	-0.080
e9	<->	e5	9.848	-0.059
e9	<->	e6	15.585	0.112
e10	<->	GENA	13.667	0.058
e10	<->	TEACHA	6.299	-0.027
e10	<->	e15	6.980	0.049
e10	<->	e11	5.143	0.058
e10	<->	e6	6.544	-0.056

Regression weights: (Group number 1—With no correlated errors)

			M.I.	Par change
SQ18	<-	TEACHA	6.564	-0.130
SQ18	<-	SQ14	9.020	-0.059
SQ18	<-	SQ1	8.487	0.055
SQ18	<-	SQ6	6.487	-0.054
SQ18	<-	SQ7	10.092	-0.083
SQ18	<-	SQ10	5.962	-0.071
SQ16	<-	SQ15	17.612	0.082
SQ16	<-	SQ7	6.300	0.063
SQ16	<-	SQ10	6.530	0.071
SQ15	<-	SQ17	5.971	-0.065
SQ15	<-	SQ16	15.937	0.134
SQ15	<-	SQ14	39.629	0.157
SQ15	<-	SQ13	6.238	-0.085
SQ15	<-	SQ4	5.257	-0.066
SQ15	<-	SQ2	7.567	0.071
SQ15	<-	SQ9	9.092	-0.087
SQ14	<-	SQ15	27.012	0.164
SQ14	<-	SQ12	5.149	-0.076
SQ14	<-	SQ2	32.435	0.178
SQ14	<-	SQ6	5.064	0.074
SQ14	<-	SQ7	7.334	0.110
SQ13	<-	SQ15	6.232	-0.050
SQ13	<-	SQ6	7.062	0.056

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			M.I.	Par change
SQ12	<—	SQ14	12.541	-0.071
SQ12	<—	SQ13	7.360	0.074
SQ4	<—	TEACHA	6.841	0.168
SQ4	<—	SQ3	22.819	0.169
SQ4	<—	SQ5	23.588	0.197
SQ4	<—	SQ8	6.718	0.084
SQ2	<—	SQ14	30.121	0.164
SQ1	<—	TEACHA	18.014	-0.345
SQ1	<—	SQ6	24.333	-0.169
SQ1	<—	SQ7	14.779	-0.162
SQ1	<—	SQ8	10.430	-0.133
SQ1	<—	SQ9	19.313	-0.159
SQ1	<—	SQ10	7.997	-0.132
SQ3	<—	SQ14	7.156	-0.057
SQ3	<—	SQ4	5.231	0.056
SQ3	<—	SQ5	29.118	0.189
SQ5	<—	SQ4	8.888	0.068
SQ5	<—	SQ3	23.497	0.137
SQ5	<—	SQ7	5.928	-0.064
SQ5	<—	SQ8	7.688	0.072
SQ5	<—	SQ9	5.330	-0.052
SQ6	<—	SQ4	7.773	-0.095
SQ6	<—	SQ1	12.671	-0.102
SQ6	<—	SQ7	7.133	0.106
SQ6	<—	SQ9	8.399	0.099
SQ7	<—	SQ14	6.573	0.057
SQ7	<—	SQ5	8.267	-0.104
SQ7	<—	SQ6	9.800	0.076
SQ8	<—	SQ5	6.113	0.107
SQ9	<—	SQ5	6.004	-0.109
SQ9	<—	SQ6	9.321	0.090
SQ10	<—	GENA	6.893	0.089
SQ10	<—	SQ16	10.335	0.091
SQ10	<—	SQ15	12.721	0.079
SQ10	<—	SQ12	8.643	0.069
SQ10	<—	SQ11	11.014	0.062

Model Fit Summary

CMIN

Model	NPAR	CMIN	DF	P	CMIN/DF
With correlated errors and double loading	42	372.916	129	0.000	2.891
With correlated errors	41	415.850	130	0.000	3.199
With no correlated errors	37	635.481	134	0.000	4.742
Saturated model	171	0.000	0		
Independence model	18	5924.073	153	0.000	38.719

RMR, GFI

Model	RMR	GFI	AGFI	PGFI
With correlated errors and double loading	0.039	0.940	0.921	0.709
With correlated errors	0.046	0.933	0.912	0.709
With no correlated errors	0.052	0.897	0.868	0.703
Saturated model	0.000	1.000		
Independence model	0.385	0.274	0.189	0.245

Baseline Comparisons

Model	NFI Delta1	RFI rho1	IFI Delta2	TLI rho2	CFI
With correlated errors and double loading	0.937	0.925	0.958	0.950	0.958
With correlated errors	0.930	0.917	0.951	0.942	0.950
With no correlated errors	0.893	0.878	0.913	0.901	0.913
Saturated model	1.000		1.000		1.000
Independence model	0.000	0.000	0.000	0.000	0.000

Parsimony-Adjusted Measures

Model	PRATIO	PNFI	PCFI
With correlated errors and double loading	0.843	0.790	0.808
With correlated errors	0.850	0.790	0.808
With no correlated errors	0.876	0.782	0.800
Saturated model	0.000	0.000	0.000
Independence model	1.000	0.000	0.000

NCP

Model	NCP	LO 90	HI 90
With correlated errors and double loading	243.916	189.920	305.554
With correlated errors	285.850	227.994	351.318
With no correlated errors	501.481	426.769	583.720
Saturated model	0.000	0.000	0.000
Independence model	5771.073	5522.689	6025.790

FMIN

Model	FMIN	F0	LO 90	HI 90
With correlated errors and double loading	0.540	0.354	0.275	0.443
With correlated errors	0.603	0.414	0.330	0.509
With no correlated errors	0.921	0.727	0.619	0.846
Saturated model	0.000	0.000	0.000	0.000
Independence model	8.586	8.364	8.004	8.733

RMSEA

Model	RMSEA	LO 90	HI 90	PCLOSE
With correlated errors and double loading	0.052	0.046	0.059	0.259
With correlated errors	0.056	0.050	0.063	0.040
With no correlated errors	0.074	0.068	0.079	0.000
Independence model	0.234	0.229	0.239	0.000

AIC

Model	AIC	BCC	BIC	CAIC
With correlated errors and double loading	456.916	459.295	647.518	689.518
With correlated errors	497.850	500.172	683.914	724.914
With no correlated errors	709.481	711.576	877.392	914.392
Saturated model	342.000	351.684	1118.022	1289.022
Independence model	5960.073	5961.092	6041.759	6059.759

ECVI

Model	ECVI	LO 90	HI 90	MECVI
With correlated errors and double loading	0.662	0.584	0.752	0.666
With correlated errors	0.722	0.638	0.816	0.725
With no correlated errors	1.028	0.920	1.147	1.031
Saturated model	0.496	0.496	0.496	0.510
Independence model	8.638	8.278	9.007	8.639

HOELTER

Model	HOELTER 0.05	HOELTER 0.01
With correlated errors and double loading	290	314
With correlated errors	262	283
With no correlated errors	176	191
Independence model	22	23

Nested Model Comparisons**Assuming model with correlated errors and double loading to be correct:**

Model	DF	CMIN	P	NFI Delta-1	IFI Delta-2	RFI rho-1	TLI rho2
With correlated errors	1	42.934	0.000	0.007	0.007	0.008	0.008
With no correlated errors	5	262.564	0.000	0.044	0.045	0.048	0.049

Assuming model with correlated errors to be correct:

Model	DF	CMIN	P	NFI Delta-1	IFI Delta-2	RFI rho-1	TLI rho2
With no correlated errors	4	219.631	0.000	0.037	0.038	0.040	0.041

Execution time summary

Minimization	0.019
Miscellaneous	0.606
Bootstrap	0.000
Total	0.625

Nested Model Comparisons

Assuming model with correlated errors and double loading to be correct:

Model	DF	CMIN	P	NFI Delta-1	IFI Delta-2	RFI rho-1	TLI rho2
With correlated errors	1	42.934	0.000	0.007	0.007	0.008	0.008
With no correlated errors	5	262.564	0.000	0.044	0.045	0.048	0.049

Assuming model with correlated errors to be correct:

Model	DF	CMIN	P	NFI Delta-1	IFI Delta-2	RFI rho-1	TLI rho2
With no correlated errors	4	219.631	0.000	0.037	0.038	0.040	0.041

Execution time summary

Minimization	0.019
Miscellaneous	0.606
Bootstrap	0.000
Total	0.625

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