

lavaan 0.6-6 ended normally after 76 iterations

Estimator	ML
Optimization method	NLMINB
Number of free parameters	73
Number of equality constraints	24
Number of observations	1211
Number of missing patterns	40

Model Test User Model:

Test statistic	1255.513
Degrees of freedom	140
P-value (Chi-square)	0.000

Parameter Estimates:

Standard errors	Standard
Information	Observed
Observed information based on	Hessian

Latent Variables:

	Estimate	Std.Err	z-value	P(> z)
boredom_0 =~				
bos1_0 (lmb1)	0.298	0.057	5.247	0.000
bos2_0 (lmb2)	0.321	0.061	5.253	0.000
bos3_0 (lmb3)	0.295	0.056	5.257	0.000
bos4_0 (lmb4)	0.366	0.070	5.249	0.000
bos5_0 (lmb5)	0.341	0.065	5.239	0.000
bos6_0 (lmb6)	0.323	0.062	5.235	0.000
boredom_1 =~				
bos1_1 (lmb1)	0.298	0.057	5.247	0.000
bos2_1 (lmb2)	0.321	0.061	5.253	0.000
bos3_1 (lmb3)	0.295	0.056	5.257	0.000
bos4_1 (lmb4)	0.366	0.070	5.249	0.000
bos5_1 (lmb5)	0.341	0.065	5.239	0.000
bos6_1 (lmb6)	0.323	0.062	5.235	0.000
boredom_2 =~				
bos1_2 (lmb1)	0.298	0.057	5.247	0.000
bos2_2 (lmb2)	0.321	0.061	5.253	0.000
bos3_2 (lmb3)	0.295	0.056	5.257	0.000
bos4_2 (lmb4)	0.366	0.070	5.249	0.000
bos5_2 (lmb5)	0.341	0.065	5.239	0.000
bos6_2 (lmb6)	0.323	0.062	5.235	0.000
i =~				
bordm_0	1.000			
bordm_1	1.000			
bordm_2	1.000			
s =~				
bordm_0	0.000			
bordm_1	1.000			
bordm_2	2.000			

Covariances:

	Estimate	Std.Err	z-value	P(> z)
.bos1_0 ~				
.bos1_1	0.141	0.026	5.393	0.000
.bos1_2	0.071	0.024	3.004	0.003
.bos2_0 ~				
.bos2_1	0.064	0.024	2.713	0.007
.bos2_2	0.082	0.022	3.776	0.000
.bos3_0 ~				
.bos3_1	0.083	0.021	3.883	0.000
.bos3_2	0.079	0.020	3.921	0.000
.bos4_0 ~				
.bos4_1	0.125	0.030	4.233	0.000
.bos4_2	0.120	0.027	4.524	0.000
.bos5_0 ~				
.bos5_1	0.330	0.039	8.486	0.000
.bos5_2	0.189	0.035	5.463	0.000
.bos6_0 ~				
.bos6_1	0.182	0.029	6.167	0.000
.bos6_2	0.181	0.027	6.808	0.000
.boredom_0 ~				
.boredom_1	0.000			
.boredom_2	0.000			
.boredom_1 ~				
.boredom_2	0.000			
i ~				
s	-0.720	0.473	-1.522	0.128

Intercepts:

	Estimate	Std.Err	z-value	P(> z)
.bos1_0 (i1)	2.457	0.017	146.262	0.000
.bos2_0 (i2)	2.094	0.016	130.960	0.000
.bos3_0 (i3)	1.907	0.016	121.847	0.000
.bos4_0 (i4)	2.866	0.018	161.600	0.000
.bos5_0 (i5)	2.804	0.020	140.073	0.000
.bos6_0 (i6)	2.307	0.018	127.877	0.000
.bos1_1 (i1)	2.457	0.017	146.262	0.000
.bos2_1 (i2)	2.094	0.016	130.960	0.000
.bos3_1 (i3)	1.907	0.016	121.847	0.000
.bos4_1 (i4)	2.866	0.018	161.600	0.000
.bos5_1 (i5)	2.804	0.020	140.073	0.000
.bos6_1 (i6)	2.307	0.018	127.877	0.000
.bos1_2 (i1)	2.457	0.017	146.262	0.000
.bos2_2 (i2)	2.094	0.016	130.960	0.000
.bos3_2 (i3)	1.907	0.016	121.847	0.000
.bos4_2 (i4)	2.866	0.018	161.600	0.000
.bos5_2 (i5)	2.804	0.020	140.073	0.000
.bos6_2 (i6)	2.307	0.018	127.877	0.000
.boredom_0	0.000			
.boredom_1	0.000			
.boredom_2	0.000			
i	-0.073	0.056	-1.304	0.192
s	0.126	0.048	2.647	0.008

Variances:

	Estimate	Std.Err	z-value	P(> z)
.bos1_0	0.712	0.034	20.959	0.000
.bos2_0	0.661	0.033	20.159	0.000
.bos3_0	0.535	0.027	20.131	0.000
.bos4_0	0.709	0.037	19.388	0.000
.bos5_0	0.972	0.045	21.403	0.000
.bos6_0	0.754	0.036	20.757	0.000
.bos1_1	0.709	0.035	20.335	0.000
.bos2_1	0.588	0.031	18.783	0.000
.bos3_1	0.590	0.030	19.502	0.000
.bos4_1	0.782	0.040	19.337	0.000
.bos5_1	0.988	0.049	20.021	0.000
.bos6_1	0.801	0.040	19.952	0.000
.bos1_2	0.684	0.032	21.569	0.000
.bos2_2	0.529	0.027	19.605	0.000
.bos3_2	0.607	0.029	21.148	0.000
.bos4_2	0.700	0.035	20.066	0.000
.bos5_2	1.005	0.047	21.572	0.000
.bos6_2	0.719	0.034	20.916	0.000
.boredom_0	1.000			
.boredom_1	2.320	1.003	2.312	0.021
.boredom_2	0.537	0.330	1.629	0.103
i	6.165	2.666	2.313	0.021
s	1.110	0.585	1.897	0.058

\$PE

	lhs op	rhs	label	exo	est	se
z	pvalue					
1	boredom_0 =~	bos1_0	lambda1	0	0.29783807	0.05676809
	5.246576 1.549523e-07					
2	boredom_0 =~	bos2_0	lambda2	0	0.32116620	0.06113829
	5.253111 1.495514e-07					
3	boredom_0 =~	bos3_0	lambda3	0	0.29457368	0.05603538
	5.256923 1.464853e-07					
4	boredom_0 =~	bos4_0	lambda4	0	0.36614262	0.06975193
	5.249211 1.527520e-07					
5	boredom_0 =~	bos5_0	lambda5	0	0.34141183	0.06516993
	5.238794 1.616295e-07					
6	boredom_0 =~	bos6_0	lambda6	0	0.32270078	0.06164450
	5.234867 1.651035e-07					
7	boredom_1 =~	bos1_1	lambda1	0	0.29783807	0.05676809
	5.246576 1.549523e-07					
8	boredom_1 =~	bos2_1	lambda2	0	0.32116620	0.06113829
	5.253111 1.495514e-07					
9	boredom_1 =~	bos3_1	lambda3	0	0.29457368	0.05603538
	5.256923 1.464853e-07					
10	boredom_1 =~	bos4_1	lambda4	0	0.36614262	0.06975193
	5.249211 1.527520e-07					
11	boredom_1 =~	bos5_1	lambda5	0	0.34141183	0.06516993
	5.238794 1.616295e-07					
12	boredom_1 =~	bos6_1	lambda6	0	0.32270078	0.06164450
	5.234867 1.651035e-07					
13	boredom_2 =~	bos1_2	lambda1	0	0.29783807	0.05676809

5.246576	1.549523e-07					
14	boredom_2 =~ bos2_2	lambda2	0	0.32116620	0.06113829	
5.253111	1.495514e-07					
15	boredom_2 =~ bos3_2	lambda3	0	0.29457368	0.05603538	
5.256923	1.464853e-07					
16	boredom_2 =~ bos4_2	lambda4	0	0.36614262	0.06975193	
5.249211	1.527520e-07					
17	boredom_2 =~ bos5_2	lambda5	0	0.34141183	0.06516993	
5.238794	1.616296e-07					
18	boredom_2 =~ bos6_2	lambda6	0	0.32270078	0.06164450	
5.234867	1.651036e-07					
19	bos1_0 ~1	i1	0	2.45659120	0.01679580	
146.262226	0.000000e+00					
20	bos2_0 ~1	i2	0	2.09425097	0.01599149	
130.960369	0.000000e+00					
21	bos3_0 ~1	i3	0	1.90686509	0.01564961	
121.847413	0.000000e+00					
22	bos4_0 ~1	i4	0	2.86589184	0.01773443	
161.600469	0.000000e+00					
23	bos5_0 ~1	i5	0	2.80391095	0.02001743	
140.073487	0.000000e+00					
24	bos6_0 ~1	i6	0	2.30669246	0.01803841	
127.876706	0.000000e+00					
25	bos1_1 ~1	i1	0	2.45659120	0.01679580	
146.262226	0.000000e+00					
26	bos2_1 ~1	i2	0	2.09425097	0.01599149	
130.960369	0.000000e+00					
27	bos3_1 ~1	i3	0	1.90686509	0.01564961	
121.847413	0.000000e+00					
28	bos4_1 ~1	i4	0	2.86589184	0.01773443	
161.600469	0.000000e+00					
29	bos5_1 ~1	i5	0	2.80391095	0.02001743	
140.073487	0.000000e+00					
30	bos6_1 ~1	i6	0	2.30669246	0.01803841	
127.876706	0.000000e+00					
31	bos1_2 ~1	i1	0	2.45659120	0.01679580	
146.262226	0.000000e+00					
32	bos2_2 ~1	i2	0	2.09425097	0.01599149	
130.960369	0.000000e+00					
33	bos3_2 ~1	i3	0	1.90686509	0.01564961	
121.847413	0.000000e+00					
34	bos4_2 ~1	i4	0	2.86589184	0.01773443	
161.600469	0.000000e+00					
35	bos5_2 ~1	i5	0	2.80391095	0.02001743	
140.073487	0.000000e+00					
36	bos6_2 ~1	i6	0	2.30669246	0.01803841	
127.876706	0.000000e+00					
37	bos1_0 ~~ bos1_0		0	0.71230803	0.03398613	
20.958785	0.000000e+00					
38	bos2_0 ~~ bos2_0		0	0.66110569	0.03279438	
20.159113	0.000000e+00					
39	bos3_0 ~~ bos3_0		0	0.53526907	0.02658874	
20.131418	0.000000e+00					
40	bos4_0 ~~ bos4_0		0	0.70855519	0.03654588	

19.388099	0.000000e+00			
41	bos5_0	~~	bos5_0	0 0.97159346 0.04539480
21.403190	0.000000e+00			
42	bos6_0	~~	bos6_0	0 0.75383839 0.03631661
20.757402	0.000000e+00			
43	bos1_1	~~	bos1_1	0 0.70865906 0.03484843
20.335467	0.000000e+00			
44	bos2_1	~~	bos2_1	0 0.58842535 0.03132695
18.783361	0.000000e+00			
45	bos3_1	~~	bos3_1	0 0.59046735 0.03027763
19.501770	0.000000e+00			
46	bos4_1	~~	bos4_1	0 0.78192688 0.04043743
19.336711	0.000000e+00			
47	bos5_1	~~	bos5_1	0 0.98840166 0.04936762
20.021254	0.000000e+00			
48	bos6_1	~~	bos6_1	0 0.80107667 0.04014949
19.952352	0.000000e+00			
49	bos1_2	~~	bos1_2	0 0.68406458 0.03171518
21.568998	0.000000e+00			
50	bos2_2	~~	bos2_2	0 0.52905925 0.02698613
19.604859	0.000000e+00			
51	bos3_2	~~	bos3_2	0 0.60658625 0.02868328
21.147733	0.000000e+00			
52	bos4_2	~~	bos4_2	0 0.70010300 0.03489041
20.065770	0.000000e+00			
53	bos5_2	~~	bos5_2	0 1.00510616 0.04659273
21.572166	0.000000e+00			
54	bos6_2	~~	bos6_2	0 0.71868177 0.03435961
20.916472	0.000000e+00			
55	bos1_0	~~	bos1_1	0 0.14090721 0.02612958
5.392633	6.943272e-08			
56	bos1_0	~~	bos1_2	0 0.07138403 0.02376068
3.004292	2.661995e-03			
57	bos2_0	~~	bos2_1	0 0.06432185 0.02370701
2.713200	6.663696e-03			
58	bos2_0	~~	bos2_2	0 0.08208421 0.02173889
3.775916	1.594209e-04			
59	bos3_0	~~	bos3_1	0 0.08319895 0.02142641
3.883008	1.031720e-04			
60	bos3_0	~~	bos3_2	0 0.07913501 0.02017999
3.921460	8.801408e-05			
61	bos4_0	~~	bos4_1	0 0.12506776 0.02954732
4.232796	2.308039e-05			
62	bos4_0	~~	bos4_2	0 0.12013803 0.02655632
4.523896	6.071159e-06			
63	bos5_0	~~	bos5_1	0 0.33031390 0.03892641
8.485600	0.000000e+00			
64	bos5_0	~~	bos5_2	0 0.18925495 0.03464573
5.462576	4.692738e-08			
65	bos6_0	~~	bos6_1	0 0.18173617 0.02946814
6.167208	6.950625e-10			
66	bos6_0	~~	bos6_2	0 0.18070953 0.02654496
6.807678	9.918733e-12			
67	boredom_0	~1		0 0.00000000 0.00000000

NA	NA			
68	boredom_1	~1	0	0.00000000 0.00000000
NA	NA			
69	boredom_2	~1	0	0.00000000 0.00000000
NA	NA			
70	boredom_0	~~ boredom_0	0	1.00000000 0.00000000
NA	NA			
71	boredom_1	~~ boredom_1	0	2.31976677 1.00325528
2.312240	2.076447e-02			
72	boredom_2	~~ boredom_2	0	0.53688574 0.32956247
1.629086	1.032947e-01			
73	boredom_0	~~ boredom_1	0	0.00000000 0.00000000
NA	NA			
74	boredom_0	~~ boredom_2	0	0.00000000 0.00000000
NA	NA			
75	boredom_1	~~ boredom_2	0	0.00000000 0.00000000
NA	NA			
76		i =~ boredom_0	0	1.00000000 0.00000000
NA	NA			
77		i =~ boredom_1	0	1.00000000 0.00000000
NA	NA			
78		i =~ boredom_2	0	1.00000000 0.00000000
NA	NA			
79		s =~ boredom_0	0	0.00000000 0.00000000
NA	NA			
80		s =~ boredom_1	0	1.00000000 0.00000000
NA	NA			
81		s =~ boredom_2	0	2.00000000 0.00000000
NA	NA			
82		i ~~ i	0	6.16455405 2.66558451
2.312646	2.074210e-02			
83		s ~~ s	0	1.11021077 0.58525049
1.896984	5.783006e-02			
84		i ~~ s	0	-0.71997521 0.47310925
-1.521795	1.280605e-01			
85		i ~1	0	-0.07274874 0.05579253
-1.303915	1.922625e-01			
86		s ~1	0	0.12628665 0.04770623
2.647173	8.116777e-03			