Table 1. One Factor Model CFA PWB

	lhs	op	rhs	est	se	z	pvalue	std.lv	std.all	std.nox
1	PWB	=~	PWB_1	1.02	0.06	18.38	0.00	1.02	0.63	0.63
2	PWB	=~	PWB_2	0.75	0.05	14.50	0.00	0.75	0.52	0.52
3	PWB	=~	PWB_3	1.20	0.05	23.46	0.00	1.20	0.76	0.76
4	PWB	=~	PWB_4	0.84	0.05	15.65	0.00	0.84	0.55	0.55
5	PWB	=~	PWB_5	-1.26	0.05	-24.24	0.00	-1.26	-0.78	-0.78
6	PWB	=~	PWB_6	0.68	0.05	14.69	0.00	0.68	0.52	0.52
7	PWB	=~	PWB_7	0.21	0.05	4.18	0.00	0.21	0.16	0.16
8	PWB	=~	PWB_8	0.28	0.05	5.22	0.00	0.28	0.20	0.20
9	PWB	=~	PWB_9	0.63	0.05	12.05	0.00	0.63	0.44	0.44
10	PWB_1	~~	PWB_1	1.56	0.09	17.37	0.00	1.56	0.60	0.60
11	PWB_2	~~	PWB_2	1.51	0.08	18.47	0.00	1.51	0.73	0.73
12	PWB_3	~~	PWB_3	1.06	0.07	14.58	0.00	1.06	0.42	0.42
13	PWB_4	~~	PWB_4	1.59	0.09	18.23	0.00	1.59	0.69	0.69
14	PWB_5	~~	PWB_5	1.03	0.07	13.82	0.00	1.03	0.39	0.39
15	PWB_6	~~	PWB_6	1.22	0.07	18.60	0.00	1.22	0.73	0.73
16	PWB_7	~~	PWB_7	1.60	0.08	20.06	0.00	1.60	0.97	0.97
17	PWB_8	~~	PWB_8	1.87	0.09	20.00	0.00	1.87	0.96	0.96
18	PWB_9	~~	PWB_9	1.65	0.09	19.17	0.00	1.65	0.81	0.81
19	PWB	~~	PWB	1.00	0.00			1.00	1.00	1.00
20	PWB_1	~1		3.90	0.06	69.04	0.00	3.90	2.42	2.42
21	PWB_2	~1		3.87	0.05	76.68	0.00	3.87	2.68	2.68
22	PWB_3	~1		4.15	0.06	74.92	0.00	4.15	2.62	2.62
23	PWB_4	~1		4.02	0.05	75.79	0.00	4.02	2.65	2.65
24	PWB_5	~1		2.88	0.06	50.88	0.00	2.88	1.78	1.78
25	PWB_6	~1		4.50	0.05	98.96	0.00	4.50	3.46	3.46
26	PWB_7	~1		4.55	0.04	101.16	0.00	4.55	3.54	3.54
27	PWB_8	~1		4.36	0.05	89.36	0.00	4.36	3.13	3.13
28	PWB_9	~1		4.80	0.05	95.93	0.00	4.80	3.36	3.36
29	PWB	~1		0.00	0.00			0.00	0.00	0.00

> (xtable(parameterEstimates(bifactor1.fit, ci = F, standardized = T, fmi = F, remove.eq = F, + remove.ineq = F, remove.def = T))) > (xtable(parameterEstimates(bifactor2.fit, ci = F, standardized = T, fmi = F, remove.eq = F, + remove.ineq = F, remove.def = T))) > (xtable(parameterEstimates(bifactor.negative.fit, ci = F, standardized = T, fmi = F, remove.eq = F, + remove.ineq = F, remove.def = T)))

Table 2. Two Factor Model CFA PWB

	lhs	op	rhs	est	se	z	pvalue	std.lv	std.all	std.nox
1	Factor1	=~	PWB_1	0.99	0.06	17.71	0.00	0.99	0.61	0.61
2	Factor1	=~	PWB_3	1.23	0.05	23.96	0.00	1.23	0.78	0.78
3	Factor1	=~	PWB_4	0.80	0.05	14.85	0.00	0.80	0.53	0.53
4	Factor1	=~	PWB_5	-1.29	0.05	-24.76	0.00	-1.29	-0.80	-0.80
5	Factor1	=~	PWB_6	0.70	0.05	15.12	0.00	0.70	0.54	0.54
6	Factor1	=~	PWB_9	0.59	0.05	11.14	0.00	0.59	0.41	0.41
7	Factor2	=~	PWB_2	0.33	0.06	5.15	0.00	0.33	0.23	0.23
8	Factor2	=~	PWB_7	0.89	0.06	13.77	0.00	0.89	0.69	0.69
9	Factor2	=~	PWB_8	1.02	0.07	13.93	0.00	1.02	0.73	0.73
10	PWB_1	~~	PWB_1	1.62	0.09	17.65	0.00	1.62	0.63	0.63
11	PWB_3	~~	PWB_3	0.99	0.07	13.50	0.00	0.99	0.40	0.40
12	PWB_4	~~	PWB_4	1.65	0.09	18.46	0.00	1.65	0.72	0.72
13	PWB_5	~~	PWB_5	0.95	0.08	12.62	0.00	0.95	0.36	0.36
14	PWB_6	~~	PWB_6	1.20	0.07	18.45	0.00	1.20	0.71	0.71
15	PWB_9	~~	PWB_9	1.70	0.09	19.34	0.00	1.70	0.83	0.83
16	PWB_2	~~	PWB_2	1.97	0.10	19.53	0.00	1.97	0.95	0.95
17	PWB_7	~~	PWB_7	0.85	0.10	8.45	0.00	0.85	0.52	0.52
18	PWB_8	~~	PWB_8	0.90	0.13	6.91	0.00	0.90	0.46	0.46
19	Factor1	~~	Factor1	1.00	0.00			1.00	1.00	1.00
20	Factor2	~~	Factor2	1.00	0.00			1.00	1.00	1.00
21	Factor1	~~	Factor2	0.27	0.05	5.75	0.00	0.27	0.27	0.27
22	PWB_1	~1		3.90	0.06	69.04	0.00	3.90	2.42	2.42
23	PWB_3	~1		4.15	0.06	74.92	0.00	4.15	2.62	2.62
24	PWB_4	~1		4.02	0.05	75.79	0.00	4.02	2.65	2.65
25	PWB_5	~1		2.88	0.06	50.88	0.00	2.88	1.78	1.78
26	PWB_6	~1		4.50	0.05	98.96	0.00	4.50	3.46	3.46
27	PWB_9	~1		4.80	0.05	95.93	0.00	4.80	3.36	3.36
28	PWB_2	~1		3.87	0.05	76.68	0.00	3.87	2.68	2.68
29	PWB_7	~1		4.55	0.04	101.16	0.00	4.55	3.54	3.54
30	PWB_8	~1		4.36	0.05	89.36	0.00	4.36	3.13	3.13
31	Factor1	~1		0.00	0.00			0.00	0.00	0.00
32	Factor2	~1		0.00	0.00			0.00	0.00	0.00

Table 3. Second Order Model CFA PWB

	lhs	op	rhs	est	se	z	pvalue	std.lv	std.all	std.nox
1	Negative	=~	PWB_1	0.89	65.72	0.01	0.99	1.02	0.63	0.63
2	Negative	=~	PWB_2	0.69	50.67	0.01	0.99	0.78	0.54	0.54
3	Negative	=~	PWB_3	1.05	77.32	0.01	0.99	1.20	0.76	0.76
4	Negative	=~	PWB_4	0.74	54.90	0.01	0.99	0.85	0.56	0.56
5	Negative	=~	PWB_5	-1.08	80.04	-0.01	0.99	-1.24	-0.77	-0.77
6	Negative	=~	PWB_9	0.58	42.70	0.01	0.99	0.66	0.46	0.46
7	Positive	=~	PWB_6	0.44	64.49	0.01	0.99	0.56	0.43	0.43
8	Positive	=~	PWB_7	0.70	101.90	0.01	0.99	0.88	0.69	0.69
9	Positive	=~	PWB_8	0.79	114.67	0.01	0.99	1.00	0.71	0.71
10	Purpose	=~	Negative	0.55	174.07	0.00	1.00	0.49	0.49	0.49
11	Purpose	=~	Positive	0.78	301.15	0.00	1.00	0.62	0.62	0.62
12	PWB_1	~~	PWB_1	1.56	0.09	17.14	0.00	1.56	0.60	0.60
13	PWB_2	~~	PWB_2	1.46	0.08	17.99	0.00	1.46	0.70	0.70
14	PWB_3	~~	PWB_3	1.07	0.08	14.11	0.00	1.07	0.43	0.43
15	PWB_4	~~	PWB_4	1.58	0.09	18.00	0.00	1.58	0.69	0.69
16	PWB_5	~~	PWB_5	1.07	0.08	13.68	0.00	1.07	0.41	0.41
17	PWB_9	~~	PWB_9	1.60	0.08	18.91	0.00	1.60	0.79	0.79
18	PWB_6	~~	PWB_6	1.37	0.08	17.32	0.00	1.37	0.81	0.81
19	PWB_7	~~	PWB_7	0.86	0.08	11.03	0.00	0.86	0.52	0.52
20	PWB_8	~~	PWB_8	0.95	0.10	9.84	0.00	0.95	0.49	0.49
21	Negative	~~	Negative	1.00	0.00			0.76	0.76	0.76
22	Positive	~~	Positive	1.00	0.00			0.62	0.62	0.62
23	Purpose	~~	Purpose	1.00	0.00			1.00	1.00	1.00
24	PWB_1	~1		3.90	0.06	69.04	0.00	3.90	2.42	2.42
25	PWB_2	~1		3.87	0.05	76.68	0.00	3.87	2.68	2.68
26	PWB_3	~1		4.15	0.06	74.92	0.00	4.15	2.62	2.62
27	PWB_4	~1		4.02	0.05	75.79	0.00	4.02	2.65	2.65
28	PWB_5	~1		2.88	0.06	50.88	0.00	2.88	1.78	1.78
29	PWB_9	~1		4.80	0.05	95.93	0.00	4.80	3.36	3.36
30	PWB_6	~1		4.50	0.05	98.96	0.00	4.50	3.46	3.46
31	PWB_7	~1		4.55	0.04	101.16	0.00	4.55	3.54	3.54
32	PWB_8	~1		4.36	0.05	89.36	0.00	4.36	3.13	3.13
33	Negative	~1		0.00	0.00			0.00	0.00	0.00
34	Positive	~1		0.00	0.00			0.00	0.00	0.00
35	Purpose	~1		0.00	0.00			0.00	0.00	0.00

Table 4. Bifactor 1 Model CFA PWB

	lhs	op	rhs	est	se	z	pvalue	std.lv	std.all	std.nox
1	PWB	=~	PWB_1	0.92	0.07	12.86	0.00	0.92	0.57	0.57
2	PWB	=~	PWB_2	0.38	0.10	4.01	0.00	0.38	0.26	0.26
3	PWB	=~	PWB_3	1.22	0.06	20.61	0.00	1.22	0.77	0.77
4	PWB	=~	PWB_4	0.69	0.07	9.20	0.00	0.69	0.45	0.45
5	PWB	=~	PWB_5	-1.27	0.06	-21.48	0.00	-1.27	-0.78	-0.78
6	PWB	=~	PWB_6	0.71	0.05	14.34	0.00	0.71	0.55	0.55
7	PWB	=~	PWB_7	0.08	0.05	1.57	0.12	0.08	0.06	0.06
8	PWB	=~	PWB_8	0.18	0.06	3.20	0.00	0.18	0.13	0.13
9	PWB	=~	PWB_9	0.47	0.08	5.88	0.00	0.47	0.33	0.33
10	Negative	=~	PWB_1	0.51	0.11	4.66	0.00	0.51	0.31	0.31
11	Negative	=~	PWB_2	1.30	0.21	6.33	0.00	1.30	0.90	0.90
12	Negative	=~	PWB_3	0.24	0.11	2.18	0.03	0.24	0.15	0.15
13	Negative	=~	PWB_4	0.43	0.11	3.92	0.00	0.43	0.28	0.28
14	Negative	=~	PWB_5	-0.27	0.11	-2.44	0.01	-0.27	-0.17	-0.17
15	Negative	=~	PWB_9	0.48	0.12	3.85	0.00	0.48	0.33	0.33
16	Positive	=~	PWB_6	0.39	0.05	8.04	0.00	0.39	0.30	0.30
17	Positive	=~	PWB_7	1.00	0.08	12.58	0.00	1.00	0.78	0.78
18	Positive	=~	PWB_8	0.92	0.08	11.89	0.00	0.92	0.66	0.66
19	PWB	~~	Negative	0.00	0.00			0.00	0.00	0.00
20	PWB	~~	Positive	0.00	0.00			0.00	0.00	0.00
21	Negative	~~	Positive	0.00	0.00			0.00	0.00	0.00
22	PWB_1	~~	PWB_1	1.50	0.09	17.18	0.00	1.50	0.58	0.58
23	PWB_2	~~	PWB_2	0.24	0.54	0.44	0.66	0.24	0.12	0.12
24	PWB_3	~~	PWB_3	0.97	0.08	12.27	0.00	0.97	0.39	0.39
25	PWB_4	~~	PWB_4	1.64	0.09	18.46	0.00	1.64	0.71	0.71
26	PWB_5	~~	PWB_5	0.94	0.08	11.69	0.00	0.94	0.36	0.36
27	PWB_6	~~	PWB_6	1.03	0.07	15.61	0.00	1.03	0.61	0.61
28	PWB_7	~~	PWB_7	0.64	0.14	4.49	0.00	0.64	0.39	0.39
29	PWB_8	~~	PWB_8	1.07	0.13	8.44	0.00	1.07	0.55	0.55
30	PWB_9	~~	PWB_9	1.59	0.10	16.15	0.00	1.59	0.78	0.78
31	PWB	~~	PWB	1.00	0.00			1.00	1.00	1.00
32	Negative	~~	Negative	1.00	0.00			1.00	1.00	1.00
33	Positive	~~	Positive	1.00	0.00			1.00	1.00	1.00
34	PWB_1	~1		3.90	0.06	69.04	0.00	3.90	2.42	2.42
35	PWB_2	~1		3.87	0.05	76.68	0.00	3.87	2.68	2.68
36	PWB_3	~1		4.15	0.06	74.92	0.00	4.15	2.62	2.62
37	PWB_4	~1		4.02	0.05	75.79	0.00	4.02	2.65	2.65
38	PWB_5	~1		2.88	0.06	50.88	0.00	2.88	1.78	1.78
39	PWB_6	~1		4.50	0.05	98.96	0.00	4.50	3.46	3.46
40	PWB_7	~1		4.55	0.04	101.16	0.00	4.55	3.54	3.54
41	PWB_8	~1		4.36	0.05	89.36	0.00	4.36	3.13	3.13
42	PWB_9	~1		4.80	0.05	95.93	0.00	4.80	3.36	3.36
43	PWB	~1		0.00	0.00			0.00	0.00	0.00
44	Negative	~1		0.00	0.00			0.00	0.00	0.00
45	Positive	~1		0.00	0.00			0.00	0.00	0.00

Table 5. Bifactor Model CFA PWB

	lhs	op	rhs	est	se	z	pvalue	std.lv	std.all	std.nox
1	PWB	=~	PWB_1	0.93	0.07	13.92	0.00	0.93	0.58	0.58
2	PWB	=~	PWB_2	0.87	0.06	14.36	0.00	0.87	0.60	0.60
3	PWB	=~	PWB_3	1.02	0.07	15.14	0.00	1.02	0.64	0.64
4	PWB	=~	PWB_4	0.92	0.06	15.35	0.00	0.92	0.60	0.60
5	PWB	=~	PWB_5	-1.02	0.07	-14.88	0.00	-1.02	-0.63	-0.63
6	PWB	=~	PWB_6	0.39	0.06	6.52	0.00	0.39	0.30	0.30
7	PWB	=~	PWB_7	0.10	0.06	1.68	0.09	0.10	0.08	0.08
8	PWB	=~	PWB_8	0.18	0.06	2.99	0.00	0.18	0.13	0.13
9	PWB	=~	PWB_9	0.71	0.06	12.05	0.00	0.71	0.50	0.50
10	F1	=~	PWB_1	0.47	0.08	5.78	0.00	0.47	0.29	0.29
11	F1	=~	PWB_3	0.67	0.08	8.34	0.00	0.67	0.42	0.42
12	F1	=~	PWB_5	-0.81	0.09	-9.45	0.00	-0.81	-0.50	-0.50
13	F1	=~	PWB_6	0.67	0.08	8.39	0.00	0.67	0.52	0.52
14	F2	=~	PWB_4	0.43	0.06	7.21	0.00	0.43	0.29	0.29
15	F2	=~	PWB_7	1.09	0.09	11.91	0.00	1.09	0.85	0.85
16	F2	=~	PWB_8	0.84	0.08	10.62	0.00	0.84	0.60	0.60
17	F3	=~	PWB_2	0.31				0.31	0.22	0.22
18	F3	=~	PWB_9	0.54				0.54	0.38	0.38
19	PWB	~~	F1	0.00	0.00			0.00	0.00	0.00
20	PWB	~~	F2	0.00	0.00			0.00	0.00	0.00
21	PWB	~~	F3	0.00	0.00			0.00	0.00	0.00
22	F1	~~	F2	0.00	0.00			0.00	0.00	0.00
23	F1	~~	F3	0.00	0.00			0.00	0.00	0.00
24	F2	~~	F3	0.00	0.00			0.00	0.00	0.00
25	PWB_1	~~	PWB_1	1.51	0.09	17.15	0.00	1.51	0.58	0.58
26	PWB_2	~~	PWB_2	1.22				1.22	0.59	0.59
27	PWB_3	~~	PWB_3	1.03	0.07	14.13	0.00	1.03	0.41	0.41
28	PWB_4	~~	PWB_4	1.27	0.09	14.37	0.00	1.27	0.55	0.55
29	PWB_5	~~	PWB_5	0.93	0.08	10.97	0.00	0.93	0.36	0.36
30	PWB_6	~~	PWB_6	1.08	0.09	11.98	0.00	1.08	0.64	0.64
31	PWB_7	~~	PWB_7	0.45	0.18	2.44	0.01	0.45	0.27	0.27
32	PWB_8	~~	PWB_8	1.21	0.12	10.02	0.00	1.21	0.62	0.62
33	PWB_9	~~	PWB_9	1.24				1.24	0.61	0.61
34	PWB	~~	PWB	1.00	0.00			1.00	1.00	1.00
35	F1	~~	F1	1.00	0.00			1.00	1.00	1.00
36	F2	~~	F2	1.00	0.00			1.00	1.00	1.00
37	F3	~~	F3	1.00	0.00			1.00	1.00	1.00
38	PWB_1	~1		3.90	0.06	69.04	0.00	3.90	2.42	2.42
39	PWB_2	~1		3.87	0.05	76.68	0.00	3.87	2.68	2.68
40	PWB_3	~1		4.15	0.06	74.92	0.00	4.15	2.62	2.62
41	PWB_4	~1		4.02	0.05	75.79	0.00	4.02	2.65	2.65
42	PWB_5	~1		2.88	0.06	50.88	0.00	2.88	1.78	1.78
43	PWB_6	~1		4.50	0.05	98.96	0.00	4.50	3.46	3.46
44	PWB_7	~1		4.55	0.04	101.16	0.00	4.55	3.54	3.54
45	PWB_8	~1		4.36	0.05	89.36	0.00	4.36	3.13	3.13
46	PWB_9	~1		4.80	0.05	95.93	0.00	4.80	3.36	3.36
47	PWB	~1		0.00	0.00			0.00	0.00	0.00
48	F1	~1		0.00	0.00			0.00	0.00	0.00
49	F2	~1		0.00	0.00			0.00	0.00	0.00
50	F3	~1		0.00	0.00			0.00	0.00	0.00

Table 6. Bifactor (Negative) Model CFA PWB

	lhs	op	rhs	est	se	z	pvalue	std.lv	std.all	std.nox
1	Negative	=~	PWB_1	1.43	78.75	0.02	0.99	1.43	0.89	0.89
2	Negative	=~	PWB_2	0.97	53.66	0.02	0.99	0.97	0.67	0.67
3	Negative	=~	PWB_3	1.54	85.12	0.02	0.99	1.54	0.97	0.97
4	Negative	=~	PWB_4	0.94	51.67	0.02	0.99	0.94	0.62	0.62
5	Negative	=~	PWB_5	-1.57	86.80	-0.02	0.99	-1.57	-0.97	-0.97
6	Negative	=~	PWB_9	0.83	45.71	0.02	0.99	0.83	0.58	0.58
7	PWB	=~	PWB_1	0.93	121.08	0.01	0.99	0.93	0.58	0.58
8	PWB	=~	PWB_2	0.92	82.50	0.01	0.99	0.92	0.64	0.64
9	PWB	=~	PWB_3	1.25	130.88	0.01	0.99	1.25	0.79	0.79
10	PWB	=~	PWB_4	1.22	79.44	0.02	0.99	1.22	0.81	0.81
11	PWB	=~	PWB_5	-1.33	133.47	-0.01	0.99	-1.33	-0.83	-0.83
12	PWB	=~	PWB_6	0.48	0.05	8.78	0.00	0.48	0.37	0.37
13	PWB	=~	PWB_7	0.97	0.06	17.22	0.00	0.97	0.76	0.76
14	PWB	=~	PWB_8	0.95	0.06	16.45	0.00	0.95	0.68	0.68
15	PWB	=~	PWB_9	0.73	70.28	0.01	0.99	0.73	0.51	0.51
16	PWB_1	~~	PWB_1	1.42	0.09	15.57	0.00	1.42	0.55	0.55
17	PWB_2	~~	PWB_2	1.45	0.08	18.06	0.00	1.45	0.70	0.70
18	PWB_3	~~	PWB_3	1.07	0.08	13.86	0.00	1.07	0.43	0.43
19	PWB_4	~~	PWB_4	1.42	0.08	17.41	0.00	1.42	0.62	0.62
20	PWB_5	~~	PWB_5	1.08	0.08	13.84	0.00	1.08	0.42	0.42
21	PWB_9	~~	PWB_9	1.61	0.08	18.97	0.00	1.61	0.79	0.79
22	PWB_6	~~	PWB_6	1.46	0.08	18.51	0.00	1.46	0.86	0.86
23	PWB_7	~~	PWB_7	0.71	0.09	8.01	0.00	0.71	0.43	0.43
24	PWB_8	~~	PWB_8	1.04	0.09	11.46	0.00	1.04	0.53	0.53
25	Negative	~~	Negative	1.00	0.00			1.00	1.00	1.00
26	PWB	~~	PWB	1.00	0.00			1.00	1.00	1.00
27	Negative	~~	PWB	-0.65	48.95	-0.01	0.99	-0.65	-0.65	-0.65
28	PWB_1	~1		3.90	0.06	69.04	0.00	3.90	2.42	2.42
29	PWB_2	~1		3.87	0.05	76.68	0.00	3.87	2.68	2.68
30	PWB_3	~1		4.15	0.06	74.92	0.00	4.15	2.62	2.62
31	PWB_4	~1		4.02	0.05	75.79	0.00	4.02	2.65	2.65
32	PWB_5	~1		2.88	0.06	50.88	0.00	2.88	1.78	1.78
33	PWB_9	~1		4.80	0.05	95.93	0.00	4.80	3.36	3.36
34	PWB_6	~1		4.50	0.05	98.96	0.00	4.50	3.46	3.46
35	PWB_7	~1		4.55	0.04	101.16	0.00	4.55	3.54	3.54
36	PWB_8	~1		4.36	0.05	89.36	0.00	4.36	3.13	3.13
37	Negative	~1		0.00	0.00			0.00	0.00	0.00
38	PWB	~1		0.00	0.00			0.00	0.00	0.00