

Online Supplemental Results

Contents:

1. Additional Results Tables for Simulation 1.
2. Additional Results Tables for Simulation 2.

Table 1

Percent Bias in Models Omitting the Unique Factor Correlations by Parameter and Simulation Condition, Simulation 1:
 $N = 125$, 1 Unique Factor Correlation.

Path:	Regression FS			Bartlett FS			Croon			SEM		
	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>
Unique Factor Correlation = .1												
$\alpha(.7)$												
CS	-29.65	-29.14	-50.08	-29.83	-29.11	-50.34	-0.92	-3.22	-4.11	2.13	-0.40	1.57
MS	-29.65	-10.07	-36.14	-29.83	-10.1	-36.44	-0.92	26.67	26.29	14.28	39.98	60.85
$\alpha(.8)$												
CS	-18.84	-18.97	-34.18	-18.88	-18.55	-33.93	0.46	-0.28	0.30	1.95	1.30	3.45
MS	-18.84	4.33	-14.78	-18.88	4.85	-14.43	0.46	29.83	31.04	10.96	38.14	53.97
$\alpha(.9)$												
CS	-9.96	-9.97	-18.93	-9.99	-9.93	-18.97	-0.23	-0.47	-0.74	0.32	0.14	0.43
MS	-9.96	16.66	5.52	-9.99	16.71	5.50	-0.23	29.35	29.5	5.29	33.23	40.78
Unique Factor Correlation = .3												
$\alpha(.7)$												
CS	-26.67	-26.7	-46.28	-26.7	-26.67	-46.37	3.25	1.24	4.57	8.24	6.05	14.93
MS	-26.67	-6.74	-31.14	-26.7	-6.75	-31.22	3.25	31.33	36.26	19.83	46.01	75.53
$\alpha(.8)$												
CS	-17.33	-17.31	-31.52	-17.47	-17.08	-31.55	2.40	1.90	4.50	4.38	3.78	8.47
MS	-17.33	6.23	-11.63	-17.47	6.48	-11.63	2.40	31.93	35.7	13.35	40.72	60.15
$\alpha(.9)$												
CS	-9.35	-9.35	-17.8	-9.28	-9.34	-17.77	0.44	0.2	0.64	1.11	0.84	1.96
MS	-9.35	17.96	7.46	-9.28	17.95	7.51	0.44	30.71	31.81	6.29	34.8	43.84
Unique Factor Correlation = .5												
$\alpha(.7)$												
CS	-24.49	-25.05	-43.41	-24.32	-25.21	-43.47	6.73	4.07	11.37	16.93	12.41	31.99
MS	-24.49	-3.69	-26.72	-24.32	-3.90	-26.71	6.73	35.87	45.86	28.5	54.77	99.57
$\alpha(.8)$												
CS	-16.55	-16.94	-30.58	-16.67	-16.8	-30.62	3.50	2.39	6.08	6.88	5.28	12.58
MS	-16.55	7.12	-10.03	-16.67	7.28	-10.04	3.50	33.12	38.38	16.19	43.59	67.43
$\alpha(.9)$												
CS	-8.31	-8.73	-16.25	-8.34	-8.63	-16.21	1.61	1.06	2.74	2.48	1.93	4.53
MS	-8.31	18.64	9.28	-8.34	18.76	9.34	1.61	31.62	34.22	7.65	35.97	46.89

Note: Regression FS = regression FSR method, Bartlett FS = Bartlett FSR method, Croon = Croon's method using the original formulas uncorrected for unique factor correlations, SEM = Structural Equation Modeling (Simultaneous Estimation) under the assumption of conditionally independent uniquenesses, CS = correct structural model specification (c' path freely estimated), MS = structural misspecification (c' path constrained to 0). Bold entries indicate absolute values of percent bias > 10.

Table 2

Percent Bias in Models Correctly Specifying the Unique Factor Structure by Parameter and Simulation Condition,
Simulation 1: $N = 125$, 1 Unique Factor Correlation.

Path:	Hoshino-Bentler			Croon FM			Croon MM			SEM		
	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>
Unique Factor Correlation = .1												
$\alpha(.7)$												
CS	1.64	-0.79	0.71	-2.73	-4.65	-7.31	-0.06	-1.87	-2.11	-0.06	-1.87	-2.11
MS	1.64	30.13	33.02	-2.73	24.71	22.09	-0.06	28.49	29.12	12.09	37.73	55.29
$\alpha(.8)$												
CS	1.76	1.13	3.09	-0.59	-0.95	-1.44	0.75	0.53	1.43	0.75	0.53	1.43
MS	1.76	31.6	34.55	-0.59	28.80	28.66	0.75	30.67	32.27	9.71	37.00	51.03
$\alpha(.9)$												
CS	0.26	0.10	0.33	-0.71	-0.82	-1.56	-0.21	-0.18	-0.41	-0.21	-0.18	-0.41
MS	0.26	30.05	30.85	-0.71	28.84	28.37	-0.21	29.60	29.79	4.71	32.71	39.46
Unique Factor Correlation = .3												
$\alpha(.7)$												
CS	5.43	3.94	9.63	-2.32	-2.92	-5.3	0.46	0.83	1.21	0.46	0.83	1.21
MS	5.43	34.25	42.17	-2.32	25.55	23.25	0.46	29.64	30.84	11.56	38.04	54.72
$\alpha(.8)$												
CS	3.28	2.81	6.31	-0.90	-0.58	-1.34	0.28	0.76	1.18	0.28	0.76	1.18
MS	3.28	33.22	38.19	-0.90	28.47	27.94	0.28	30.22	31.21	8.57	36.00	48.38
$\alpha(.9)$												
CS	0.79	0.60	1.39	-1.02	-0.82	-1.83	-0.56	-0.23	-0.79	-0.56	-0.23	-0.79
MS	0.79	31.24	32.80	-1.02	29.22	28.42	-0.56	29.94	29.74	4.15	32.87	38.96
Unique Factor Correlation = .5												
$\alpha(.7)$												
CS	8.27	6.77	15.85	-2.54	-3.29	-5.74	-0.18	0.84	0.66	-0.18	0.84	0.66
MS	8.27	38.42	50.67	-2.54	25.90	23.52	-0.18	29.95	30.47	10.59	38.07	53.65
$\alpha(.8)$												
CS	4.23	3.13	7.53	-1.94	-1.60	-3.45	-0.82	-0.18	-0.98	-0.82	-0.18	-0.98
MS	4.23	34.22	40.48	-1.94	27.42	25.58	-0.82	29.17	28.72	6.91	34.52	44.55
$\alpha(.9)$												
CS	1.89	1.41	3.39	-0.85	-0.64	-1.42	-0.43	-0.04	-0.40	-0.43	-0.04	-0.4
MS	1.89	32.07	35.06	-0.85	29.09	28.50	-0.43	29.78	29.74	3.70	32.37	37.82

Note: Hoshino-Bentler indicates Hoshino and Bentler's (2013) FSR method, Croon FM = Croon's method corrected for correlated uniquenesses at the factor model level, Croon MM = Croon's method corrected for correlated uniquenesses at the measurement model level, SEM = Structural Equation Modeling (Simultaneous Estimation) correctly specifying the correlated residual structure, CS = correct structural model specification (c' path freely estimated), MS = structural misspecification (c' path constrained to 0). Bold entries indicate absolute values of percent bias > 10.

Table 3

Percent Bias in Models Omitting the Unique Factor Correlations by Parameter and Simulation Condition, Simulation 1:
 $N = 250$, 1 Unique Factor Correlation.

Path:	Regression FS			Bartlett FS			Croon			SEM		
	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>
Unique Factor Correlation = .1												
$\alpha(.7)$												
CS	-29.10	-27.71	-48.71	-28.98	-27.50	-48.50	0.66	0.36	1.10	2.24	1.90	4.29
MS	-29.10	-8.62	-34.94	-28.98	-8.37	-34.65	0.66	30.18	31.43	14.15	41.31	61.71
$\alpha(.8)$												
CS	-19.46	-18.33	-34.19	-19.43	-18.38	-34.26	0.41	0.53	0.97	1.16	1.27	2.46
MS	-19.46	4.72	-15.42	-19.43	4.64	-15.47	0.41	30.47	31.26	10.22	37.74	52.10
$\alpha(.9)$												
CS	-9.96	-10.03	-18.99	-10.00	-10.03	-19.04	-0.10	-0.56	-0.67	0.18	-0.26	-0.10
MS	-9.96	16.79	5.41	-10.00	16.79	5.36	-0.10	29.60	29.73	5.19	33.13	40.31
Unique Factor Correlation = .3												
$\alpha(.7)$												
CS	-26.72	-25.33	-45.22	-26.86	-25.32	-45.37	3.86	3.60	7.75	7.02	6.41	14.06
MS	-26.72	-5.33	-30.30	-26.86	-5.34	-30.45	3.86	34.21	39.86	18.99	46.91	75.23
$\alpha(.8)$												
CS	-17.92	-17.33	-32.11	-17.81	-17.53	-32.22	2.43	1.82	4.33	3.67	3.01	6.83
MS	-17.92	6.50	-12.31	-17.81	6.23	-12.43	2.43	32.58	36.11	13.01	40.61	59.24
$\alpha(.9)$												
CS	-8.98	-8.92	-17.06	-9.02	-8.92	-17.13	1.03	0.80	1.86	1.42	1.16	2.61
MS	-8.98	18.14	7.80	-9.02	18.12	7.72	1.03	31.13	32.75	6.53	34.79	43.88
Unique Factor Correlation = .5												
$\alpha(.7)$												
CS	-23.29	-24.19	-41.79	-23.21	-24.25	-41.83	8.81	5.56	15.06	17.13	11.89	31.33
MS	-23.29	-2.54	-24.93	-23.21	-2.65	-24.97	8.81	38.09	50.66	28.74	55.40	100.43
$\alpha(.8)$												
CS	-15.52	-16.52	-29.42	-15.59	-16.38	-29.41	5.05	3.00	8.26	7.68	5.27	13.42
MS	-15.52	8.21	-8.29	-15.59	8.37	-8.26	5.05	34.78	41.91	17.08	44.37	69.37
$\alpha(.9)$												
CS	-7.72	-8.40	-15.48	-7.66	-8.45	-15.48	2.40	1.41	3.83	3.00	2.00	5.03
MS	-7.72	19.17	10.19	-7.66	19.10	10.19	2.40	32.18	35.56	8.20	36.17	47.56

Note: Regression FS = regression FSR method, Bartlett FS = Bartlett FSR method, Croon = Croon's method using the original formulas uncorrected for unique factor correlations, SEM = Structural Equation Modeling (Simultaneous Estimation) under the assumption of conditionally independent uniquenesses, CS = correct structural model specification (c' path freely estimated), MS = structural misspecification (c' path constrained to 0). Bold entries indicate absolute values of percent bias > 10.

Table 4

Percent Bias in Models Correctly Specifying the Unique Factor Structure by Parameter and Simulation Condition,
Simulation 1: $N = 250$, 1 Unique Factor Correlation.

Path:	Hoshino-Bentler			Croon FM			Croon MM			SEM		
	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>
Unique Factor Correlation = .1												
$\alpha(.7)$												
CS	1.88	1.60	3.61	-1.17	-0.86	-1.93	0.16	0.58	0.84	0.16	0.58	0.84
MS	1.88	31.84	34.71	-1.17	28.3	27.21	0.16	30.16	30.78	12.01	39.20	56.35
$\alpha(.8)$												
CS	1.01	1.17	2.20	-0.66	-0.24	-0.88	0.00	0.48	0.48	0.00	0.48	0.48
MS	1.01	31.28	32.85	-0.66	29.34	28.73	0.00	30.25	30.48	9.00	36.55	49.13
$\alpha(.9)$												
CS	0.13	-0.31	-0.19	-0.60	-0.90	-1.50	-0.35	-0.61	-0.97	-0.35	-0.61	-0.97
MS	0.13	29.92	30.35	-0.60	29.10	28.59	-0.35	29.46	29.26	4.60	32.59	38.96
Unique Factor Correlation = .3												
$\alpha(.7)$												
CS	4.47	4.61	9.45	-1.81	-0.57	-2.29	-0.60	1.21	0.72	-0.60	1.21	0.72
MS	4.47	35.34	41.86	-1.81	28.30	26.42	-0.60	30.29	29.96	10.79	38.75	54.18
$\alpha(.8)$												
CS	2.68	2.28	5.06	-0.94	-0.55	-1.46	-0.34	0.29	-0.02	-0.34	0.29	-0.02
MS	2.68	33.08	36.96	-0.94	29.11	28.22	-0.34	30.07	29.95	8.32	36.05	47.74
$\alpha(.9)$												
CS	1.11	0.92	2.06	-0.47	-0.22	-0.67	-0.25	0.04	-0.18	-0.25	0.04	-0.18
MS	1.11	31.28	33.01	-0.47	29.59	29.26	-0.25	29.93	29.88	4.41	32.84	38.99
Unique Factor Correlation = .5												
$\alpha(.7)$												
CS	9.09	6.51	16.37	-0.66	-1.44	-2.06	0.46	0.54	1.08	0.46	0.54	1.08
MS	9.09	39.01	52.09	-0.66	28.25	27.76	0.46	30.30	31.30	11.27	38.37	54.43
$\alpha(.8)$												
CS	5.22	3.36	8.81	-0.50	-0.82	-1.29	0.09	0.05	0.18	0.09	0.05	0.18
MS	5.22	35.13	42.50	-0.50	29.13	28.79	0.09	30.06	30.49	7.89	35.45	46.51
$\alpha(.9)$												
CS	2.46	1.59	4.06	-0.08	-0.29	-0.39	0.16	0.07	0.21	0.16	0.07	0.21
MS	2.46	32.33	35.79	-0.08	29.65	29.76	0.16	30.02	30.45	4.31	32.61	38.56

Note: Hoshino-Bentler indicates Hoshino and Bentler's (2013) FSR method, Croon FM = Croon's method corrected for correlated uniquenesses at the factor model level, Croon MM = Croon's method corrected for correlated uniquenesses at the measurement model level, SEM = Structural Equation Modeling (Simultaneous Estimation) correctly specifying the correlated residual structure, CS = correct structural model specification (c' path freely estimated), MS = structural misspecification (c' path constrained to 0). Bold entries indicate absolute values of percent bias > 10.

Table 5

Percent Bias in Models Omitting the Unique Factor Correlations by Parameter and Simulation Condition, Simulation 1: $N = 250$, 2 Unique Factor Correlations.

Path:	Regression FS			Bartlett FS			Croon			SEM		
	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>
Unique Factor Correlation = .1												
$\alpha(.7)$												
CS	-27.93	-26.68	-47.12	-27.35	-26.96	-46.97	2.72	1.88	4.76	4.34	3.54	8.18
MS	-27.93	-6.94	-32.68	-27.35	-7.32	-32.45	2.72	32.07	36.03	16.25	43.32	66.96
$\alpha(.8)$												
CS	-18.03	-17.89	-32.64	-18.01	-17.89	-32.65	2.03	1.11	3.25	2.79	1.99	4.93
MS	-18.03	5.71	-13.08	-18.01	5.70	-13.08	2.03	31.58	34.56	11.87	38.99	55.82
$\alpha(.9)$												
CS	-9.16	-9.08	-17.35	-9.10	-9.14	-17.36	0.87	0.65	1.58	1.15	0.96	2.18
MS	-9.16	17.91	7.37	-9.10	17.83	7.36	0.87	30.84	32.23	6.25	34.42	43.09
Unique Factor Correlation = .3												
$\alpha(.7)$												
CS	-22.45	-23.98	-40.99	-22.32	-24.12	-41.04	10.10	5.97	16.91	13.53	8.87	23.87
MS	-22.45	-1.91	-23.64	-22.32	-2.09	-23.66	10.10	39.05	53.49	25.66	52.28	91.67
$\alpha(.8)$												
CS	-14.98	-15.71	-28.29	-15.02	-15.72	-28.38	5.93	4.16	10.39	7.35	5.52	13.34
MS	-14.98	9.29	-6.82	-15.02	9.27	-6.92	5.93	36.15	44.51	16.84	44.42	69.06
$\alpha(.9)$												
CS	-7.51	-8.42	-15.3	-7.46	-8.41	-15.28	2.65	1.42	4.07	3.05	1.83	4.90
MS	-7.51	19.38	10.62	-7.46	19.37	10.65	2.65	32.48	36.18	8.28	36.28	47.77
Unique Factor Correlation = .5												
$\alpha(.7)$												
CS	-16.96	-20.15	-33.65	-16.84	-19.99	-33.47	17.70	13.47	33.87	25.21	19.86	50.43
MS	-16.96	4.14	-13.24	-16.84	4.32	-12.98	17.70	47.93	74.48	36.28	63.87	123.47
$\alpha(.8)$												
CS	-11.31	-13.80	-23.50	-11.38	-13.76	-23.56	10.51	7.11	18.43	13.37	9.63	24.37
MS	-11.31	12.66	0.20	-11.38	12.70	0.14	10.51	40.46	55.49	23.08	50.37	85.34
$\alpha(.9)$												
CS	-5.75	-6.86	-12.18	-5.79	-6.84	-12.22	4.59	3.32	8.09	5.28	4.00	9.53
MS	-5.75	21.35	14.60	-5.79	21.37	14.56	4.59	34.69	41.09	10.62	38.83	53.82

Note: Regression FS = regression FSR method, Bartlett FS = Bartlett FSR method, Croon = Croon's method using the original formulas uncorrected for unique factor correlations, SEM = Structural Equation Modeling (Simultaneous Estimation) under the assumption of conditionally independent uniquenesses, CS = correct structural model specification (c' path freely estimated), MS = structural misspecification (c' path constrained to 0). Bold entries indicate absolute values of percent bias > 10.

Table 6

Percent Bias in Models Correctly Specifying the Unique Factor Structure by Parameter and Simulation Condition,
Simulation 1: $N = 250$, 2 Unique Factor Correlations.

Path:	Hoshino-Bentler			Croon FM			Croon MM			SEM		
	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>
Unique Factor Correlation = .1												
$\alpha(.7)$												
CS	3.78	3.11	7.12	-1.02	-0.88	-1.81	0.22	0.74	1.05	0.22	0.74	1.05
MS	3.78	33.61	39.02	-1.02	28.18	27.25	0.22	30.10	30.76	12.06	39.19	56.38
$\alpha(.8)$												
CS	2.55	1.82	4.53	-0.17	-0.49	-0.58	0.46	0.38	0.92	0.46	0.38	0.92
MS	2.55	32.37	36.07	-0.17	29.28	29.37	0.46	30.24	31.15	9.37	36.53	49.67
$\alpha(.9)$												
CS	1.07	0.90	2.04	-0.12	-0.05	-0.10	0.12	0.26	0.44	0.12	0.26	0.44
MS	1.07	31.14	32.80	-0.12	29.80	29.91	0.12	30.17	30.58	5.07	33.29	40.33
Unique Factor Correlation = .3												
$\alpha(.7)$												
CS	10.04	6.04	16.90	-1.25	-2.33	-3.45	-0.30	-0.83	-1.00	-0.3	-0.83	-1.00
MS	10.04	39.29	53.68	-1.25	27.35	26.16	-0.30	29.09	29.13	10.81	37.45	52.79
$\alpha(.8)$												
CS	5.88	4.43	10.64	-0.74	-0.38	-1.08	-0.21	0.44	0.27	-0.21	0.44	0.27
MS	5.88	36.29	44.60	-0.74	29.41	28.76	-0.21	30.26	30.30	7.88	35.82	46.89
$\alpha(.9)$												
CS	2.58	1.53	4.11	-0.29	-0.61	-0.93	-0.11	-0.27	-0.41	-0.11	-0.27	-0.41
MS	2.58	32.52	36.12	-0.29	29.44	29.27	-0.11	29.77	29.84	4.19	32.46	38.23
Unique Factor Correlation = .5												
$\alpha(.7)$												
CS	16.41	12.47	31.14	-1.02	-0.87	-1.83	-0.36	0.54	0.26	-0.36	0.54	0.26
MS	16.41	46.94	71.43	-1.02	28.63	27.71	-0.36	30.13	30.09	9.11	37.06	50.05
$\alpha(.8)$												
CS	9.75	6.73	17.22	-0.56	-0.64	-1.16	-0.20	0.00	-0.13	-0.2	0.00	-0.13
MS	9.75	39.82	53.76	-0.56	29.17	28.78	-0.20	29.85	29.94	6.48	34.37	43.50
$\alpha(.9)$												
CS	4.27	3.23	7.68	-0.41	-0.04	-0.42	-0.23	0.31	0.12	-0.23	0.31	0.12
MS	4.27	34.42	40.40	-0.41	29.66	29.37	-0.23	29.97	29.93	3.12	31.99	36.39

Note: Hoshino-Bentler indicates Hoshino and Bentler's (2013) FSR method, Croon FM = Croon's method corrected for correlated uniquenesses at the factor model level, Croon MM = Croon's method corrected for correlated uniquenesses at the measurement model level, SEM = Structural Equation Modeling (Simultaneous Estimation) correctly specifying the correlated residual structure, CS = correct structural model specification (c' path freely estimated), MS = structural misspecification (c' path constrained to 0). Bold entries indicate absolute values of percent bias > 10.

Table 7

Percent Bias in Models Omitting the Unique Factor Correlations by Parameter and Simulation Condition, Simulation 1:
N = 500, 1 Unique Factor Correlation.

Path:	Regression FS			Bartlett FS			Croon			SEM		
	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>
Unique Factor Correlation = .1												
$\alpha(.7)$												
CS	-29.11	-27.42	-48.54	-29.21	-27.36	-48.58	0.92	0.32	1.28	1.82	1.22	3.09
MS	-29.11	-8.19	-34.78	-29.21	-8.11	-34.82	0.92	30.84	32.24	13.85	41.03	60.78
$\alpha(.8)$												
CS	-19.23	-18.62	-34.26	-19.22	-18.65	-34.30	0.83	0.18	1.03	1.26	0.61	1.89
MS	-19.23	4.57	-15.41	-19.22	4.53	-15.46	0.83	30.50	31.72	10.30	37.36	51.66
$\alpha(.9)$												
CS	-9.69	-9.81	-18.56	-9.73	-9.78	-18.57	0.26	-0.25	0.01	0.41	-0.10	0.30
MS	-9.69	17.11	5.88	-9.73	17.15	5.86	0.26	30.06	30.51	5.44	33.41	40.79
Unique Factor Correlation = .3												
$\alpha(.7)$												
CS	-26.09	-25.41	-44.85	-25.94	-25.45	-44.79	5.25	3.87	9.43	7.61	5.83	14.00
MS	-26.09	-5.02	-29.67	-25.94	-5.08	-29.57	5.25	35.20	42.51	19.61	46.92	75.92
$\alpha(.8)$												
CS	-17.51	-17.01	-31.52	-17.52	-17.06	-31.60	2.88	2.33	5.29	3.80	3.12	7.04
MS	-17.51	6.77	-11.79	-17.52	6.70	-11.88	2.88	33.07	37.03	12.96	40.48	58.83
$\alpha(.9)$												
CS	-8.44	-9.06	-16.74	-8.47	-9.02	-16.74	1.63	0.68	2.31	1.88	0.93	2.81
MS	-8.44	18.15	8.30	-8.47	18.20	8.30	1.63	31.21	33.46	6.94	34.71	44.17
Unique Factor Correlation = .5												
$\alpha(.7)$												
CS	-23.03	-24.14	-41.59	-23.05	-24.22	-41.71	9.70	5.99	16.32	17.24	11.45	30.75
MS	-23.03	-2.54	-24.82	-23.05	-2.67	-24.97	9.70	38.73	52.40	28.81	55.11	100.01
$\alpha(.8)$												
CS	-15.74	-16.26	-29.44	-15.66	-16.31	-29.43	5.19	3.58	8.95	7.41	5.51	13.33
MS	-15.74	8.31	-8.60	-15.66	8.24	-8.58	5.19	35.14	42.29	16.80	44.23	68.61
$\alpha(.9)$												
CS	-7.47	-8.43	-15.26	-7.50	-8.40	-15.26	2.72	1.46	4.24	3.17	1.89	5.13
MS	-7.47	19.14	10.36	-7.50	19.17	10.36	2.72	32.31	36.02	8.31	36.08	47.51

Note: Regression FS = regression FSR method, Bartlett FS = Bartlett FSR method, Croon = Croon's method using the original formulas uncorrected for unique factor correlations, SEM = Structural Equation Modeling (Simultaneous Estimation) under the assumption of conditionally independent uniquenesses, CS = correct structural model specification (*c'* path freely estimated), MS = structural misspecification (*c'* path constrained to 0). Bold entries indicate absolute values of percent bias > 10.

Table 8

Percent Bias in Models Correctly Specifying the Unique Factor Structure by Parameter and Simulation Condition,
Simulation 1: $N = 500$, 1 Unique Factor Correlation.

Path:	Hoshino-Bentler			Croon FM			Croon MM			SEM		
	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>
Unique Factor Correlation = .1												
$\alpha(.7)$												
CS	1.52	0.99	2.55	-1.00	-0.95	-1.92	-0.29	-0.19	-0.46	-0.29	-0.19	-0.46
MS	1.52	31.61	33.80	-1.00	28.91	27.81	-0.29	29.82	29.64	11.68	38.87	55.32
$\alpha(.8)$												
CS	1.12	0.51	1.65	-0.35	-0.54	-0.87	0.00	-0.14	-0.13	0.00	-0.14	-0.13
MS	1.12	30.9	32.5	-0.35	29.38	29.07	0.00	29.86	30.00	8.98	36.15	48.54
$\alpha(.9)$												
CS	0.36	-0.14	0.22	-0.25	-0.58	-0.83	-0.12	-0.45	-0.57	-0.12	-0.45	-0.57
MS	0.36	30.20	30.79	-0.25	29.55	29.35	-0.12	29.73	29.69	4.84	32.86	39.42
Unique Factor Correlation = .3												
$\alpha(.7)$												
CS	5.19	4.03	9.54	-0.53	-0.25	-0.72	0.06	0.57	0.71	0.06	0.57	0.71
MS	5.19	35.30	42.54	-0.53	29.23	28.74	0.06	30.12	30.41	11.45	38.68	54.79
$\alpha(.8)$												
CS	2.88	2.38	5.35	-0.48	0.06	-0.43	-0.13	0.41	0.29	-0.13	0.41	0.29
MS	2.88	33.10	37.07	-0.48	29.69	29.19	-0.13	30.12	30.09	8.34	35.99	47.49
$\alpha(.9)$												
CS	1.59	0.70	2.30	0.13	-0.31	-0.19	0.25	-0.17	0.07	0.25	-0.17	0.07
MS	1.59	31.23	33.43	0.13	29.69	29.98	0.25	29.88	30.32	4.85	32.78	39.34
Unique Factor Correlation = .5												
$\alpha(.7)$												
CS	9.35	6.11	16.09	0.00	-0.85	-0.86	0.51	0.19	0.71	0.51	0.19	0.71
MS	9.35	38.71	51.91	0.00	28.87	29.06	0.51	29.91	30.78	11.17	37.88	53.54
$\alpha(.8)$												
CS	5.01	3.62	8.82	-0.47	-0.25	-0.72	-0.20	0.18	-0.02	-0.20	0.18	-0.02
MS	5.01	35.11	42.03	-0.47	29.45	28.99	-0.20	29.94	29.83	7.62	35.32	45.80
$\alpha(.9)$												
CS	2.65	1.45	4.16	0.22	-0.19	0.05	0.35	-0.04	0.33	0.35	-0.04	0.33
MS	2.65	32.24	35.87	0.22	29.79	30.19	0.35	29.94	30.52	4.46	32.51	38.55

Note: Hoshino-Bentler indicates Hoshino and Bentler's (2013) FSR method, Croon FM = Croon's method corrected for correlated uniquenesses at the factor model level, Croon MM = Croon's method corrected for correlated uniquenesses at the measurement model level, SEM = Structural Equation Modeling (Simultaneous Estimation) correctly specifying the correlated residual structure, CS = correct structural model specification (c' path freely estimated), MS = structural misspecification (c' path constrained to 0). Bold entries indicate absolute values of percent bias > 10.

Table 9

Percent Bias in Models Omitting the Unique Factor Correlations by Parameter and Simulation Condition, Simulation 1:
 $N = 500$, 2 Unique Factor Correlations.

Path:	Regression FS			Bartlett FS			Croon			SEM		
	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>
Unique Factor Correlation = .1												
$\alpha(.7)$												
CS	-27.47	-26.41	-46.61	-27.42	-26.47	-46.64	3.26	2.04	5.43	4.13	2.91	7.21
MS	-27.47	-6.62	-32.14	-27.42	-6.70	-32.16	3.26	32.86	37.38	16.08	43.06	66.23
$\alpha(.8)$												
CS	-18.36	-18.03	-33.08	-18.39	-17.94	-33.05	1.83	1.09	2.94	2.26	1.54	3.84
MS	-18.36	5.44	-13.81	-18.39	5.56	-13.75	1.83	31.68	34.21	11.32	38.56	54.38
$\alpha(.9)$												
CS	-9.36	-9.26	-17.74	-9.35	-9.29	-17.78	0.68	0.41	1.10	0.84	0.56	1.40
MS	-9.36	17.73	6.84	-9.35	17.68	6.80	0.68	30.71	31.73	5.92	34.08	42.15
Unique Factor Correlation = .3												
$\alpha(.7)$												
CS	-21.96	-23.02	-39.93	-22.14	-22.89	-40.00	10.91	7.64	19.43	13.50	9.92	24.84
MS	-21.96	-0.90	-22.54	-22.14	-0.76	-22.61	10.91	41.04	56.62	25.55	53.08	92.38
$\alpha(.8)$												
CS	-14.62	-16.07	-28.33	-14.55	-16.13	-28.34	6.64	3.85	10.75	7.68	4.82	12.87
MS	-14.62	9.09	-6.73	-14.55	9.01	-6.74	6.64	36.17	45.34	17.14	44.02	68.84
$\alpha(.9)$												
CS	-7.55	-7.86	-14.78	-7.51	-7.90	-14.80	2.68	2.13	4.89	2.95	2.39	5.43
MS	-7.55	19.67	10.77	-7.51	19.61	10.75	2.68	32.85	36.54	8.14	36.41	47.64
Unique Factor Correlation = .5												
$\alpha(.7)$												
CS	-17.15	-20.38	-34.01	-17.11	-20.31	-33.94	18.11	13.00	33.58	24.93	18.77	48.50
MS	-17.15	3.96	-13.72	-17.11	4.05	-13.60	18.11	48.36	75.43	36.25	63.88	123.38
$\alpha(.8)$												
CS	-10.99	-13.60	-23.10	-11.09	-13.53	-23.15	10.96	7.39	19.15	13.36	9.50	24.13
MS	-10.99	12.94	0.65	-11.09	13.02	0.59	10.96	40.91	56.47	23.02	50.28	84.99
$\alpha(.9)$												
CS	-5.50	-7.34	-12.45	-5.48	-7.33	-12.42	4.92	2.74	7.77	5.45	3.25	8.86
MS	-5.50	21.30	14.73	-5.48	21.32	14.76	4.92	34.70	41.42	10.83	38.70	53.82

Note: Regression FS = regression FSR method, Bartlett FS = Bartlett FSR method, Croon = Croon's method using the original formulas uncorrected for unique factor correlations, SEM = Structural Equation Modeling (Simultaneous Estimation) under the assumption of conditionally independent uniquenesses, CS = correct structural model specification (c' path freely estimated), MS = structural misspecification (c' path constrained to 0). Bold entries indicate absolute values of percent bias > 10.

Table 10

Percent Bias in Models Correctly Specifying the Unique Factor Structure by Parameter and Simulation Condition,
Simulation 1: $N = 500$, 2 Unique Factor Correlations.

Path:	Hoshino-Bentler			Croon FM			Croon MM			SEM		
	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>
Unique Factor Correlation = .1												
$\alpha(.7)$												
CS	3.68	2.58	6.41	-0.53	-0.59	-1.09	0.07	0.16	0.25	0.07	0.16	0.25
MS	3.68	33.51	38.61	-0.53	28.98	28.48	0.07	29.89	30.15	11.93	38.90	55.66
$\alpha(.8)$												
CS	2.06	1.39	3.48	-0.40	-0.37	-0.78	-0.08	0.03	-0.07	-0.08	0.03	-0.07
MS	2.06	32.02	34.86	-0.40	29.44	29.04	-0.08	29.90	29.92	8.83	36.18	48.35
$\alpha(.9)$												
CS	0.77	0.49	1.26	-0.30	-0.27	-0.57	-0.18	-0.16	-0.33	-0.18	-0.16	-0.33
MS	0.77	30.82	31.95	-0.30	29.69	29.43	-0.18	29.85	29.74	4.76	32.97	39.42
Unique Factor Correlation = .3												
$\alpha(.7)$												
CS	10.33	7.53	18.69	-0.51	-0.21	-0.74	-0.03	0.56	0.53	-0.03	0.56	0.53
MS	10.33	40.71	55.44	-0.51	29.54	29.05	-0.03	30.38	30.52	11.01	38.57	54.07
$\alpha(.8)$												
CS	6.28	3.87	10.40	-0.10	-0.71	-0.82	0.15	-0.21	-0.06	0.15	-0.21	-0.06
MS	6.28	35.99	44.66	-0.10	29.34	29.36	0.15	29.84	30.18	8.22	35.44	46.75
$\alpha(.9)$												
CS	2.48	2.05	4.60	-0.34	0.10	-0.22	-0.29	0.25	-0.02	-0.29	0.25	-0.02
MS	2.48	32.73	36.14	-0.34	29.82	29.50	-0.29	30.00	29.75	3.97	32.63	38.04
Unique Factor Correlation = .5												
$\alpha(.7)$												
CS	16.44	11.74	30.21	-1.20	-0.88	-2.03	-0.77	-0.20	-0.93	-0.77	-0.20	-0.93
MS	16.44	46.70	71.03	-1.20	28.81	27.49	-0.77	29.52	28.75	8.80	36.50	48.78
$\alpha(.8)$												
CS	10.03	6.87	17.59	-0.25	-0.32	-0.59	0.02	0.15	0.16	0.02	0.15	0.16
MS	10.03	40.02	54.20	-0.25	29.63	29.45	0.02	30.06	30.23	6.64	34.54	43.65
$\alpha(.9)$												
CS	4.44	2.55	7.09	-0.09	-0.60	-0.71	-0.03	-0.38	-0.43	-0.03	-0.38	-0.43
MS	4.44	34.31	40.37	-0.09	29.65	29.64	-0.03	29.82	29.89	3.35	31.89	36.43

Note: Hoshino-Bentler indicates Hoshino and Bentler's (2013) FSR method, Croon FM = Croon's method corrected for correlated uniquenesses at the factor model level, Croon MM = Croon's method corrected for correlated uniquenesses at the measurement model level, SEM = Structural Equation Modeling (Simultaneous Estimation) correctly specifying the correlated residual structure, CS = correct structural model specification (c' path freely estimated), MS = structural misspecification (c' path constrained to 0). Bold entries indicate absolute values of percent bias > 10.

Table 11

Percent Bias in Models Omitting the Unique Factor Correlations by Parameter and Simulation Condition, Simulation 1:
 $N = 1000$, 1 Unique Factor Correlation.

Path:	Regression FS			Bartlett FS			Croon			SEM		
	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>
Unique Factor Correlation = .1												
$\alpha(.7)$												
CS	-28.47	-27.09	-47.84	-28.41	-27.08	-47.80	1.97	1.05	3.06	2.47	1.54	4.07
MS	-28.47	-7.67	-33.89	-28.41	-7.66	-33.83	1.97	31.64	34.32	14.40	41.32	61.77
$\alpha(.8)$												
CS	-19.14	-18.50	-34.09	-19.08	-18.47	-34.03	1.02	0.50	1.54	1.24	0.72	1.98
MS	-19.14	4.72	-15.26	-19.08	4.75	-15.17	1.02	30.89	32.30	10.28	37.48	51.70
$\alpha(.9)$												
CS	-9.56	-9.48	-18.11	-9.52	-9.48	-18.09	0.46	0.20	0.68	0.54	0.30	0.86
MS	-9.56	17.38	6.23	-9.52	17.38	6.27	0.46	30.39	31.05	5.57	33.64	41.15
Unique Factor Correlation = .3												
$\alpha(.7)$												
CS	-26.06	-25.58	-44.97	-26.20	-25.5	-45.03	5.41	3.44	9.05	7.41	4.88	12.68
MS	-26.06	-5.13	-29.78	-26.20	-5.03	-29.85	5.41	35.40	42.81	19.56	46.69	75.48
$\alpha(.8)$												
CS	-17.49	-17.18	-31.65	-17.46	-17.16	-31.63	3.07	2.33	5.49	3.77	2.95	6.85
MS	-17.49	6.62	-11.95	-17.46	6.63	-11.92	3.07	33.21	37.38	12.95	40.42	58.69
$\alpha(.9)$												
CS	-8.70	-9.04	-16.95	-8.67	-9.06	-16.95	1.44	0.70	2.15	1.62	0.87	2.50
MS	-8.70	18.33	8.10	-8.67	18.30	8.10	1.44	31.44	33.39	6.77	34.88	44.08
Unique Factor Correlation = .5												
$\alpha(.7)$												
CS	-23.17	-24.14	-41.71	-23.23	-24.09	-41.75	9.56	5.97	16.11	16.8	11.05	29.74
MS	-23.17	-2.50	-25.02	-23.23	-2.44	-25.06	9.56	39.12	52.50	28.60	55.23	99.70
$\alpha(.8)$												
CS	-15.35	-16.28	-29.12	-15.44	-16.22	-29.16	5.68	3.53	9.41	7.70	5.14	13.25
MS	-15.35	8.46	-8.13	-15.44	8.52	-8.18	5.68	35.49	43.24	17.11	44.28	69.04
$\alpha(.9)$												
CS	-7.88	-8.19	-15.43	-7.88	-8.17	-15.42	2.32	1.75	4.10	2.70	2.10	4.85
MS	-7.88	19.27	9.93	-7.88	19.30	9.95	2.32	32.51	35.64	7.88	36.19	46.98

Note: Regression FS = regression FSR method, Bartlett FS = Bartlett FSR method, Croon = Croon's method using the original formulas uncorrected for unique factor correlations, SEM = Structural Equation Modeling (Simultaneous Estimation) under the assumption of conditionally independent uniquenesses, CS = correct structural model specification (c' path freely estimated), MS = structural misspecification (c' path constrained to 0). Bold entries indicate absolute values of percent bias > 10.

Table 12

Percent Bias in Models Correctly Specifying the Unique Factor Structure by Parameter and Simulation Condition, Simulation 1: $N = 1000$, 1 Unique Factor Correlation.

Path:	Hoshino-Bentler			Croon FM			Croon MM			SEM		
	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>
Unique Factor Correlation = .1												
$\alpha(.7)$												
CS	2.20	1.35	3.60	0.05	-0.25	-0.19	0.39	0.16	0.57	0.39	0.16	0.57
MS	2.20	32.00	34.99	0.05	29.70	29.86	0.39	30.20	30.80	12.26	39.20	56.37
$\alpha(.8)$												
CS	1.11	0.63	1.76	-0.08	-0.25	-0.32	0.07	-0.07	0.02	0.07	-0.07	0.02
MS	1.11	31.05	32.57	-0.08	29.73	29.70	0.07	29.96	30.14	9.05	36.26	48.67
$\alpha(.9)$												
CS	0.50	0.27	0.79	-0.04	-0.11	-0.15	0.02	-0.02	0.01	0.02	-0.02	0.02
MS	0.50	30.45	31.17	-0.04	29.89	29.89	0.02	29.98	30.08	4.98	33.11	39.81
Unique Factor Correlation = .3												
$\alpha(.7)$												
CS	5.10	3.24	8.52	-0.42	-0.43	-0.85	-0.11	-0.15	-0.26	-0.11	-0.15	-0.26
MS	5.10	35.10	42.08	-0.42	29.56	29.10	-0.11	29.94	29.88	11.41	38.58	54.50
$\alpha(.8)$												
CS	2.84	2.27	5.20	-0.32	0.08	-0.23	-0.18	0.27	0.11	-0.18	0.27	0.11
MS	2.84	33.06	36.92	-0.32	29.79	29.45	-0.18	30.01	29.86	8.31	35.90	47.28
$\alpha(.9)$												
CS	1.34	0.67	2.02	-0.08	-0.27	-0.35	-0.02	-0.20	-0.22	-0.02	-0.20	-0.22
MS	1.34	31.37	33.19	-0.08	29.93	29.89	-0.02	30.02	30.06	4.67	32.95	39.23
Unique Factor Correlation = .5												
$\alpha(.7)$												
CS	8.99	5.78	15.30	-0.24	-0.83	-1.09	0.01	-0.24	-0.25	0.01	-0.24	-0.25
MS	8.99	38.71	51.26	-0.24	29.22	28.97	0.01	29.79	29.88	10.81	37.84	52.83
$\alpha(.8)$												
CS	5.34	3.28	8.81	-0.02	-0.22	-0.23	0.11	-0.10	0.01	0.11	-0.10	0.01
MS	5.34	35.17	42.46	-0.02	29.80	29.85	0.11	29.99	30.20	7.95	35.40	46.26
$\alpha(.9)$												
CS	2.16	1.65	3.84	-0.20	0.11	-0.11	-0.16	0.16	-0.02	-0.16	0.16	-0.02
MS	2.16	32.36	35.28	-0.20	29.99	29.78	-0.16	30.06	29.90	3.97	32.63	37.96

Note: Hoshino-Bentler indicates Hoshino and Bentler's (2013) FSR method, Croon FM = Croon's method corrected for correlated uniquenesses at the factor model level, Croon MM = Croon's method corrected for correlated uniquenesses at the measurement model level, SEM = Structural Equation Modeling (Simultaneous Estimation) correctly specifying the correlated residual structure, CS = correct structural model specification (c' path freely estimated), MS = structural misspecification (c' path constrained to 0). Bold entries indicate absolute values of percent bias > 10.

Table 13

Percent Bias in Models Omitting the Unique Factor Correlations by Parameter and Simulation Condition, Simulation 1:
N = 1000, 2 Unique Factor Correlations.

Path:	Regression FS			Bartlett FS			Croon			SEM		
	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>
Unique Factor Correlation = .1												
$\alpha(.7)$												
CS	-27.27	-26.40	-46.47	-27.33	-26.37	-46.50	3.66	2.08	5.85	4.21	2.59	6.95
MS	-27.27	-6.47	-31.91	-27.33	-6.43	-31.94	3.66	33.38	38.36	16.25	43.17	66.54
$\alpha(.8)$												
CS	-18.38	-17.78	-32.88	-18.43	-17.70	-32.86	1.91	1.47	3.43	2.14	1.71	3.91
MS	-18.38	5.67	-13.68	-18.43	5.77	-13.65	1.91	32.08	34.69	11.22	38.70	54.36
$\alpha(.9)$												
CS	-9.24	-9.26	-17.64	-9.25	-9.28	-17.67	0.84	0.45	1.29	0.92	0.52	1.46
MS	-9.24	17.74	6.92	-9.25	17.71	6.88	0.84	30.79	31.95	5.99	34.07	42.17
Unique Factor Correlation = .3												
$\alpha(.7)$												
CS	-22.00	-23.03	-39.96	-22.02	-23.02	-39.98	11.26	7.92	20.08	13.49	9.79	24.62
MS	-22.00	-0.92	-22.66	-22.02	-0.90	-22.67	11.26	41.36	57.34	25.51	52.91	91.99
$\alpha(.8)$												
CS	-14.94	-15.39	-28.02	-14.97	-15.35	-28.02	6.20	4.85	11.36	7.03	5.54	12.97
MS	-14.94	9.43	-6.85	-14.97	9.49	-6.84	6.20	36.70	45.25	16.44	44.15	67.92
$\alpha(.9)$												
CS	-7.26	-8.15	-14.81	-7.25	-8.17	-14.83	3.02	1.76	4.83	3.22	1.95	5.24
MS	-7.26	19.66	11.03	-7.25	19.63	11.01	3.02	32.89	36.95	8.43	36.39	47.95
Unique Factor Correlation = .5												
$\alpha(.7)$												
CS	-16.35	-20.01	-33.08	-16.35	-20.04	-33.11	19.40	13.86	36.02	25.65	19.31	49.99
MS	-16.35	4.42	-12.58	-16.35	4.38	-12.62	19.40	49.00	78.00	36.61	63.77	123.78
$\alpha(.8)$												
CS	-10.99	-13.79	-23.24	-11.04	-13.76	-23.28	11.17	7.23	19.23	13.34	9.14	23.72
MS	-10.99	12.86	0.54	-11.04	12.89	0.50	11.17	41.00	56.84	23.07	50.20	84.94
$\alpha(.9)$												
CS	-5.30	-6.92	-11.84	-5.30	-6.91	-11.84	5.18	3.30	8.67	5.64	3.72	9.59
MS	-5.30	21.51	15.14	-5.30	21.52	15.14	5.18	34.97	42.02	10.96	38.81	54.09

Note: Regression FS = regression FSR method, Bartlett FS = Bartlett FSR method, Croon = Croon's method using the original formulas uncorrected for unique factor correlations, SEM = Structural Equation Modeling (Simultaneous Estimation) under the assumption of conditionally independent uniquenesses, CS = correct structural model specification (*c'* path freely estimated), MS = structural misspecification (*c'* path constrained to 0). Bold entries indicate absolute values of percent bias > 10.

Table 14

Percent Bias in Models Correctly Specifying the Unique Factor Structure by Parameter and Simulation Condition, Simulation 1: $N = 1000$, 2 Unique Factor Correlations.

Path:	Hoshino-Bentler			Croon FM			Croon MM			SEM		
	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>
Unique Factor Correlation = .1												
$\alpha(.7)$												
CS	3.81	2.29	6.22	-0.19	-0.47	-0.65	0.13	-0.10	0.06	0.13	-0.10	0.06
MS	3.81	33.62	38.81	-0.19	29.49	29.33	0.13	29.94	30.21	12.05	38.99	55.85
$\alpha(.8)$												
CS	1.96	1.58	3.59	-0.33	-0.01	-0.33	-0.19	0.17	0.00	-0.19	0.17	0.00
MS	1.96	32.19	34.86	-0.33	29.81	29.46	-0.19	30.02	29.86	8.74	36.28	48.29
$\alpha(.9)$												
CS	0.86	0.48	1.35	-0.18	-0.21	-0.38	-0.12	-0.14	-0.25	-0.12	-0.14	-0.25
MS	0.86	30.83	32.02	-0.18	29.78	29.60	-0.12	29.86	29.77	4.81	32.97	39.43
Unique Factor Correlation = .3												
$\alpha(.7)$												
CS	10.43	7.49	18.72	-0.42	-0.03	-0.46	-0.16	0.37	0.20	-0.16	0.37	0.20
MS	10.43	40.62	55.37	-0.42	29.70	29.23	-0.16	30.12	29.99	10.84	38.30	53.41
$\alpha(.8)$												
CS	5.69	4.51	10.47	-0.60	0.28	-0.31	-0.49	0.40	-0.08	-0.49	0.40	-0.08
MS	5.69	36.23	44.05	-0.60	29.89	29.18	-0.49	30.06	29.50	7.54	35.56	45.87
$\alpha(.9)$												
CS	2.80	1.64	4.48	0.01	-0.25	-0.24	0.07	-0.17	-0.10	0.07	-0.17	-0.10
MS	2.80	32.68	36.44	0.01	29.84	29.91	0.07	29.92	30.07	4.34	32.59	38.41
Unique Factor Correlation = .5												
$\alpha(.7)$												
CS	17.53	12.36	32.12	-0.06	-0.27	-0.31	0.16	0.16	0.35	0.16	0.16	0.35
MS	17.53	47.17	73.07	-0.06	29.45	29.47	0.16	29.89	30.21	9.62	36.80	50.09
$\alpha(.8)$												
CS	10.01	6.55	17.24	-0.18	-0.49	-0.65	-0.10	-0.24	-0.33	-0.10	-0.24	-0.33
MS	10.01	39.94	54.04	-0.18	29.60	29.47	-0.10	29.84	29.80	6.58	34.35	43.30
$\alpha(.9)$												
CS	4.69	2.97	7.81	0.14	-0.04	0.12	0.20	0.01	0.22	0.20	0.01	0.22
MS	4.69	34.45	40.82	0.14	29.92	30.16	0.20	29.96	30.29	3.54	32.00	36.76

Note: Hoshino-Bentler indicates Hoshino and Bentler's (2013) FSR method, Croon FM = Croon's method corrected for correlated uniquenesses at the factor model level, Croon MM = Croon's method corrected for correlated uniquenesses at the measurement model level, SEM = Structural Equation Modeling (Simultaneous Estimation) correctly specifying the correlated residual structure, CS = correct structural model specification (c' path freely estimated), MS = structural misspecification (c' path constrained to 0). Bold entries indicate absolute values of percent bias > 10.

Table 15

Mean square error ratios in Models Correctly Specifying the Unique Factor Structure by Parameter and Simulation Condition, Simulation 1: $N = 125$, 1 Unique Factor Correlation.

Path:	Hoshino-Bentler			Croon FM			SEM		
	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>
Unique Factor Correlation = .1									
$\alpha(.7)$									
CS	0.99	1.02	1.05	0.96	0.92	0.91	1.00	1.00	1.00
MS	0.99	1.08	1.14	0.96	0.82	0.78	1.27	1.54	2.21
$\alpha(.8)$									
CS	1.00	1.02	1.05	0.99	0.96	0.92	1.00	1.00	1.00
MS	1.00	1.05	1.09	0.99	0.9	0.86	1.27	1.38	1.89
$\alpha(.9)$									
CS	1.00	1.01	1.01	0.99	0.98	0.97	1.00	1.00	1.00
MS	1.00	1.03	1.05	0.99	0.95	0.93	1.06	1.19	1.49
Unique Factor Correlation = .3									
$\alpha(.7)$									
CS	1.07	1.11	1.26	0.99	0.95	0.91	1.00	1.00	1.00
MS	1.07	1.25	1.46	0.99	0.81	0.76	1.24	1.48	2.08
$\alpha(.8)$									
CS	1.03	1.07	1.13	0.98	0.97	0.94	1.00	1.00	1.00
MS	1.03	1.18	1.30	0.98	0.91	0.87	1.23	1.35	1.85
$\alpha(.9)$									
CS	1.00	1.02	1.03	1.00	0.99	0.99	1.00	1.00	1.00
MS	1.00	1.08	1.14	1.00	0.96	0.94	1.05	1.18	1.47
Unique Factor Correlation = .5									
$\alpha(.7)$									
CS	1.21	1.30	1.65	1.03	1.03	0.97	1.00	1.00	1.00
MS	1.21	1.50	1.92	1.03	0.82	0.80	1.27	1.48	2.08
$\alpha(.8)$									
CS	1.04	1.11	1.22	1.03	1.04	1.03	1.00	1.00	1.00
MS	1.04	1.31	1.56	1.03	0.92	0.89	1.16	1.33	1.83
$\alpha(.9)$									
CS	1.01	1.05	1.08	1.01	1.00	0.99	1.00	1.00	1.00
MS	1.01	1.14	1.26	1.01	0.96	0.95	1.06	1.16	1.42

Note: Hoshino-Bentler indicates Hoshino and Bentler's (2013) FSR method, Croon FM = Croon's method corrected for correlated uniquenesses at the factor model level, SEM = Structural Equation Modeling (Simultaneous Estimation), with correctly specified unique factor structure, CS = correct structural model specification (*c*' path freely estimated), MS = structural misspecification (*c*' path constrained to 0). All MSE ratios are divided by the MSE for Croon's method corrected for correlated uniquenesses at the measurement model level (Croon MM), i.e., $MSE_{Estimator}/MSE_{Croon_MM}$.

Table 16

Mean square error ratios in Models Correctly Specifying the Unique Factor Structure by Parameter and Simulation Condition, Simulation 1: $N = 250$, 1 Unique Factor Correlation.

Path:	Hoshino-Bentler			Croon FM			SEM		
	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>
Unique Factor Correlation = .1									
$\alpha(.7)$									
CS	1.01	1.02	1.06	0.99	0.95	0.93	1.00	1.00	1.00
MS	1.01	1.10	1.18	0.99	0.90	0.85	1.69	1.59	2.54
$\alpha(.8)$									
CS	1.01	1.01	1.04	0.99	0.98	0.98	1.00	1.00	1.00
MS	1.01	1.06	1.12	0.99	0.95	0.91	1.62	1.41	2.19
$\alpha(.9)$									
CS	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MS	0.99	1.03	1.06	1.00	0.98	0.96	1.17	1.21	1.60
Unique Factor Correlation = .3									
$\alpha(.7)$									
CS	1.08	1.16	1.33	1.00	0.97	0.95	1.00	1.00	1.00
MS	1.08	1.32	1.61	1.00	0.89	0.85	1.43	1.55	2.40
$\alpha(.8)$									
CS	1.04	1.08	1.17	1.00	1.00	0.98	1.00	1.00	1.00
MS	1.04	1.19	1.38	1.00	0.94	0.91	1.54	1.40	2.14
$\alpha(.9)$									
CS	1.00	1.03	1.06	1.00	1.01	1.00	1.00	1.00	1.00
MS	1.00	1.09	1.17	1.00	0.98	0.97	1.18	1.19	1.55
Unique Factor Correlation = .5									
$\alpha(.7)$									
CS	1.50	1.32	1.86	1.03	1.08	1.02	1.00	1.00	1.00
MS	1.50	1.58	2.22	1.03	0.90	0.85	1.72	1.52	2.38
$\alpha(.8)$									
CS	1.25	1.17	1.44	1.01	1.06	1.02	1.00	1.00	1.00
MS	1.25	1.34	1.72	1.01	0.95	0.92	1.53	1.36	2.01
$\alpha(.9)$									
CS	1.05	1.06	1.13	1.01	1.02	1.00	1.00	1.00	1.00
MS	1.05	1.15	1.30	1.01	0.98	0.96	1.19	1.17	1.49

Note: Hoshino-Bentler indicates Hoshino and Bentler's (2013) FSR method, Croon FM = Croon's method corrected for correlated uniquenesses at the factor model level, SEM = Structural Equation Modeling (Simultaneous Estimation), with correctly specified unique factor structure, CS = correct structural model specification (*c*' path freely estimated), MS = structural misspecification (*c*' path constrained to 0). All MSE ratios are divided by the MSE for Croon's method corrected for correlated uniquenesses at the measurement model level (Croon MM), i.e., $MSE_{Estimator}/MSE_{Croon_MM}$.

Table 17

Mean square error ratios in Models Correctly Specifying the Unique Factor Structure by Parameter and Simulation Condition, Simulation 1: $N = 250$, 2 Unique Factor Correlations.

Path:	Hoshino-Bentler			Croon FM			SEM		
	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>
Unique Factor Correlation = .1									
$\alpha(.7)$									
CS	1.04	1.06	1.17	0.98	0.96	0.94	1.00	1.00	1.00
MS	1.04	1.21	1.40	0.98	0.89	0.85	1.74	1.59	2.55
$\alpha(.8)$									
CS	1.03	1.04	1.11	0.98	0.98	0.95	1.00	1.00	1.00
MS	1.03	1.13	1.25	0.98	0.94	0.91	1.65	1.42	2.15
$\alpha(.9)$									
CS	1.01	1.01	1.03	1.00	0.99	0.98	1.00	1.00	1.00
MS	1.01	1.06	1.12	1.00	0.98	0.96	1.24	1.20	1.59
Unique Factor Correlation = .3									
$\alpha(.7)$									
CS	1.56	1.38	2.00	1.00	1.02	0.99	1.00	1.00	1.00
MS	1.56	1.71	2.55	1.00	0.90	0.87	1.59	1.57	2.48
$\alpha(.8)$									
CS	1.29	1.22	1.57	1.01	1.00	0.99	1.00	1.00	1.00
MS	1.29	1.40	1.87	1.01	0.95	0.93	1.52	1.37	2.05
$\alpha(.9)$									
CS	1.06	1.07	1.16	1.00	1.01	1.00	1.00	1.00	1.00
MS	1.06	1.18	1.37	1.00	0.98	0.97	1.18	1.18	1.52
Unique Factor Correlation = .5									
$\alpha(.7)$									
CS	2.59	2.18	4.05	1.02	1.12	1.04	1.00	1.00	1.00
MS	2.59	2.28	4.10	1.02	0.93	0.90	1.46	1.46	2.20
$\alpha(.8)$									
CS	1.77	1.52	2.33	1.02	1.04	1.00	1.00	1.00	1.00
MS	1.77	1.71	2.61	1.02	0.96	0.94	1.34	1.30	1.83
$\alpha(.9)$									
CS	1.20	1.20	1.42	1.02	1.01	1.00	1.00	1.00	1.00
MS	1.20	1.30	1.65	1.02	0.98	0.97	1.11	1.13	1.39

Note: Hoshino-Bentler indicates Hoshino and Bentler's (2013) FSR method, Croon FM = Croon's method corrected for correlated uniquenesses at the factor model level, SEM = Structural Equation Modeling (Simultaneous Estimation), with correctly specified unique factor structure, CS = correct structural model specification (*c*' path freely estimated), MS = structural misspecification (*c*' path constrained to 0). All MSE ratios are divided by the MSE for Croon's method corrected for correlated uniquenesses at the measurement model level (Croon MM), i.e., $MSE_{Estimator}/MSE_{Croon_MM}$.

Table 18

Mean square error ratios in Models Correctly Specifying the Unique Factor Structure by Parameter and Simulation Condition, Simulation 1: $N = 500$, 1 Unique Factor Correlation.

Path:	Hoshino-Bentler			Croon FM			SEM		
	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>
Unique Factor Correlation = .1									
$\alpha(.7)$									
CS	1.01	1.02	1.07	0.99	0.98	0.97	1.00	1.00	1.00
MS	1.01	1.11	1.23	0.99	0.94	0.9	2.43	1.64	2.93
$\alpha(.8)$									
CS	1.01	1.03	1.05	0.99	1.00	0.99	1.00	1.00	1.00
MS	1.01	1.07	1.15	0.99	0.97	0.95	2.22	1.44	2.37
$\alpha(.9)$									
CS	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MS	0.99	1.03	1.07	1.00	0.99	0.98	1.50	1.22	1.68
Unique Factor Correlation = .3									
$\alpha(.7)$									
CS	1.31	1.21	1.54	0.99	1.01	0.97	1.00	1.00	1.00
MS	1.31	1.35	1.77	0.99	0.95	0.91	2.36	1.60	2.76
$\alpha(.8)$									
CS	1.13	1.10	1.27	1.01	1.00	0.98	1.00	1.00	1.00
MS	1.13	1.20	1.44	1.01	0.97	0.95	2.13	1.41	2.27
$\alpha(.9)$									
CS	1.04	1.03	1.08	1.00	1.01	1.00	1.00	1.00	1.00
MS	1.04	1.09	1.19	1.00	0.99	0.98	1.47	1.20	1.61
Unique Factor Correlation = .5									
$\alpha(.7)$									
CS	2.03	1.46	2.49	1.01	1.09	1.02	1.00	1.00	1.00
MS	2.03	1.63	2.49	1.01	0.94	0.92	2.43	1.56	2.63
$\alpha(.8)$									
CS	1.37	1.27	1.71	1.02	1.06	1.03	1.00	1.00	1.00
MS	1.37	1.36	1.83	1.02	0.97	0.96	1.83	1.38	2.14
$\alpha(.9)$									
CS	1.14	1.07	1.22	1.01	1.05	1.02	1.00	1.00	1.00
MS	1.14	1.15	1.34	1.01	0.99	0.98	1.40	1.17	1.53

Note: Hoshino-Bentler indicates Hoshino and Bentler's (2013) FSR method, Croon FM = Croon's method corrected for correlated uniquenesses at the factor model level, SEM = Structural Equation Modeling (Simultaneous Estimation), with correctly specified unique factor structure, CS = correct structural model specification (*c*' path freely estimated), MS = structural misspecification (*c*' path constrained to 0). All MSE ratios are divided by the MSE for Croon's method corrected for correlated uniquenesses at the measurement model level (Croon MM), i.e., $MSE_{Estimator}/MSE_{Croon_MM}$.

Table 19

Mean square error ratios in Models Correctly Specifying the Unique Factor Structure by Parameter and Simulation Condition, Simulation 1: $N = 500$, 2 Unique Factor Correlations.

Path:	Hoshino-Bentler			Croon FM			SEM		
	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>
Unique Factor Correlation = .1									
$\alpha(.7)$									
CS	1.15	1.11	1.30	0.99	0.99	0.98	1.00	1.00	1.00
MS	1.15	1.24	1.51	0.99	0.94	0.91	2.58	1.64	2.90
$\alpha(.8)$									
CS	1.07	1.03	1.14	0.99	1.00	0.99	1.00	1.00	1.00
MS	1.07	1.14	1.31	0.99	0.97	0.95	2.29	1.44	2.38
$\alpha(.9)$									
CS	1.00	1.01	1.03	1.00	1.00	1.00	1.00	1.00	1.00
MS	1.00	1.06	1.13	1.00	0.99	0.98	1.44	1.21	1.66
Unique Factor Correlation = .3									
$\alpha(.7)$									
CS	2.19	1.70	3.02	1.01	1.04	1.00	1.00	1.00	1.00
MS	2.19	1.75	2.85	1.01	0.95	0.93	2.3	1.58	2.72
$\alpha(.8)$									
CS	1.67	1.29	1.95	1.01	1.04	1.01	1.00	1.00	1.00
MS	1.67	1.44	2.01	1.01	0.97	0.95	2.13	1.39	2.2
$\alpha(.9)$									
CS	1.12	1.13	1.27	1.00	1.01	1.00	1.00	1.00	1.00
MS	1.12	1.18	1.41	1.00	0.99	0.99	1.31	1.18	1.56
Unique Factor Correlation = .5									
$\alpha(.7)$									
CS	4.31	2.71	6.28	1.03	1.20	1.12	1.00	1.00	1.00
MS	4.31	2.41	5.00	1.03	0.97	0.94	1.91	1.50	2.49
$\alpha(.8)$									
CS	2.71	1.87	3.68	1.01	1.11	1.04	1.00	1.00	1.00
MS	2.71	1.74	2.89	1.01	0.98	0.96	1.74	1.31	1.94
$\alpha(.9)$									
CS	1.46	1.23	1.71	1.01	1.06	1.03	1.00	1.00	1.00
MS	1.46	1.31	1.73	1.01	0.99	0.99	1.27	1.14	1.44

Note: Hoshino-Bentler indicates Hoshino and Bentler's (2013) FSR method, Croon FM = Croon's method corrected for correlated uniquenesses at the factor model level, SEM = Structural Equation Modeling (Simultaneous Estimation), with correctly specified unique factor structure, CS = correct structural model specification (*c*' path freely estimated), MS = structural misspecification (*c*' path constrained to 0). All MSE ratios are divided by the MSE for Croon's method corrected for correlated uniquenesses at the measurement model level (Croon MM), i.e., $MSE_{Estimator}/MSE_{Croon_MM}$.

Table 20

Mean square error ratios in Models Correctly Specifying the Unique Factor Structure by Parameter and Simulation Condition, Simulation 1: $N = 1000$, 1 Unique Factor Correlation.

Path:	Hoshino-Bentler			Croon FM			SEM		
	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>
Unique Factor Correlation = .1									
$\alpha(.7)$									
CS	1.09	1.05	1.14	0.99	0.98	0.97	1.00	1.00	1.00
MS	1.09	1.12	1.26	0.99	0.97	0.95	4.08	1.66	3.06
$\alpha(.8)$									
CS	1.03	1.02	1.06	1.00	1.00	1.00	1.00	1.00	1.00
MS	1.03	1.07	1.15	1.00	0.98	0.97	3.26	1.45	2.46
$\alpha(.9)$									
CS	1.01	1.01	1.02	1.00	1.00	1.00	1.00	1.00	1.00
MS	1.01	1.03	1.07	1.00	0.99	0.99	2.12	1.22	1.71
Unique Factor Correlation = .3									
$\alpha(.7)$									
CS	1.60	1.24	1.80	1.01	1.01	1.00	1.00	1.00	1.00
MS	1.60	1.36	1.87	1.01	0.98	0.95	3.96	1.64	3.05
$\alpha(.8)$									
CS	1.24	1.17	1.42	1.01	1.01	1.00	1.00	1.00	1.00
MS	1.24	1.21	1.48	1.01	0.99	0.97	3.16	1.42	2.38
$\alpha(.9)$									
CS	1.07	1.03	1.10	1.00	1.00	1.00	1.00	1.00	1.00
MS	1.07	1.09	1.20	1.00	0.99	0.99	1.88	1.20	1.66
Unique Factor Correlation = .5									
$\alpha(.7)$									
CS	3.03	1.72	3.69	1.03	1.11	1.06	1.00	1.00	1.00
MS	3.03	1.67	2.74	1.03	0.97	0.95	3.87	1.59	2.90
$\alpha(.8)$									
CS	2.05	1.31	2.19	1.01	1.09	1.05	1.00	1.00	1.00
MS	2.05	1.37	1.90	1.01	0.99	0.98	3.31	1.38	2.24
$\alpha(.9)$									
CS	1.20	1.14	1.37	1.02	1.05	1.03	1.00	1.00	1.00
MS	1.20	1.16	1.37	1.02	1.00	0.99	1.70	1.18	1.58

Note: Hoshino-Bentler indicates Hoshino and Bentler's (2013) FSR method, Croon FM = Croon's method corrected for correlated uniquenesses at the factor model level, SEM = Structural Equation Modeling (Simultaneous Estimation), with correctly specified unique factor structure, CS = correct structural model specification (*c*' path freely estimated), MS = structural misspecification (*c*' path constrained to 0). All MSE ratios are divided by the MSE for Croon's method corrected for correlated uniquenesses at the measurement model level (Croon MM), i.e., $MSE_{Estimator}/MSE_{Croon_MM}$.

Table 21

Mean square error ratios in Models Correctly Specifying the Unique Factor Structure by Parameter and Simulation Condition, Simulation 1: $N = 1000$, 2 Unique Factor Correlations.

Path:	Hoshino-Bentler			Croon FM			SEM		
	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>
Unique Factor Correlation = .1									
$\alpha(.7)$									
CS	1.27	1.10	1.38	0.99	0.99	0.98	1.00	1.00	1.00
MS	1.27	1.25	1.57	0.99	0.97	0.95	3.85	1.67	3.10
$\alpha(.8)$									
CS	1.11	1.07	1.19	1.00	1.00	0.99	1.00	1.00	1.00
MS	1.11	1.15	1.33	1.00	0.99	0.98	3.21	1.45	2.46
$\alpha(.9)$									
CS	1.01	1.02	1.05	1.00	1.00	1.00	1.00	1.00	1.00
MS	1.01	1.06	1.15	1.00	0.99	0.99	1.97	1.22	1.70
Unique Factor Correlation = .3									
$\alpha(.7)$									
CS	3.72	2.14	4.86	1.01	1.05	1.02	1.00	1.00	1.00
MS	3.72	1.79	3.15	1.01	0.98	0.96	3.91	1.60	2.94
$\alpha(.8)$									
CS	2.00	1.67	2.73	1.00	1.04	1.03	1.00	1.00	1.00
MS	2.00	1.44	2.12	1.00	0.99	0.98	2.75	1.39	2.29
$\alpha(.9)$									
CS	1.33	1.14	1.48	1.00	1.01	1.01	1.00	1.00	1.00
MS	1.33	1.19	1.44	1.00	0.99	0.99	1.83	1.18	1.59
Unique Factor Correlation = .5									
$\alpha(.7)$									
CS	9.13	4.24	12.18	1.04	1.10	1.07	1.00	1.00	1.00
MS	9.13	2.45	5.33	1.04	0.97	0.96	3.42	1.5	2.57
$\alpha(.8)$									
CS	4.08	2.39	5.53	1.00	1.09	1.06	1.00	1.00	1.00
MS	4.08	1.78	3.08	1.00	0.99	0.98	2.32	1.32	2.01
$\alpha(.9)$									
CS	1.93	1.44	2.32	1.01	1.04	1.03	1.00	1.00	1.00
MS	1.93	1.32	1.76	1.01	1.00	0.99	1.53	1.14	1.44

Note: Hoshino-Bentler indicates Hoshino and Bentler's (2013) FSR method, Croon FM = Croon's method corrected for correlated uniquenesses at the factor model level, SEM = Structural Equation Modeling (Simultaneous Estimation), with correctly specified unique factor structure, CS = correct structural model specification (*c*' path freely estimated), MS = structural misspecification (*c*' path constrained to 0). All MSE ratios are divided by the MSE for Croon's method corrected for correlated uniquenesses at the measurement model level (Croon MM), i.e., $MSE_{Estimator}/MSE_{Croon_MM}$.

Table 22

Percent Bias in Models Omitting the Unique Factor Correlations by Parameter and Simulation Condition, Simulation 2:
N = 250

Path:	Regression FS			Bartlett FS			Croon			SEM		
	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>
Unique Factor Correlation = .1												
$\alpha(.7)$												
CS	-32.73	-29.70	-52.65	-32.75	-29.58	-52.63	-6.57	-5.25	-11.41	-4.36	-2.94	-7.09
MS	-32.73	-11.92	-40.42	-32.75	-11.78	-40.38	-6.57	22.56	14.97	6.98	34.13	43.99
$\alpha(.8)$												
CS	-21.32	-20.42	-37.37	-21.33	-20.43	-37.41	-2.85	-3.21	-5.93	-1.78	-2.09	-3.80
MS	-21.32	1.88	-19.58	-21.33	1.87	-19.61	-2.85	25.80	22.51	6.73	33.18	42.48
$\alpha(.9)$												
CS	-11.02	-10.21	-20.06	-11.00	-10.21	-20.06	-1.54	-0.98	-2.47	-1.18	-0.62	-1.76
MS	-11.02	15.93	3.44	-11.00	15.92	3.45	-1.54	28.29	26.60	3.62	31.77	36.83
Unique Factor Correlation = .3												
$\alpha(.7)$												
CS	-38.57	-35.46	-60.30	-38.57	-35.33	-60.25	-19.50	-18.05	-33.98	-15.23	-13.00	-26.18
MS	-38.57	-20.11	-50.56	-38.57	-19.96	-50.50	-19.50	4.88	-15.02	-5.95	18.66	12.39
$\alpha(.8)$												
CS	-26.16	-23.19	-43.28	-26.11	-23.25	-43.29	-11.36	-9.28	-19.59	-9.23	-6.81	-15.40
MS	-26.16	-3.20	-28.26	-26.11	-3.27	-28.26	-11.36	16.12	3.24	-2.09	24.38	22.15
$\alpha(.9)$												
CS	-12.93	-12.82	-24.09	-12.96	-12.79	-24.11	-4.63	-5.03	-9.46	-3.95	-4.20	-8.02
MS	-12.93	12.97	-1.38	-12.96	13.00	-1.39	-4.63	23.78	18.30	0.39	27.58	28.36
Unique Factor Correlation = .5												
$\alpha(.7)$												
CS	-47.09	-42.99	-69.87	-47.05	-43.01	-69.85	-36.42	-33.12	-57.56	-33.49	-29.98	-53.48
MS	-47.09	-31.12	-63.32	-47.05	-31.12	-63.29	-36.42	-17.21	-47.05	-28.65	-9.23	-34.66
$\alpha(.8)$												
CS	-32.21	-30.36	-52.82	-32.18	-30.37	-52.81	-22.52	-21.72	-39.40	-20.23	-18.94	-35.38
MS	-32.21	-12.55	-40.49	-32.18	-12.56	-40.47	-22.52	-0.05	-22.29	-15.32	7.18	-8.83
$\alpha(.9)$												
CS	-16.21	-15.90	-29.53	-16.19	-15.91	-29.54	-9.96	-10.14	-19.12	-8.96	-8.85	-17.03
MS	-16.21	8.26	-9.03	-16.19	8.24	-9.03	-9.96	16.31	5.00	-5.65	20.13	13.65

Note: Regression FS = regression FSR method, Bartlett FS = Bartlett FSR method, Croon = Croon's method using the original formulas uncorrected for unique factor correlations, SEM = Structural Equation Modeling (Simultaneous Estimation) under the assumption of conditionally independent uniquenesses, CS = correct structural model specification (*c'* path freely estimated), MS = structural misspecification (*c'* path constrained to 0). Bold entries indicate absolute values of percent bias > 10.

Table 23

Percent Bias in Models Correctly Specifying the Unique Factor Structure by Parameter and Simulation Condition, Simulation 2: $N = 250$

Path:	Hoshino-Bentler			Croon FM			Croon MM			SEM		
	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>
Unique Factor Correlation = .1												
$\alpha(.7)$												
CS	-1.04	0.25	-0.65	-4.74	-3.91	-8.34	-1.04	0.25	-0.65	-1.04	0.25	-0.65
MS	-1.04	29.72	28.88	-4.74	24.50	19.13	-1.04	29.72	28.88	11.73	39.66	56.57
$\alpha(.8)$												
CS	0.14	-0.13	0.05	-1.69	-1.86	-3.48	0.14	-0.13	0.05	0.14	-0.13	0.05
MS	0.14	29.73	30.21	-1.69	27.44	25.60	0.14	29.73	30.21	9.70	36.63	50.24
$\alpha(.9)$												
CS	-0.30	0.24	-0.04	-0.96	-0.38	-1.30	-0.30	0.24	-0.04	-0.30	0.24	-0.04
MS	-0.30	29.87	29.75	-0.96	29.04	28.08	-0.30	29.87	29.75	5.02	33.28	40.27
Unique Factor Correlation = .3												
$\alpha(.7)$												
CS	-0.30	0.79	0.57	-4.24	-3.18	-7.20	-0.30	0.79	0.57	-0.30	0.79	0.57
MS	-0.30	30.28	30.37	-4.24	25.11	20.33	-0.30	30.28	30.37	12.69	40.50	58.91
$\alpha(.8)$												
CS	-0.67	0.84	0.20	-2.40	-1.02	-3.36	-0.67	0.84	0.20	-0.67	0.84	0.20
MS	-0.67	29.88	29.29	-2.40	27.46	24.70	-0.67	29.88	29.29	9.08	36.90	49.64
$\alpha(.9)$												
CS	-0.05	-0.63	-0.71	-0.74	-1.30	-2.04	-0.05	-0.63	-0.71	-0.05	-0.63	-0.71
MS	-0.05	29.53	29.70	-0.74	28.67	27.97	-0.05	29.53	29.70	5.63	33.22	40.99
Unique Factor Correlation = .5												
$\alpha(.7)$												
CS	-0.19	1.07	1.00	-4.26	-3.17	-7.21	-0.19	1.07	1.00	-0.19	1.07	1.00
MS	-0.19	29.74	29.93	-4.26	24.44	19.63	-0.19	29.74	29.93	12.60	39.85	57.92
$\alpha(.8)$												
CS	0.12	-0.24	-0.20	-1.79	-2.16	-4.00	0.12	-0.24	-0.20	0.12	-0.24	-0.20
MS	0.12	29.63	30.02	-1.79	27.19	25.16	0.12	29.63	30.02	10.22	37.07	51.38
$\alpha(.9)$												
CS	0.26	0.01	0.24	-0.40	-0.59	-1.02	0.26	0.01	0.24	0.26	0.01	0.24
MS	0.26	29.79	30.36	-0.40	28.97	28.68	0.26	29.79	30.36	6.05	33.56	41.90

Note: Hoshino-Bentler indicates Hoshino and Bentler's (2013) FSR method, Croon FM = Croon's method corrected for correlated uniquenesses at the factor model level, Croon MM = Croon's method corrected for correlated uniquenesses at the measurement model level, SEM = Structural Equation Modeling (Simultaneous Estimation) correctly specifying the correlated residual structure, CS = correct structural model specification (*c*' path freely estimated), MS = structural misspecification (*c*' path constrained to 0). Bold entries indicate absolute values of percent bias > 10.

Table 24

Percent Bias in Models Omitting the Unique Factor Correlations by Parameter and Simulation Condition, Simulation 2:
N = 500

Path:	Regression FS			Bartlett FS			Croon			SEM		
	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>
Unique Factor Correlation = .1												
$\alpha(.7)$												
CS	-32.12	-29.39	-52.04	-32.15	-29.46	-52.13	-5.03	-4.49	-9.22	-3.77	-3.18	-6.75
MS	-32.12	-11.38	-39.71	-32.15	-11.48	-39.81	-5.03	23.84	17.82	7.66	34.18	44.71
$\alpha(.8)$												
CS	-21.30	-19.81	-36.84	-21.32	-19.75	-36.84	-2.68	-2.27	-4.84	-2.10	-1.65	-3.67
MS	-21.30	2.50	-19.16	-21.32	2.56	-19.15	-2.68	26.83	23.63	6.42	33.57	42.36
$\alpha(.9)$												
CS	-10.71	-10.39	-19.97	-10.68	-10.41	-19.97	-1.12	-1.20	-2.29	-0.92	-0.97	-1.87
MS	-10.71	16.13	3.82	-10.68	16.11	3.82	-1.12	28.59	27.27	3.94	31.92	37.23
Unique Factor Correlation = .3												
$\alpha(.7)$												
CS	-38.08	-34.73	-59.56	-38.13	-34.67	-59.58	-18.58	-16.98	-32.39	-15.07	-12.78	-25.92
MS	-38.08	-19.17	-49.77	-38.13	-19.10	-49.80	-18.58	6.38	-13.14	-5.69	19.07	12.64
$\alpha(.8)$												
CS	-25.14	-23.77	-42.91	-25.16	-23.78	-42.95	-10.08	-10.09	-19.13	-8.32	-7.85	-15.50
MS	-25.14	-3.05	-27.27	-25.16	-3.07	-27.31	-10.08	16.44	4.89	-1.05	24.43	23.35
$\alpha(.9)$												
CS	-12.80	-12.49	-23.68	-12.79	-12.45	-23.64	-4.42	-4.54	-8.75	-3.91	-3.91	-7.66
MS	-12.80	13.16	-1.21	-12.79	13.21	-1.15	-4.42	24.10	18.75	0.37	27.63	28.24
Unique Factor Correlation = .5												
$\alpha(.7)$												
CS	-46.96	-43.06	-69.77	-46.95	-43.07	-69.77	-35.97	-33.01	-57.07	-33.69	-30.29	-53.71
MS	-46.96	-31.05	-63.27	-46.95	-31.07	-63.27	-35.97	-16.77	-46.48	-28.86	-9.47	-35.22
$\alpha(.8)$												
CS	-32.63	-29.95	-52.75	-32.64	-29.95	-52.77	-22.82	-21.12	-39.06	-20.83	-18.68	-35.55
MS	-32.63	-12.19	-40.67	-32.64	-12.21	-40.69	-22.82	0.57	-22.17	-15.87	7.36	-9.41
$\alpha(.9)$												
CS	-16.53	-15.99	-29.88	-16.51	-15.99	-29.87	-10.20	-10.17	-19.34	-9.33	-8.97	-17.47
MS	-16.53	8.22	-9.55	-16.51	8.22	-9.53	-10.20	16.43	4.67	-5.99	20.12	13.06

Note: Regression FS = regression FSR method, Bartlett FS = Bartlett FSR method, Croon = Croon's method using the original formulas uncorrected for unique factor correlations, SEM = Structural Equation Modeling (Simultaneous Estimation) under the assumption of conditionally independent uniquenesses, CS = correct structural model specification (*c'* path freely estimated), MS = structural misspecification (*c'* path constrained to 0). Bold entries indicate absolute values of percent bias > 10.

Table 25

Percent Bias in Models Correctly Specifying the Unique Factor Structure by Parameter and Simulation Condition, Simulation 2: $N = 500$

Path:	Hoshino-Bentler			Croon FM			Croon MM			SEM		
	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>
Unique Factor Correlation = .1												
$\alpha(.7)$												
CS	-0.51	-0.04	-0.46	-2.39	-1.81	-4.07	-0.51	-0.04	-0.46	-0.51	-0.04	-0.46
MS	-0.51	29.85	29.40	-2.39	27.48	24.66	-0.51	29.85	29.40	12.31	39.83	57.30
$\alpha(.8)$												
CS	-0.14	0.32	0.21	-1.02	-0.55	-1.53	-0.14	0.32	0.21	-0.14	0.32	0.21
MS	-0.14	30.18	30.18	-1.02	29.04	27.91	-0.14	30.18	30.18	9.43	37.06	50.19
$\alpha(.9)$												
CS	-0.04	-0.09	-0.11	-0.37	-0.44	-0.80	-0.04	-0.09	-0.11	-0.04	-0.09	-0.11
MS	-0.04	30.02	30.08	-0.37	29.59	29.22	-0.04	30.02	30.08	5.35	33.48	40.74
Unique Factor Correlation = .3												
$\alpha(.7)$												
CS	-0.23	0.69	0.44	-2.11	-1.37	-3.46	-0.23	0.69	0.44	-0.23	0.69	0.44
MS	-0.23	30.41	30.31	-2.11	27.83	25.35	-0.23	30.41	30.31	12.77	40.60	58.79
$\alpha(.8)$												
CS	0.17	0.02	0.19	-0.72	-0.92	-1.64	0.17	0.02	0.19	0.17	0.02	0.19
MS	0.17	29.91	30.28	-0.72	28.71	27.93	0.17	29.91	30.28	10.05	37.07	51.01
$\alpha(.9)$												
CS	-0.20	-0.43	-0.63	-0.52	-0.74	-1.26	-0.20	-0.43	-0.63	-0.20	-0.43	-0.63
MS	-0.20	29.56	29.40	-0.52	29.15	28.59	-0.20	29.56	29.40	5.41	33.19	40.53
Unique Factor Correlation = .5												
$\alpha(.7)$												
CS	-0.34	0.75	0.45	-2.32	-1.33	-3.55	-0.34	0.75	0.45	-0.34	0.75	0.45
MS	-0.34	30.04	29.80	-2.32	27.46	24.74	-0.34	30.04	29.80	12.70	40.31	58.35
$\alpha(.8)$												
CS	-0.29	-0.15	-0.35	-1.16	-1.05	-2.13	-0.29	-0.15	-0.35	-0.29	-0.15	-0.35
MS	-0.29	29.78	29.59	-1.16	28.62	27.32	-0.29	29.78	29.59	9.98	37.25	51.15
$\alpha(.9)$												
CS	-0.27	-0.34	-0.62	-0.59	-0.68	-1.28	-0.27	-0.34	-0.62	-0.27	-0.34	-0.62
MS	-0.27	29.78	29.54	-0.59	29.34	28.68	-0.27	29.78	29.54	5.63	33.61	41.25

Note: Hoshino-Bentler indicates Hoshino and Bentler's (2013) FSR method, Croon FM = Croon's method corrected for correlated uniquenesses at the factor model level, Croon MM = Croon's method corrected for correlated uniquenesses at the measurement model level, SEM = Structural Equation Modeling (Simultaneous Estimation) correctly specifying the correlated residual structure, CS = correct structural model specification (c' path freely estimated), MS = structural misspecification (c' path constrained to 0). Bold entries indicate absolute values of percent bias > 10.

Table 26

Percent Bias in Models Omitting the Unique Factor Correlations by Parameter and Simulation Condition, Simulation 2:
N = 1000

Path:	Regression FS			Bartlett FS			Croon			SEM		
	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>
Unique Factor Correlation = .1												
$\alpha(.7)$												
CS	-31.70	-29.01	-51.52	-31.87	-28.97	-51.63	-4.43	-3.82	-8.09	-3.60	-2.88	-6.39
MS	-31.70	-11.00	-39.14	-31.87	-10.95	-39.27	-4.43	24.61	19.19	7.63	34.24	44.60
$\alpha(.8)$												
CS	-21.20	-19.79	-36.78	-21.28	-19.66	-36.76	-2.49	-2.19	-4.60	-2.12	-1.77	-3.83
MS	-21.20	2.58	-19.09	-21.28	2.74	-19.06	-2.49	27.14	24.06	6.44	33.62	42.31
$\alpha(.9)$												
CS	-10.60	-10.09	-19.60	-10.61	-10.08	-19.61	-0.97	-0.83	-1.77	-0.86	-0.70	-1.53
MS	-10.60	16.32	4.07	-10.61	16.33	4.05	-0.97	28.85	27.67	3.97	32.04	37.35
Unique Factor Correlation = .3												
$\alpha(.7)$												
CS	-37.99	-34.88	-59.61	-38.00	-34.95	-59.66	-18.22	-17.14	-32.23	-14.96	-13.26	-26.23
MS	-37.99	-19.30	-49.88	-38.00	-19.39	-49.95	-18.22	6.32	-12.94	-5.64	18.55	12.04
$\alpha(.8)$												
CS	-25.45	-23.84	-43.21	-25.47	-23.79	-43.19	-10.33	-10.05	-19.33	-8.76	-8.06	-16.10
MS	-25.45	-3.12	-27.69	-25.47	-3.06	-27.67	-10.33	16.61	4.67	-1.43	24.34	22.69
$\alpha(.9)$												
CS	-12.52	-11.85	-22.89	-12.54	-11.83	-22.89	-4.10	-3.85	-7.80	-3.65	-3.26	-6.80
MS	-12.52	13.82	-0.37	-12.54	13.84	-0.38	-4.10	24.80	19.73	0.64	28.25	29.14
Unique Factor Correlation = .5												
$\alpha(.7)$												
CS	-46.62	-42.88	-69.48	-46.70	-42.83	-69.50	-35.52	-32.77	-56.62	-33.50	-30.38	-53.67
MS	-46.62	-30.68	-62.90	-46.70	-30.63	-62.93	-35.52	-16.21	-45.84	-28.69	-9.35	-35.15
$\alpha(.8)$												
CS	-32.37	-29.84	-52.55	-32.40	-29.82	-52.56	-22.50	-20.97	-38.76	-20.70	-18.68	-35.51
MS	-32.37	-12.03	-40.43	-32.40	-12.01	-40.45	-22.50	0.82	-21.78	-15.82	7.35	-9.50
$\alpha(.9)$												
CS	-16.65	-15.90	-29.89	-16.64	-15.90	-29.88	-10.32	-10.08	-19.34	-9.50	-8.95	-17.58
MS	-16.65	8.29	-9.67	-16.64	8.28	-9.66	-10.32	16.51	4.56	-6.15	20.10	12.79

Note: Regression FS = regression FSR method, Bartlett FS = Bartlett FSR method, Croon = Croon's method using the original formulas uncorrected for unique factor correlations, SEM = Structural Equation Modeling (Simultaneous Estimation) under the assumption of conditionally independent uniquenesses, CS = correct structural model specification (*c'* path freely estimated), MS = structural misspecification (*c'* path constrained to 0). Bold entries indicate absolute values of percent bias > 10.

Table 27

Percent Bias in Models Correctly Specifying the Unique Factor Structure by Parameter and Simulation Condition, Simulation 2: $N = 1000$

Path:	Hoshino-Bentler			Croon FM			Croon MM			SEM		
	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>
Unique Factor Correlation = .1												
$\alpha(.7)$												
CS	-0.32	0.30	-0.02	-1.19	-0.56	-1.74	-0.32	0.30	-0.02	-0.32	0.30	-0.02
MS	-0.32	30.06	29.76	-1.19	28.91	27.49	-0.32	30.06	29.76	12.27	39.84	57.12
$\alpha(.8)$												
CS	-0.17	0.14	0.00	-0.63	-0.34	-0.95	-0.17	0.14	0.00	-0.17	0.14	0.00
MS	-0.17	30.17	30.04	-0.63	29.56	28.82	-0.17	30.17	30.04	9.47	37.07	50.15
$\alpha(.9)$												
CS	0.00	0.18	0.21	-0.16	0.01	-0.12	0.00	0.18	0.21	0.00	0.18	0.21
MS	0.00	30.15	30.23	-0.16	29.94	29.81	0.00	30.15	30.23	5.36	33.57	40.81
Unique Factor Correlation = .3												
$\alpha(.7)$												
CS	-0.04	0.10	0.07	-0.98	-0.81	-1.77	-0.04	0.10	0.07	-0.04	0.10	0.07
MS	-0.04	29.92	29.97	-0.98	28.72	27.56	-0.04	29.92	29.97	12.90	40.05	58.24
$\alpha(.8)$												
CS	-0.42	-0.43	-0.83	-0.86	-0.89	-1.74	-0.42	-0.43	-0.83	-0.42	-0.43	-0.83
MS	-0.42	29.63	29.18	-0.86	29.04	28.03	-0.42	29.63	29.18	9.53	36.83	49.97
$\alpha(.9)$												
CS	0.14	0.21	0.35	-0.03	0.05	0.02	0.14	0.21	0.35	0.14	0.21	0.35
MS	0.14	30.22	30.46	-0.03	30.01	30.03	0.14	30.22	30.46	5.76	33.83	41.61
Unique Factor Correlation = .5												
$\alpha(.7)$												
CS	-0.18	-0.19	-0.33	-1.10	-1.12	-2.17	-0.18	-0.19	-0.33	-0.18	-0.19	-0.33
MS	-0.18	29.85	29.75	-1.10	28.59	27.31	-0.18	29.85	29.75	13.07	40.31	58.80
$\alpha(.8)$												
CS	-0.27	-0.10	-0.37	-0.72	-0.53	-1.26	-0.27	-0.10	-0.37	-0.27	-0.10	-0.37
MS	-0.27	29.84	29.56	-0.72	29.25	28.39	-0.27	29.84	29.56	9.97	37.27	51.04
$\alpha(.9)$												
CS	-0.12	-0.18	-0.29	-0.28	-0.32	-0.60	-0.12	-0.18	-0.29	-0.12	-0.18	-0.29
MS	-0.12	29.76	29.67	-0.28	29.55	29.25	-0.12	29.76	29.67	5.74	33.56	41.30

Note: Hoshino-Bentler indicates Hoshino and Bentler's (2013) FSR method, Croon FM = Croon's method corrected for correlated uniquenesses at the factor model level, Croon MM = Croon's method corrected for correlated uniquenesses at the measurement model level, SEM = Structural Equation Modeling (Simultaneous Estimation) correctly specifying the correlated residual structure, CS = correct structural model specification (c' path freely estimated), MS = structural misspecification (c' path constrained to 0). Bold entries indicate absolute values of percent bias > 10.

Table 28

Mean square error ratios in Models Correctly Specifying the Unique Factor Structure by Parameter and Simulation Condition, Simulation 2: $N = 250$.

Path:	Hoshino-Bentler			Croon FM			SEM		
	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>
Unique Factor Correlation = .1									
$\alpha(.7)$									
CS	1.00	1.00	1.00	1.09	1.00	0.99	1.00	1.00	1.00
MS	1.00	1.00	1.00	1.09	0.74	0.65	1.57	1.65	2.69
$\alpha(.8)$									
CS	1.00	1.00	1.00	1.00	0.98	0.97	1.00	1.00	1.00
MS	1.00	1.00	1.00	1.00	0.87	0.79	1.59	1.47	2.26
$\alpha(.9)$									
CS	1.00	1.00	1.00	1.01	0.98	0.99	1.00	1.00	1.00
MS	1.00	1.00	1.00	1.01	0.95	0.92	1.21	1.22	1.64
Unique Factor Correlation = .3									
$\alpha(.7)$									
CS	1.00	1.00	1.00	1.07	0.94	0.94	1.00	1.00	1.00
MS	1.00	1.00	1.00	1.07	0.74	0.64	1.69	1.67	2.71
$\alpha(.8)$									
CS	1.00	1.00	1.00	1.04	0.95	0.96	1.00	1.00	1.00
MS	1.00	1.00	1.00	1.04	0.86	0.80	1.49	1.47	2.31
$\alpha(.9)$									
CS	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MS	1.00	1.00	1.00	1.00	0.95	0.91	1.28	1.25	1.7
Unique Factor Correlation = .5									
$\alpha(.7)$									
CS	1.00	1.00	1.00	1.05	0.90	0.88	1.00	1.00	1.00
MS	1.00	1.00	1.00	1.05	0.73	0.64	1.53	1.66	2.59
$\alpha(.8)$									
CS	1.00	1.00	1.00	1.01	0.98	0.97	1.00	1.00	1.00
MS	1.00	1.00	1.00	1.01	0.86	0.78	1.62	1.50	2.37
$\alpha(.9)$									
CS	1.00	1.00	1.00	1.00	0.99	0.99	1.00	1.00	1.00
MS	1.00	1.00	1.00	1.00	0.95	0.92	1.31	1.25	1.71

Note: Hoshino-Bentler indicates Hoshino and Bentler's (2013) FSR method, Croon FM = Croon's method corrected for correlated uniquenesses at the factor model level, SEM = Structural Equation Modeling (Simultaneous Estimation), with correctly specified unique factor structure, CS = correct structural model specification (*c'* path freely estimated), MS = structural misspecification (*c'* path constrained to 0). All MSE ratios are divided by the MSE for Croon's method corrected for correlated uniquenesses at the measurement model level (Croon MM), i.e., $MSE_{Estimator}/MSE_{Croon_MM}$.

Table 29

Mean square error ratios in Models Correctly Specifying the Unique Factor Structure by Parameter and Simulation Condition, Simulation 2: $N = 500$.

Path:	Hoshino-Bentler			Croon FM			SEM		
	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>
Unique Factor Correlation = .1									
$\alpha(.7)$									
CS	1.00	1.00	1.00	1.07	1.01	1.02	1.00	1.00	1.00
MS	1.00	1.00	1.00	1.07	0.87	0.78	2.52	1.72	3.14
$\alpha(.8)$									
CS	1.00	1.00	1.00	1.02	0.99	0.99	1.00	1.00	1.00
MS	1.00	1.00	1.00	1.02	0.93	0.88	2.19	1.48	2.46
$\alpha(.9)$									
CS	1.00	1.00	1.00	1.00	1.00	0.99	1.00	1.00	1.00
MS	1.00	1.00	1.00	1.00	0.97	0.95	1.63	1.24	1.74
Unique Factor Correlation = .3									
$\alpha(.7)$									
CS	1.00	1.00	1.00	1.03	1.00	1.00	1.00	1.00	1.00
MS	1.00	1.00	1.00	1.03	0.85	0.77	2.41	1.71	3.08
$\alpha(.8)$									
CS	1.00	1.00	1.00	1.01	1.00	0.99	1.00	1.00	1.00
MS	1.00	1.00	1.00	1.01	0.93	0.88	2.44	1.50	2.53
$\alpha(.9)$									
CS	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MS	1.00	1.00	1.00	1.00	0.97	0.95	1.63	1.25	1.79
Unique Factor Correlation = .5									
$\alpha(.7)$									
CS	1.00	1.00	1.00	1.04	0.96	0.97	1.00	1.00	1.00
MS	1.00	1.00	1.00	1.04	0.85	0.77	2.30	1.72	3.10
$\alpha(.8)$									
CS	1.00	1.00	1.00	1.02	0.99	0.98	1.00	1.00	1.00
MS	1.00	1.00	1.00	1.02	0.93	0.88	2.28	1.53	2.61
$\alpha(.9)$									
CS	1.00	1.00	1.00	1.01	0.99	1.00	1.00	1.00	1.00
MS	1.00	1.00	1.00	1.01	0.97	0.95	1.68	1.26	1.84

Note: Hoshino-Bentler indicates Hoshino and Bentler's (2013) FSR method, Croon FM = Croon's method corrected for correlated uniquenesses at the factor model level, SEM = Structural Equation Modeling (Simultaneous Estimation), with correctly specified unique factor structure, CS = correct structural model specification (*c'* path freely estimated), MS = structural misspecification (*c'* path constrained to 0). All MSE ratios are divided by the MSE for Croon's method corrected for correlated uniquenesses at the measurement model level (Croon MM), i.e., $MSE_{Estimator}/MSE_{Croon_MM}$.

Table 30

Mean square error ratios in Models Correctly Specifying the Unique Factor Structure by Parameter and Simulation Condition, Simulation 2: $N = 1000$.

Path:	Hoshino-Bentler			Croon FM			SEM		
	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>	<i>a</i>	<i>b</i>	<i>ab</i>
Unique Factor Correlation = .1									
$\alpha(.7)$									
CS	1.00	1.00	1.00	1.02	1.01	1.02	1.00	1.00	1.00
MS	1.00	1.00	1.00	1.02	0.93	0.87	3.77	1.73	3.32
$\alpha(.8)$									
CS	1.00	1.00	1.00	1.02	1.00	1.00	1.00	1.00	1.00
MS	1.00	1.00	1.00	1.02	0.96	0.93	3.63	1.50	2.62
$\alpha(.9)$									
CS	1.00	1.00	1.00	1.00	1.00	0.99	1.00	1.00	1.00
MS	1.00	1.00	1.00	1.00	0.99	0.97	2.28	1.24	1.77
Unique Factor Correlation = .3									
$\alpha(.7)$									
CS	1.00	1.00	1.00	1.02	0.98	0.98	1.00	1.00	1.00
MS	1.00	1.00	1.00	1.02	0.92	0.87	4.11	1.76	3.4
$\alpha(.8)$									
CS	1.00	1.00	1.00	1.01	1.00	1.01	1.00	1.00	1.00
MS	1.00	1.00	1.00	1.01	0.96	0.93	3.37	1.53	2.72
$\alpha(.9)$									
CS	1.00	1.00	1.00	1.00	1.00	0.99	1.00	1.00	1.00
MS	1.00	1.00	1.00	1.00	0.99	0.97	2.43	1.25	1.81
Unique Factor Correlation = .5									
$\alpha(.7)$									
CS	1.00	1.00	1.00	1.03	0.99	1.00	1.00	1.00	1.00
MS	1.00	1.00	1.00	1.03	0.92	0.87	4.05	1.78	3.47
$\alpha(.8)$									
CS	1.00	1.00	1.00	1.01	0.99	1.00	1.00	1.00	1.00
MS	1.00	1.00	1.00	1.01	0.96	0.93	3.76	1.55	2.79
$\alpha(.9)$									
CS	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MS	1.00	1.00	1.00	1.00	0.99	0.97	2.37	1.27	1.87

Note: Hoshino-Bentler indicates Hoshino and Bentler's (2013) FSR method, Croon FM = Croon's method corrected for correlated uniquenesses at the factor model level, SEM = Structural Equation Modeling (Simultaneous Estimation), with correctly specified unique factor structure, CS = correct structural model specification (*c'* path freely estimated), MS = structural misspecification (*c'* path constrained to 0). All MSE ratios are divided by the MSE for Croon's method corrected for correlated uniquenesses at the measurement model level (Croon MM), i.e., $MSE_{Estimator}/MSE_{Croon_MM}$.