Supplemental Materials for "Modeling intraindividual variability as a predictor with intensive longitudinal data"

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Table 1:: Convergence rate results when ISD is a predictor. Reg: regular regression; RegB: regular regression with bootstrapping; SIB: single indicator latent variable modeling with bootstrapping; TPB: time-parceling with bootstrapping; BV: Bayesian variability modeling. $N = 100$.

Rel	T	r	$\beta_1 = 1, \beta_2 = 0$					$\beta_1 = 1, \beta_2 \neq 0$				
			Reg	RegB	TPB	SIB	BV	Reg	RegB	TPB	SIB	BV
0.7	15	0	1.00	1.00	1.00	1.00	**0.37**	1.00	1.00	1.00	1.00	**0.83**
0.7	15	0.3	1.00	1.00	1.00	1.00	**0.55**	1.00	1.00	1.00	1.00	0.90
0.7	30	0	1.00	1.00	1.00	1.00	0.91	1.00	1.00	1.00	1.00	0.99
0.7	30	0.3	1.00	1.00	1.00	1.00	0.94	1.00	1.00	1.00	1.00	0.99
0.7	60	0	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.7	60	0.3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.7	99	0	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.7	99	0.3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.88	15	0	1.00	1.00	1.00	1.00	0.98	1.00	1.00	1.00	1.00	1.00
0.88	15	0.3	1.00	1.00	1.00	1.00	0.99	1.00	1.00	1.00	1.00	1.00
0.88	30	0	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.88	30	0.3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.88	60	0	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.88	60	0.3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.88	99	0	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.88	99	0.3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Table 2:: Convergence rate results when IVAR is a predictor. Reg: regular regression; RegB: regular regression with bootstrapping; SIB: single indicator latent variable modeling with bootstrapping; TPB: time-parceling with bootstrapping; BV: Bayesian variability modeling. $N = 100$.

Rel	T	r	$\beta_1 = 1, \beta_2 = 0$					$\beta_1 = 1, \beta_2 \neq 0$				
			Reg	RegB	TPB	SIB	BV	Reg	RegB	TPB	SIB	BV
0.7	15	0	1.00	1.00	1.00	1.00	**0.29**	1.00	1.00	1.00	1.00	0.92
0.7	15	0.3	1.00	1.00	1.00	1.00	**0.44**	1.00	1.00	1.00	1.00	0.96
0.7	30	0	1.00	1.00	1.00	1.00	**0.86**	1.00	1.00	1.00	1.00	1.00
0.7	30	0.3	1.00	1.00	1.00	1.00	0.93	1.00	1.00	1.00	1.00	1.00
0.7	60	0	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.7	60	0.3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.7	99	0	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.7	99	0.3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.88	15	0	1.00	1.00	1.00	1.00	0.97	1.00	1.00	1.00	1.00	1.00
0.88	15	0.3	1.00	1.00	1.00	1.00	0.99	1.00	1.00	1.00	1.00	1.00
0.88	30	0	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.88	30	0.3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.88	60	0	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.88	60	0.3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.88	99	0	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.88	99	0.3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Table 3:: Convergence rate results when ISD is a predictor. Reg: regular regression; RegB: regular regression with bootstrapping; SIB: single indicator latent variable modeling with bootstrapping; TPB: time-parceling with bootstrapping; BV: Bayesian variability modeling. $N = 200$.

Rel	T	r	$\beta_1 = 1, \beta_2 = 0$					$\beta_1 = 1, \beta_2 \neq 0$				
			Reg	RegB	TPB	SIB	BV	Reg	RegB	TPB	SIB	BV
0.7	15	0	1.00	1.00	1.00	1.00	**0.73**	1.00	1.00	1.00	1.00	0.95
0.7	15	0.3	1.00	1.00	1.00	1.00	**0.85**	1.00	1.00	1.00	1.00	0.94
0.7	30	0	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.7	30	0.3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.7	60	0	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.7	60	0.3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.7	99	0	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.7	99	0.3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.88	15	0	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.88	15	0.3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.88	30	0	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.88	30	0.3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.88	60	0	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.88	60	0.3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.88	99	0	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.88	99	0.3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Table 4:: Convergence rate results when IVAR is a predictor. Reg: regular regression; RegB: regular regression with bootstrapping; SIB: single indicator latent variable modeling with bootstrapping; TPB: time-parceling with bootstrapping; BV: Bayesian variability modeling. $N = 200$.

Rel	T	r	$\beta_1 = 1, \beta_2 = 0$					$\beta_1 = 1, \beta_2 \neq 0$				
			Reg	RegB	TPB	SIB	BV	Reg	RegB	TPB	SIB	BV
0.7	15	0	1.00	1.00	1.00	1.00	**0.68**	1.00	1.00	1.00	1.00	0.95
0.7	15	0.3	1.00	1.00	1.00	1.00	**0.81**	1.00	1.00	1.00	1.00	0.95
0.7	30	0	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.99
0.7	30	0.3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.99
0.7	60	0	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.7	60	0.3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.7	99	0	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.7	99	0.3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.88	15	0	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.88	15	0.3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.88	30	0	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.88	30	0.3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.88	60	0	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.88	60	0.3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.88	99	0	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.88	99	0.3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Table 5:: Convergence rate results when ISD is a predictor. Reg: regular regression; RegB: regular regression with bootstrapping; SIB: single indicator latent variable modeling with bootstrapping; TPB: time-parceling with bootstrapping; BV: Bayesian variability modeling. $N = 500$.

Rel	T	r	$\beta_1 = 1, \beta_2 = 0$					$\beta_1 = 1, \beta_2 \neq 0$				
			Reg	RegB	TPB	SIB	BV	Reg	RegB	TPB	SIB	BV
0.7	15	0	1.00	1.00	1.00	1.00	0.99	1.00	1.00	1.00	1.00	0.94
0.7	15	0.3	1.00	1.00	1.00	1.00	0.99	1.00	1.00	1.00	1.00	**0.86**
0.7	30	0	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.7	30	0.3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.7	60	0	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.7	60	0.3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.7	99	0	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.7	99	0.3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.88	15	0	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.88	15	0.3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.88	30	0	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.88	30	0.3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.88	60	0	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.88	60	0.3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.88	99	0	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.88	99	0.3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Table 6:: Convergence rate results when IVAR is a predictor. Reg: regular regression; RegB: regular regression with bootstrapping; SIB: single indicator latent variable modeling with bootstrapping; TPB: time-parceling with bootstrapping; BV: Bayesian variability modeling. $N = 500$.

Rel	T	r	$\beta_1 = 1, \beta_2 = 0$					$\beta_1 = 1, \beta_2 \neq 0$				
			Reg	RegB	TPB	SIB	BV	Reg	RegB	TPB	SIB	BV
0.7	15	0	1.00	1.00	1.00	1.00	0.98	1.00	1.00	1.00	1.00	**0.77**
0.7	15	0.3	1.00	1.00	1.00	1.00	0.99	1.00	1.00	1.00	1.00	**0.84**
0.7	30	0	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.98
0.7	30	0.3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.98
0.7	60	0	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.7	60	0.3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.7	99	0	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.7	99	0.3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.88	15	0	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.88	15	0.3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.88	30	0	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.88	30	0.3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.88	60	0	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.88	60	0.3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.88	99	0	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.88	99	0.3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Table 7:: Estimation bias results: IVAR is a predictor. β_1 is IM coefficient and β_2 is IVAR coefficient. Bias: Empirical Bias; Rbias: Relative Bias. Reg: regular regression; SIB: single indicator latent variable modeling with bootstrapping; TPB: time-parceling with bootstrapping; BV: Bayesian variability modeling. Unsatisfactory results are highlighted. $N = 100$.

Rel	T	r	$\beta_1 = 1, \beta_2 = 0$								$\beta_1 = 1, \beta_2 \neq 0$							
			Rbias for β_1				Bias for β_2				Rbias for β_1				Rbias for β_2			
			Reg	TPB	SIB	BV	Reg	TPB	SIB	BV	Reg	TPB	SIB	BV	Reg	TPB	SIB	BV
0.7	15	0	-0.07	0.01	0.01	0.01	0.00	0.00	0.00	**2.71**	-0.07	0.03	0.01	0.00	**-0.23**	**-0.12**	**0.14**	**1.57**
0.7	15	0.3	-0.07	-0.01	0.02	0.00	0.01	0.01	0.00	**-1.28**	-0.04	**0.26**	0.00	0.00	**-0.21**	**-1.03**	**0.15**	**2.36**
0.7	30	0	-0.04	0.01	0.01	0.00	0.00	0.00	0.00	0.00	-0.04	0.01	0.01	0.00	**-0.13**	0.06	**0.12**	0.08
0.7	30	0.3	-0.03	0.01	0.01	0.00	0.00	0.00	0.00	0.00	-0.02	0.03	0.00	0.00	**-0.13**	-0.01	0.05	0.06
0.7	60	0	-0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.00	-0.02	0.00	0.01	0.00	-0.06	0.02	0.10	0.03
0.7	60	0.3	-0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.00	-0.01	0.01	0.00	0.00	-0.06	0.01	0.03	0.03
0.7	99	0	-0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.01	0.00	-0.04	0.01	0.10	0.02
0.7	99	0.3	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	-0.04	0.01	0.02	0.02
0.88	15	0	-0.04	0.01	0.01	0.00	0.00	0.00	0.00	0.00	-0.04	0.01	0.01	0.00	**-0.14**	0.06	0.10	0.08
0.88	15	0.3	-0.04	-0.01	0.01	0.00	0.00	0.01	0.00	0.00	-0.02	0.05	0.00	0.00	**-0.13**	-0.06	0.10	0.07
0.88	30	0	-0.02	0.01	0.01	0.00	0.00	0.00	0.00	0.00	-0.02	0.01	0.01	0.00	-0.08	0.04	0.09	0.04
0.88	30	0.3	-0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.00	-0.01	0.01	0.00	0.00	-0.08	0.00	0.04	0.02
0.88	60	0	-0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.01	0.00	-0.03	0.01	0.08	0.02
0.88	60	0.3	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	-0.03	0.01	0.02	0.02
0.88	99	0	-0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.01	0.00	-0.02	0.01	0.07	0.02
0.88	99	0.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	-0.03	0.00	0.01	0.01

Table 8:: Coverage rate results when IM coefficient $\beta_1 = 1$ and IVAR coefficient $\beta_2 = 0$. Reg: regular regression; RegB: regular regression with bootstrapping; SIB: single indicator latent variable modeling with bootstrapping; TPB: time-parceling with bootstrapping; BV: Bayesian variability modeling. Unsatisfactory results are highlighted. $N = 100$.

Rel	T	r	Coverage rates for $\beta_1 = 1$					Coverage rates for $\beta_2 = 0$				
			Reg	RegB	TPB	SIB	BV	Reg	RegB	TPB	SIB	BV
0.7	15	0	**0.63**	**0.63**	0.96	0.94	0.93	**0.86**	0.91	0.94	0.92	0.91
0.7	15	0.3	**0.68**	**0.66**	0.96	0.95	0.95	**0.83**	0.91	0.95	0.93	0.95
0.7	30	0	**0.84**	**0.84**	0.95	0.95	0.95	**0.87**	**0.90**	0.93	0.93	0.94
0.7	30	0.3	**0.86**	**0.84**	0.94	0.94	0.94	**0.89**	0.92	0.94	0.93	0.96
0.7	60	0	0.93	0.91	0.95	0.95	0.95	0.92	0.94	0.94	0.93	0.95
0.7	60	0.3	0.92	0.91	0.94	0.94	0.95	0.91	0.93	0.93	0.93	0.96
0.7	99	0	0.95	0.94	0.95	0.94	0.95	0.91	0.93	0.92	0.93	0.95
0.7	99	0.3	0.94	0.93	0.93	0.94	0.95	0.93	0.94	0.95	0.94	0.96
0.88	15	0	**0.81**	**0.81**	0.95	0.94	0.95	**0.82**	**0.90**	0.93	0.92	0.95
0.88	15	0.3	**0.83**	**0.84**	0.96	0.95	0.96	**0.82**	0.92	0.95	0.93	0.95
0.88	30	0	0.91	0.91	0.95	0.95	0.96	**0.85**	**0.90**	0.93	0.93	0.94
0.88	30	0.3	0.91	**0.90**	0.94	0.93	0.94	**0.88**	0.94	0.94	0.93	0.95
0.88	60	0	0.94	0.94	0.95	0.95	0.95	0.92	0.94	0.93	0.92	0.95
0.88	60	0.3	0.94	0.93	0.94	0.94	0.95	0.91	0.93	0.93	0.93	0.96
0.88	99	0	0.95	0.95	0.95	0.95	0.96	0.91	0.93	0.93	0.93	0.95
0.88	99	0.3	0.95	0.94	0.94	0.94	0.95	0.93	0.94	0.95	0.94	0.96

Table 9:: Coverage rate results when IM coefficient $\beta_1 = 1$ and IVAR coefficient $\beta_2 \neq 0$. Reg: regular regression; RegB: regular regression with bootstrapping; SIB: single indicator latent variable modeling with bootstrapping; TPB: time-parceling with bootstrapping; BV: Bayesian variability modeling. Unsatisfactory results are highlighted. $N = 100$.

Rel	T	r	Coverage rates for $\beta_1 = 1$					Coverage rates for $\beta_2 \neq 0$				
			Reg	RegB	TPB	SIB	BV	Reg	RegB	TPB	SIB	BV
0.7	15	0	**0.70**	**0.69**	0.95	0.93	0.94	**0.42**	**0.66**	0.92	**0.87**	0.93
0.7	15	0.3	**0.89**	**0.88**	0.96	0.95	0.95	**0.41**	**0.66**	0.92	**0.86**	0.93
0.7	30	0	**0.85**	**0.84**	0.94	0.93	0.95	**0.61**	**0.81**	0.94	**0.88**	0.95
0.7	30	0.3	0.92	0.91	0.95	0.94	0.95	**0.59**	**0.79**	0.93	**0.90**	0.95
0.7	60	0	0.94	0.93	0.95	0.93	0.95	**0.77**	**0.87**	0.93	**0.89**	0.95
0.7	60	0.3	0.95	0.94	0.94	0.95	0.95	**0.75**	**0.89**	0.92	0.91	0.96
0.7	99	0	0.96	0.95	0.94	0.94	0.95	**0.83**	0.91	0.92	**0.89**	0.95
0.7	99	0.3	0.94	0.94	0.93	0.93	0.95	**0.81**	0.91	0.92	0.92	0.96
0.88	15	0	**0.84**	**0.85**	0.95	0.94	0.95	**0.55**	**0.84**	0.93	**0.88**	0.94
0.88	15	0.3	0.94	0.93	0.95	0.95	0.95	**0.53**	**0.85**	0.93	**0.88**	0.94
0.88	30	0	0.91	**0.90**	0.95	0.94	0.95	**0.68**	**0.88**	0.93	**0.88**	0.96
0.88	30	0.3	0.93	0.93	0.94	0.93	0.94	**0.64**	**0.88**	0.92	0.92	0.95
0.88	60	0	0.95	0.94	0.95	0.94	0.94	**0.80**	0.91	0.91	**0.89**	0.95
0.88	60	0.3	0.95	0.94	0.94	0.95	0.95	**0.77**	0.92	0.92	0.92	0.96
0.88	99	0	0.96	0.95	0.94	0.94	0.95	**0.85**	0.92	0.93	**0.90**	0.95
0.88	99	0.3	0.95	0.94	0.94	0.94	0.95	**0.83**	0.92	0.93	0.92	0.96

Table 10:: Estimation bias results: IVAR is a predictor. β_1 is IM coefficient and β_2 is IVAR coefficient. Bias: Empirical Bias; Rbias: Relative Bias. Reg: regular regression; SIB: single indicator latent variable modeling with bootstrapping; TPB: time-parceling with bootstrapping; BV: Bayesian variability modeling. Unsatisfactory results are highlighted. $N = 500$.

Rel	T	r	$\beta_1 = 1, \beta_2 = 0$								$\beta_1 = 1, \beta_2 \neq 0$							
			Rbias for β_1				Bias for β_2				Rbias for β_1				Rbias for β_2			
			Reg	TPB	SIB	BV	Reg	TPB	SIB	BV	Reg	TPB	SIB	BV	Reg	TPB	SIB	BV
0.7	15	0	-0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.07	0.00	0.00	0.00	**-0.25**	0.05	0.04	0.03
0.7	15	0.3	-0.07	0.00	0.00	0.00	0.01	0.00	0.00	0.00	-0.04	0.06	0.00	0.00	**-0.23**	**-0.22**	0.04	0.03
0.7	30	0	-0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.04	0.00	0.00	0.00	**-0.13**	0.01	0.03	0.01
0.7	30	0.3	-0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.02	0.00	0.00	0.00	**-0.12**	0.02	0.02	0.02
0.7	60	0	-0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.02	0.00	0.00	0.00	-0.07	0.01	0.03	0.01
0.7	60	0.3	-0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	-0.07	0.01	0.01	0.01
0.7	99	0	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	-0.04	0.01	0.03	0.01
0.7	99	0.3	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	-0.04	0.00	0.01	0.00
0.88	15	0	-0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.04	0.00	0.00	0.00	**-0.17**	0.03	0.03	0.02
0.88	15	0.3	-0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.02	0.01	0.00	0.00	**-0.15**	0.02	0.04	0.02
0.88	30	0	-0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.02	0.00	0.00	0.00	-0.09	0.01	0.03	0.01
0.88	30	0.3	-0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	-0.08	0.01	0.02	0.01
0.88	60	0	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	-0.05	0.00	0.02	0.01
0.88	60	0.3	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	-0.04	0.00	0.01	0.01
0.88	99	0	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	-0.03	0.00	0.02	0.01
0.88	99	0.3	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.03	0.00	0.01	0.00

Table 11:: Coverage rate results when IM coefficient $\beta_1 = 1$ and IVAR coefficient $\beta_2 = 0$. Reg: regular regression; RegB: regular regression with bootstrapping; SIB: single indicator latent variable modeling with bootstrapping; TPB: time-parceling with bootstrapping; BV: Bayesian variability modeling. Unsatisfactory results are highlighted. $N = 500$.

Rel	T	r	Coverage rates for $\beta_1 = 1$					Coverage rates for $\beta_2 = 0$				
			Reg	RegB	TPB	SIB	BV	Reg	RegB	TPB	SIB	BV
0.7	15	0	**0.05**	**0.05**	0.95	0.95	0.96	**0.84**	0.94	0.95	0.94	0.96
0.7	15	0.3	**0.03**	**0.03**	0.95	0.95	0.95	**0.76**	**0.89**	0.94	0.93	0.95
0.7	30	0	**0.43**	**0.43**	0.96	0.95	0.95	**0.86**	0.93	0.94	0.94	0.95
0.7	30	0.3	**0.42**	**0.43**	0.96	0.96	0.95	**0.83**	0.91	0.94	0.93	0.95
0.7	60	0	**0.80**	**0.80**	0.95	0.96	0.95	**0.90**	0.94	0.93	0.94	0.95
0.7	60	0.3	**0.78**	**0.79**	0.94	0.95	0.95	**0.89**	0.93	0.94	0.94	0.94
0.7	99	0	**0.89**	**0.89**	0.96	0.96	0.96	0.91	0.92	0.95	0.94	0.95
0.7	99	0.3	**0.88**	**0.88**	0.95	0.95	0.96	0.92	0.95	0.94	0.95	0.95
0.88	15	0	**0.31**	**0.34**	0.96	0.95	0.97	**0.79**	0.93	0.95	0.95	0.95
0.88	15	0.3	**0.28**	**0.31**	0.95	0.95	0.96	**0.78**	0.91	0.95	0.94	0.95
0.88	30	0	**0.74**	**0.72**	0.96	0.95	0.96	**0.85**	0.92	0.93	0.94	0.95
0.88	30	0.3	**0.70**	**0.71**	0.95	0.95	0.95	**0.83**	0.92	0.94	0.93	0.95
0.88	60	0	**0.89**	**0.89**	0.95	0.95	0.96	**0.89**	0.94	0.94	0.95	0.95
0.88	60	0.3	**0.88**	**0.87**	0.95	0.95	0.95	**0.88**	0.93	0.94	0.94	0.94
0.88	99	0	0.92	0.92	0.96	0.96	0.96	**0.90**	0.93	0.95	0.95	0.95
0.88	99	0.3	0.92	0.92	0.95	0.95	0.96	0.92	0.94	0.95	0.94	0.95

Table 12:: Coverage rate results when IM coefficient $\beta_1 = 1$ and IVAR coefficient $\beta_2 \neq 0$. Reg: regular regression; RegB: regular regression with bootstrapping; SIB: single indicator latent variable modeling with bootstrapping; TPB: time-parceling with bootstrapping; BV: Bayesian variability modeling. Unsatisfactory results are highlighted. $N = 500$.

Rel	T	r	Coverage rates for $\beta_1 = 1$					Coverage rates for $\beta_2 \neq 0$				
			Reg	RegB	TPB	SIB	BV	Reg	RegB	TPB	SIB	BV
0.7	15	0	**0.11**	**0.10**	0.96	0.95	0.96	**0.04**	**0.18**	0.92	0.92	0.95
0.7	15	0.3	**0.57**	**0.59**	0.95	0.95	0.95	**0.04**	**0.19**	0.92	**0.90**	0.96
0.7	30	0	**0.49**	**0.49**	0.95	0.95	0.96	**0.24**	**0.52**	0.93	0.92	0.95
0.7	30	0.3	**0.84**	**0.85**	0.95	0.95	0.96	**0.25**	**0.53**	0.94	0.93	0.95
0.7	60	0	**0.83**	**0.82**	0.95	0.95	0.95	**0.51**	**0.73**	0.93	0.93	0.95
0.7	60	0.3	0.92	0.92	0.95	0.95	0.95	**0.51**	**0.76**	0.92	0.91	0.94
0.7	99	0	**0.89**	**0.89**	0.96	0.95	0.96	**0.69**	**0.84**	0.94	0.93	0.95
0.7	99	0.3	0.93	0.93	0.95	0.95	0.95	**0.67**	**0.83**	0.92	0.92	0.95
0.88	15	0	**0.40**	**0.41**	0.96	0.95	0.97	**0.19**	**0.53**	0.91	0.91	0.95
0.88	15	0.3	**0.78**	**0.80**	0.95	0.95	0.96	**0.20**	**0.54**	0.93	**0.90**	0.96
0.88	30	0	**0.76**	**0.75**	0.96	0.95	0.96	**0.45**	**0.75**	0.94	0.91	0.95
0.88	30	0.3	**0.90**	**0.90**	0.95	0.96	0.96	**0.44**	**0.75**	0.94	0.93	0.95
0.88	60	0	**0.90**	**0.90**	0.95	0.95	0.96	**0.64**	**0.86**	0.93	0.92	0.95
0.88	60	0.3	0.94	0.93	0.95	0.95	0.95	**0.62**	**0.87**	0.93	0.91	0.94
0.88	99	0	0.92	0.92	0.96	0.95	0.96	**0.77**	**0.90**	0.93	0.92	0.95
0.88	99	0.3	0.95	0.95	0.96	0.95	0.95	**0.75**	0.91	0.94	0.93	0.94

Table 13:: Estimation bias results: ISD is a predictor. β_1 is IM coefficient and β_2 is ISD coefficient. Bias: Empirical Bias; Rbias: Relative Bias. Reg: regular regression; SIB: single indicator latent variable modeling with bootstrapping; TPB: time-parceling with bootstrapping; BV: Bayesian variability modeling. Unsatisfactory results are highlighted. $N = 100$.

Rel	T	r	$\beta_1 = 1, \beta_2 = 0$								$\beta_1 = 1, \beta_2 \neq 0$							
			Rbias for β_1				Bias for β_2				Rbias for β_1				Rbias for β_2			
			Reg	TPB	SIB	BV	Reg	TPB	SIB	BV	Reg	TPB	SIB	BV	Reg	TPB	SIB	BV
0.7	15	0	-0.07	0.01	0.01	0.01	0.00	0.00	0.00	**0.13**	-0.07	0.01	0.01	0.00	**0.13**	**0.84**	**0.82**	**0.18**
0.7	15	0.3	-0.07	0.02	0.02	0.01	0.05	-0.03	-0.02	-0.03	-0.02	0.01	-0.01	-0.01	**0.15**	**0.85**	**0.84**	**0.16**
0.7	30	0	-0.04	0.01	0.01	0.00	-0.01	0.01	0.00	0.01	-0.04	0.01	0.01	0.00	**0.30**	**0.66**	**0.73**	0.08
0.7	30	0.3	-0.03	0.01	0.01	0.00	0.02	-0.02	-0.01	-0.01	-0.01	0.02	0.00	0.00	**0.31**	**0.62**	**0.70**	0.06
0.7	60	0	-0.02	0.00	0.01	0.00	0.00	0.00	-0.01	0.00	-0.02	0.00	0.00	0.00	**0.43**	**0.59**	**0.67**	0.03
0.7	60	0.3	-0.02	0.01	0.01	0.00	0.01	-0.01	-0.01	0.00	0.00	0.01	0.00	0.00	**0.42**	**0.58**	**0.67**	0.03
0.7	99	0	-0.01	0.00	0.01	0.00	-0.01	0.01	0.00	0.01	-0.01	0.00	0.00	0.00	**0.46**	**0.58**	**0.66**	0.03
0.7	99	0.3	-0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.01	0.00	0.00	**0.46**	**0.56**	**0.65**	0.02
0.88	15	0	-0.04	0.01	0.01	0.00	0.00	0.00	0.00	0.00	-0.04	0.01	0.01	0.00	**0.13**	**0.40**	**0.40**	0.06
0.88	15	0.3	-0.04	0.01	0.01	0.00	0.03	-0.01	-0.01	0.00	-0.02	0.01	0.00	0.00	**0.15**	**0.39**	**0.39**	0.05
0.88	30	0	-0.02	0.01	0.01	0.00	-0.01	0.01	0.00	0.01	-0.02	0.00	0.01	0.00	**0.20**	**0.34**	**0.38**	0.03
0.88	30	0.3	-0.02	0.01	0.01	0.00	0.01	-0.01	-0.01	0.00	-0.01	0.01	0.00	0.00	**0.20**	**0.31**	**0.34**	0.02
0.88	60	0	-0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	**0.24**	**0.30**	**0.33**	0.02
0.88	60	0.3	-0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.00	**0.24**	**0.29**	**0.33**	0.01
0.88	99	0	-0.01	0.00	0.01	0.00	0.00	0.01	0.00	0.01	-0.01	0.00	0.00	0.00	**0.25**	**0.30**	**0.33**	0.02
0.88	99	0.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	**0.25**	**0.28**	**0.32**	0.01

Table 14:: Coverage rate results when IM coefficient $\beta_1 = 1$ and ISD coefficient $\beta_2 = 0$. Reg: regular regression; RegB: regular regression with bootstrapping; SIB: single indicator latent variable modeling with bootstrapping; TPB: time-parceling with bootstrapping; BV: Bayesian variability modeling. Unsatisfactory results are highlighted. $N = 100$.

Rel	T	r	Coverage rates for $\beta_1 = 1$					Coverage rates for $\beta_2 = 0$				
			Reg	RegB	TPB	SIB	BV	Reg	RegB	TPB	SIB	BV
0.7	15	0	**0.62**	**0.63**	0.96	0.96	0.94	**0.87**	0.91	0.94	0.93	0.93
0.7	15	0.3	**0.67**	**0.65**	0.96	0.95	0.96	**0.87**	0.91	0.94	0.93	0.95
0.7	30	0	**0.83**	**0.83**	0.95	0.95	0.96	**0.88**	0.92	0.93	0.93	0.96
0.7	30	0.3	**0.85**	**0.84**	0.94	0.94	0.94	**0.89**	0.92	0.94	0.93	0.95
0.7	60	0	0.92	0.91	0.95	0.95	0.95	0.93	0.95	0.94	0.93	0.96
0.7	60	0.3	0.92	0.92	0.94	0.94	0.95	0.92	0.93	0.94	0.94	0.96
0.7	99	0	0.95	0.94	0.94	0.95	0.95	0.93	0.93	0.93	0.92	0.95
0.7	99	0.3	0.94	0.93	0.93	0.95	0.95	0.93	0.95	0.94	0.95	0.97
0.88	15	0	**0.81**	**0.80**	0.95	0.95	0.95	**0.85**	0.91	0.93	0.94	0.95
0.88	15	0.3	**0.83**	**0.83**	0.96	0.95	0.96	**0.86**	0.92	0.94	0.93	0.95
0.88	30	0	0.91	**0.90**	0.94	0.94	0.96	**0.87**	0.92	0.93	0.94	0.94
0.88	30	0.3	0.92	**0.90**	0.94	0.93	0.94	**0.90**	0.94	0.94	0.94	0.95
0.88	60	0	0.94	0.93	0.95	0.94	0.95	0.93	0.95	0.94	0.93	0.95
0.88	60	0.3	0.94	0.93	0.94	0.94	0.94	0.92	0.94	0.94	0.94	0.96
0.88	99	0	0.95	0.95	0.94	0.94	0.95	0.93	0.94	0.93	0.94	0.95
0.88	99	0.3	0.95	0.94	0.94	0.95	0.95	0.94	0.95	0.95	0.95	0.96

Table 15:: Coverage rate results when IM coefficient $\beta_1 = 1$ and ISD coefficient $\beta_2 \neq 0$. Reg: regular regression; RegB: regular regression with bootstrapping; SIB: single indicator latent variable modeling with bootstrapping; TPB: time-parceling with bootstrapping; BV: Bayesian variability modeling. Unsatisfactory results are highlighted. $N = 100$.

Rel	T	r	Coverage rates for $\beta_1 = 1$					Coverage rates for $\beta_2 \neq 0$				
			Reg	RegB	TPB	SIB	BV	Reg	RegB	TPB	SIB	BV
0.7	15	0	**0.71**	**0.69**	0.95	0.94	0.94	**0.82**	**0.86**	**0.46**	**0.32**	0.91
0.7	15	0.3	0.93	0.92	0.96	0.95	0.95	**0.79**	**0.83**	**0.42**	**0.25**	0.93
0.7	30	0	**0.86**	**0.86**	0.94	0.94	0.95	**0.51**	**0.56**	**0.24**	**0.17**	0.94
0.7	30	0.3	0.94	0.92	0.94	0.94	0.95	**0.44**	**0.47**	**0.21**	**0.10**	0.95
0.7	60	0	0.94	0.93	0.95	0.94	0.95	**0.24**	**0.24**	**0.14**	**0.10**	0.94
0.7	60	0.3	0.95	0.94	0.94	0.95	0.96	**0.14**	**0.15**	**0.09**	**0.04**	0.96
0.7	99	0	0.95	0.95	0.94	0.93	0.95	**0.15**	**0.15**	**0.08**	**0.06**	0.94
0.7	99	0.3	0.95	0.94	0.93	0.95	0.95	**0.08**	**0.08**	**0.05**	**0.02**	0.95
0.88	15	0	**0.84**	**0.83**	0.95	0.94	0.95	**0.76**	**0.83**	**0.59**	**0.52**	0.94
0.88	15	0.3	0.93	0.93	0.95	0.95	0.95	**0.72**	**0.79**	**0.55**	**0.45**	0.93
0.88	30	0	0.91	0.91	0.95	0.94	0.95	**0.63**	**0.68**	**0.47**	**0.45**	0.95
0.88	30	0.3	0.94	0.93	0.94	0.94	0.95	**0.56**	**0.62**	**0.47**	**0.37**	0.96
0.88	60	0	0.95	0.93	0.94	0.93	0.95	**0.50**	**0.52**	**0.42**	**0.35**	0.95
0.88	60	0.3	0.95	0.94	0.94	0.95	0.96	**0.41**	**0.42**	**0.35**	**0.26**	0.95
0.88	99	0	0.95	0.95	0.94	0.93	0.95	**0.46**	**0.45**	**0.38**	**0.31**	0.95
0.88	99	0.3	0.95	0.94	0.94	0.95	0.95	**0.36**	**0.34**	**0.29**	**0.23**	0.96

Table 16:: Estimation bias results: ISD is a predictor. β_1 is IM coefficient and β_2 is ISD coefficient. Bias: Empirical Bias; Rbias: Relative Bias. Reg: regular regression; SIB: single indicator latent variable modeling with bootstrapping; TPB: time-parceling with bootstrapping; BV: Bayesian variability modeling. Unsatisfactory results are highlighted. $N = 500$.

			$\beta_1 = 1, \beta_2 = 0$								$\beta_1 = 1, \beta_2 \neq 0$							
Rel	T	r	Rbias for β_1				Bias for β_2				Rbias for β_1				Rbias for β_2			
			Reg	TPB	SIB	BV	Reg	TPB	SIB	BV	Reg	TPB	SIB	BV	Reg	TPB	SIB	BV
0.7	15	0	-0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.07	0.00	0.00	0.00	**0.12**	**0.65**	**0.67**	0.02
0.7	15	0.3	-0.07	0.00	0.00	0.00	0.05	0.00	0.00	0.00	-0.03	0.01	0.00	0.00	**0.14**	**0.64**	**0.67**	0.02
0.7	30	0	-0.04	0.00	0.00	0.00	0.00	0.00	0.01	0.00	-0.04	0.00	0.00	0.00	**0.30**	**0.57**	**0.63**	0.01
0.7	30	0.3	-0.04	0.00	0.00	0.00	0.03	0.00	0.00	0.00	-0.01	0.01	0.00	0.00	**0.30**	**0.56**	**0.64**	0.01
0.7	60	0	-0.02	0.00	0.00	0.00	0.00	0.01	0.01	0.00	-0.02	0.00	0.00	0.00	**0.40**	**0.55**	**0.62**	0.01
0.7	60	0.3	-0.02	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.01	0.00	0.00	**0.40**	**0.53**	**0.61**	0.01
0.7	99	0	-0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.00	-0.01	0.00	0.00	0.00	**0.44**	**0.53**	**0.61**	0.01
0.7	99	0.3	-0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.00	**0.44**	**0.52**	**0.61**	0.01
0.88	15	0	-0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.04	0.00	0.00	0.00	**0.11**	**0.36**	**0.34**	0.01
0.88	15	0.3	-0.05	0.00	0.00	0.00	0.03	0.00	0.00	0.00	-0.02	0.01	0.00	0.00	**0.13**	**0.36**	**0.34**	0.01
0.88	30	0	-0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.02	0.00	0.00	0.00	**0.19**	**0.30**	**0.32**	0.01
0.88	30	0.3	-0.02	0.00	0.00	0.00	0.02	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	**0.20**	**0.30**	**0.32**	0.01
0.88	60	0	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	**0.22**	**0.29**	**0.31**	0.01
0.88	60	0.3	-0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.23**	**0.28**	**0.31**	0.00
0.88	99	0	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	**0.24**	**0.28**	**0.31**	0.01
0.88	99	0.3	-0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.24**	**0.27**	**0.31**	0.00

Table 17:: Coverage rate results when IM coefficient $\beta_1 = 1$ and ISD coefficient $\beta_2 = 0$. Reg: regular regression; RegB: regular regression with bootstrapping; SIB: single indicator latent variable modeling with bootstrapping; TPB: time-parceling with bootstrapping; BV: Bayesian variability modeling. Unsatisfactory results are highlighted. $N = 500$.

Rel	T	r	Coverage rates for $\beta_1 = 1$					Coverage rates for $\beta_2 = 0$				
			Reg	RegB	TPB	SIB	BV	Reg	RegB	TPB	SIB	BV
0.7	15	0	**0.04**	**0.05**	0.95	0.95	0.96	**0.88**	0.94	0.95	0.95	0.95
0.7	15	0.3	**0.03**	**0.04**	0.95	0.94	0.95	**0.79**	**0.87**	0.94	0.94	0.95
0.7	30	0	**0.43**	**0.43**	0.96	0.95	0.95	**0.88**	0.93	0.94	0.94	0.95
0.7	30	0.3	**0.41**	**0.43**	0.96	0.95	0.95	**0.85**	0.91	0.95	0.95	0.95
0.7	60	0	**0.80**	**0.80**	0.95	0.95	0.96	0.92	0.94	0.93	0.95	0.96
0.7	60	0.3	**0.77**	**0.78**	0.94	0.95	0.94	**0.90**	0.94	0.95	0.94	0.95
0.7	99	0	**0.89**	**0.89**	0.96	0.96	0.96	0.92	0.93	0.95	0.95	0.96
0.7	99	0.3	**0.88**	**0.88**	0.95	0.95	0.95	0.93	0.95	0.95	0.95	0.95
0.88	15	0	**0.30**	**0.33**	0.96	0.96	0.97	**0.85**	0.93	0.95	0.95	0.95
0.88	15	0.3	**0.27**	**0.29**	0.95	0.94	0.96	**0.81**	0.91	0.95	0.94	0.96
0.88	30	0	**0.73**	**0.72**	0.96	0.96	0.96	**0.87**	0.94	0.94	0.95	0.94
0.88	30	0.3	**0.69**	**0.71**	0.95	0.95	0.95	**0.85**	0.93	0.95	0.94	0.95
0.88	60	0	**0.89**	**0.89**	0.96	0.96	0.96	0.91	0.94	0.94	0.95	0.95
0.88	60	0.3	**0.88**	**0.88**	0.95	0.96	0.95	0.91	0.94	0.95	0.94	0.94
0.88	99	0	0.92	0.92	0.95	0.96	0.96	0.92	0.94	0.95	0.96	0.96
0.88	99	0.3	0.92	0.92	0.95	0.95	0.95	0.93	0.94	0.95	0.95	0.95

Table 18:: Coverage rate results when IM coefficient $\beta_1 = 1$ and ISD coefficient $\beta_2 \neq 0$. Reg: regular regression; RegB: regular regression with bootstrapping; SIB: single indicator latent variable modeling with bootstrapping; TPB: time-parceling with bootstrapping; BV: Bayesian variability modeling. Unsatisfactory results are highlighted. $N = 500$.

Rel	T	r	Coverage rates for $\beta_1 = 1$					Coverage rates for $\beta_2 \neq 0$				
			Reg	RegB	TPB	SIB	BV	Reg	RegB	TPB	SIB	BV
0.7	15	0	**0.10**	**0.10**	0.94	0.95	0.96	**0.60**	**0.72**	**0.02**	**0.02**	0.96
0.7	15	0.3	**0.77**	**0.78**	0.94	0.96	0.95	**0.41**	**0.57**	**0.01**	**0.01**	0.94
0.7	30	0	**0.52**	**0.52**	0.96	0.96	0.96	**0.03**	**0.06**	**0.00**	**0.00**	0.94
0.7	30	0.3	0.94	0.94	0.95	0.97	0.96	**0.00**	**0.02**	**0.00**	**0.00**	0.96
0.7	60	0	**0.83**	**0.83**	0.95	0.95	0.96	**0.00**	**0.00**	**0.00**	**0.00**	0.96
0.7	60	0.3	0.96	0.95	0.93	0.96	0.95	**0.00**	**0.00**	**0.00**	**0.00**	0.95
0.7	99	0	**0.89**	**0.89**	0.95	0.96	0.96	**0.00**	**0.00**	**0.00**	**0.00**	0.94
0.7	99	0.3	0.95	0.95	0.93	0.96	0.94	**0.00**	**0.00**	**0.00**	**0.00**	0.95
0.88	15	0	**0.40**	**0.41**	0.95	0.95	0.96	**0.49**	**0.67**	**0.11**	**0.11**	0.95
0.88	15	0.3	**0.78**	**0.80**	0.95	0.96	0.95	**0.31**	**0.50**	**0.06**	**0.05**	0.96
0.88	30	0	**0.75**	**0.75**	0.96	0.96	0.96	**0.13**	**0.23**	**0.05**	**0.04**	0.94
0.88	30	0.3	0.93	0.93	0.95	0.96	0.96	**0.04**	**0.11**	**0.01**	**0.01**	0.95
0.88	60	0	**0.89**	0.91	0.95	0.95	0.96	**0.02**	**0.05**	**0.01**	**0.00**	0.95
0.88	60	0.3	0.94	0.95	0.94	0.96	0.95	**0.01**	**0.02**	**0.01**	**0.00**	0.94
0.88	99	0	0.92	0.91	0.96	0.96	0.96	**0.01**	**0.02**	**0.01**	**0.01**	0.95
0.88	99	0.3	0.96	0.95	0.94	0.96	0.95	**0.00**	**0.00**	**0.00**	**0.00**	0.95