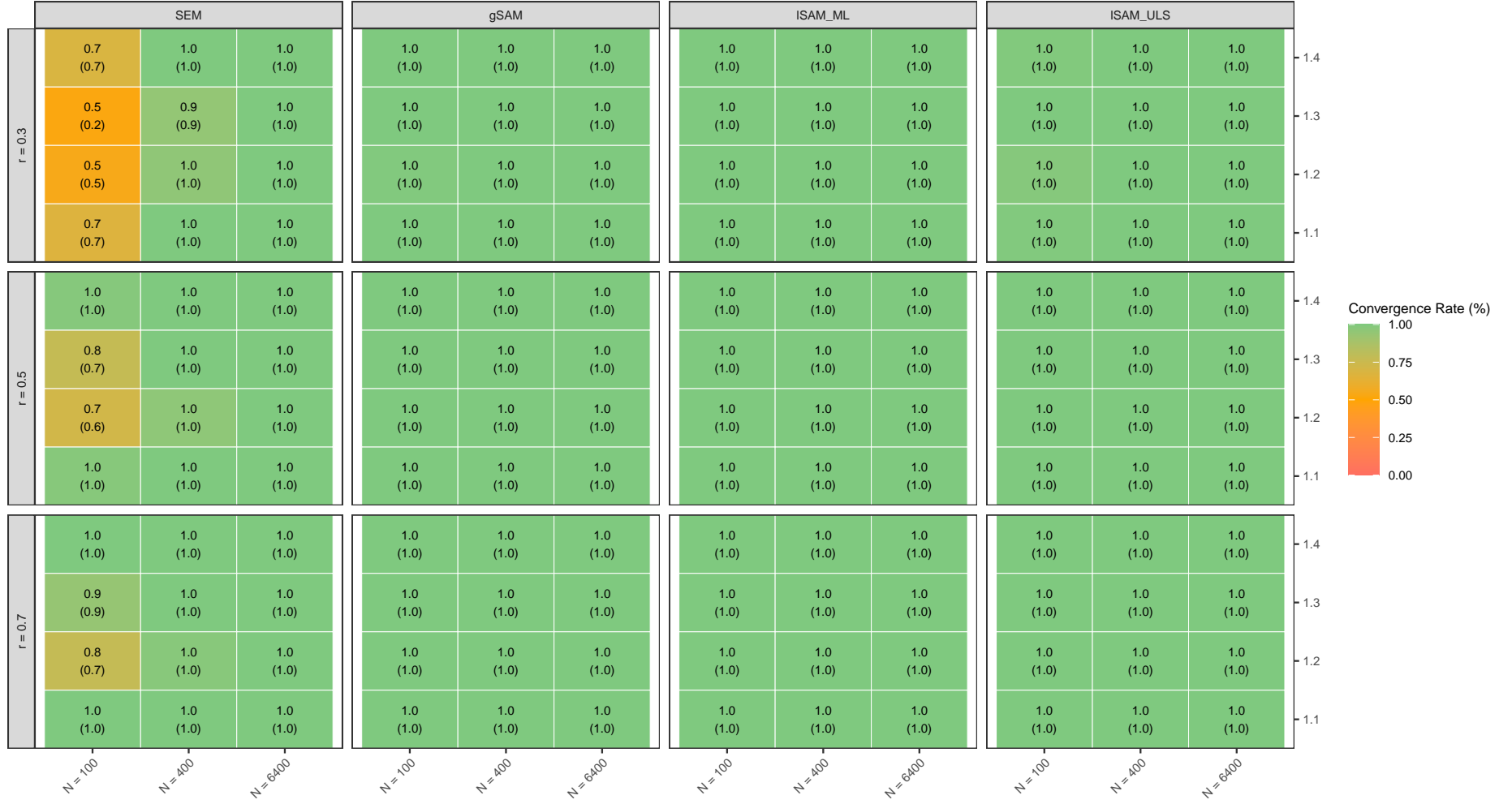
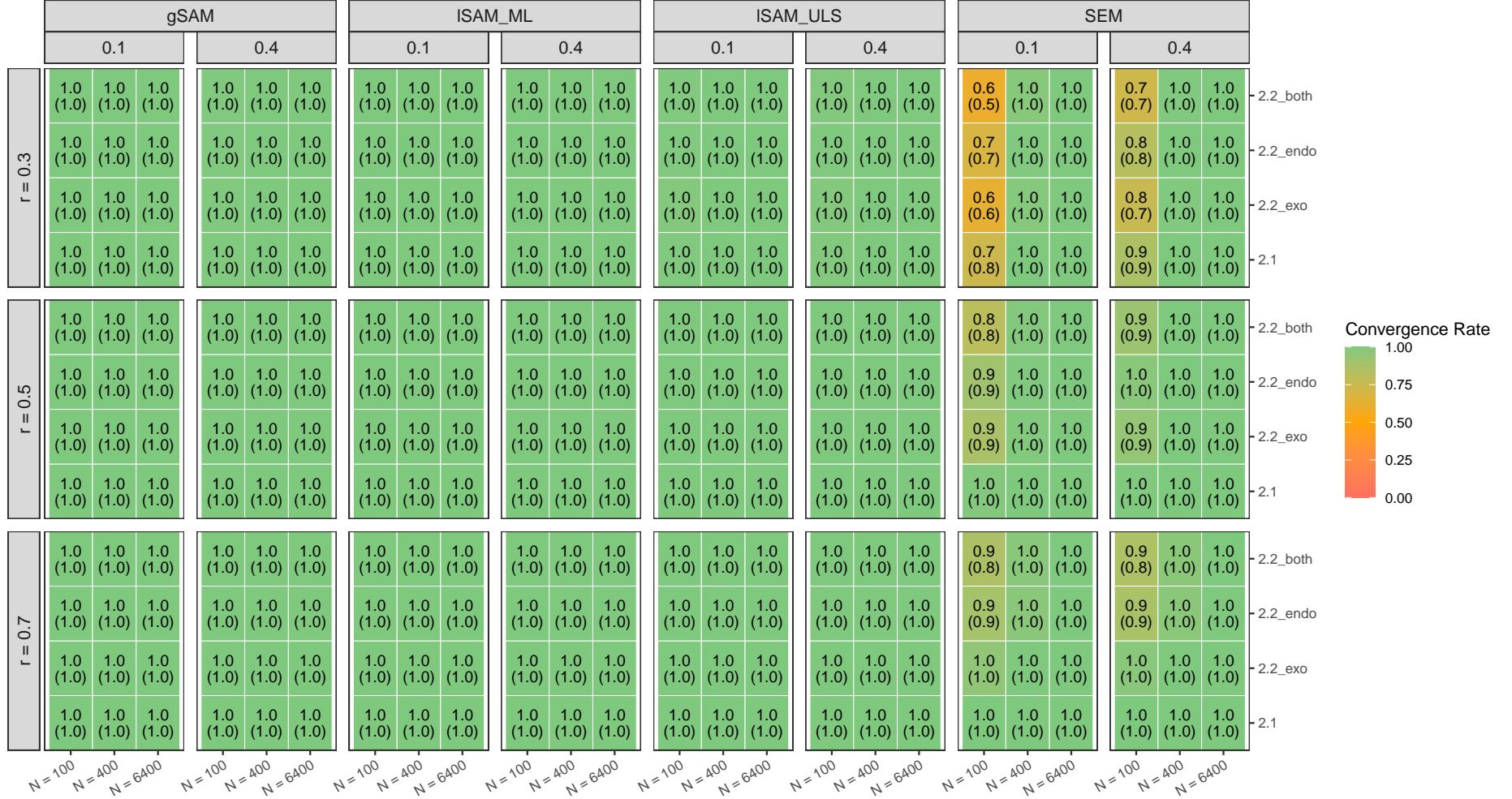


Table 1: Convergence Rate and Rate of Improper Solutions (Study 1)



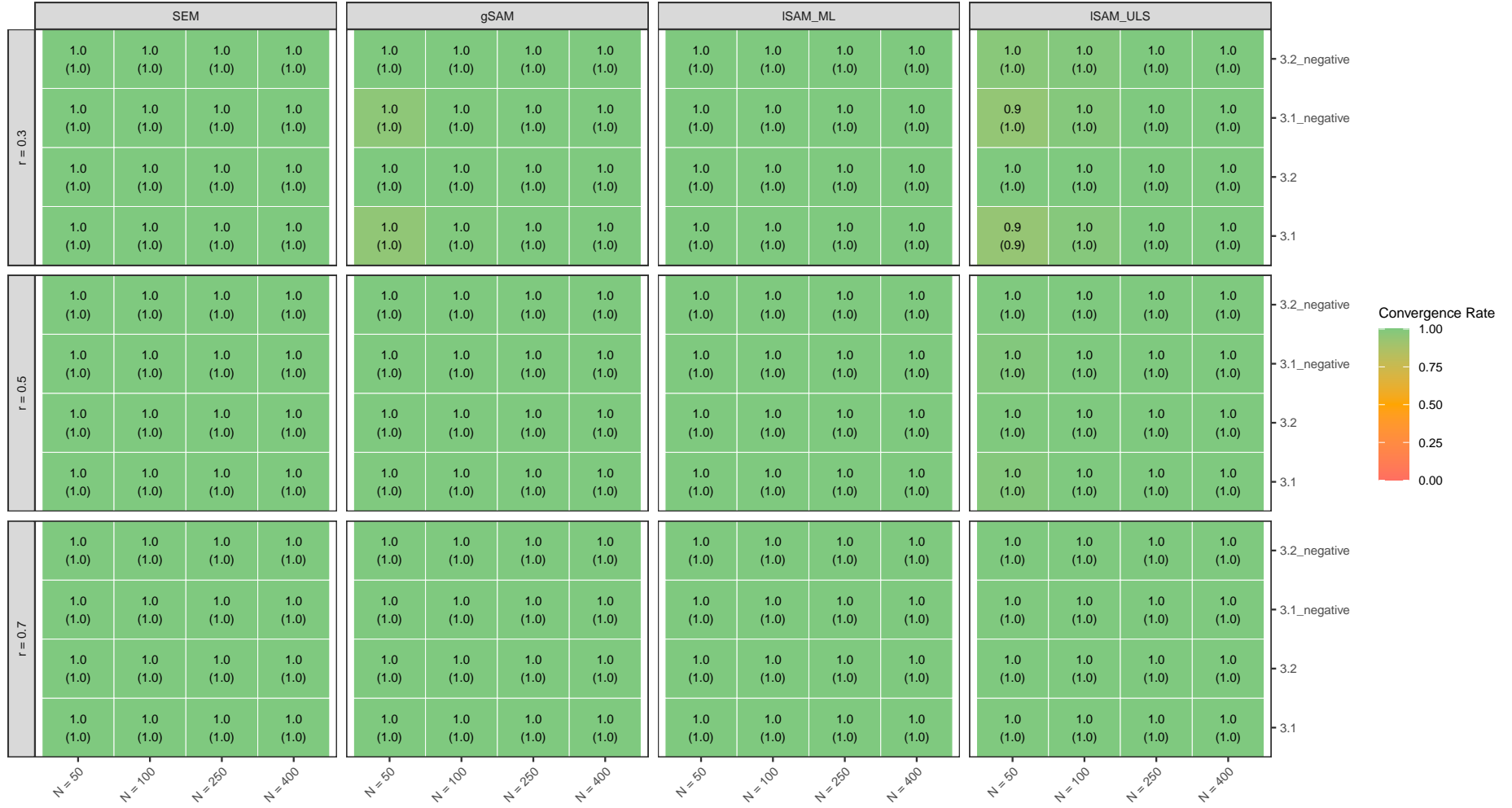
Note This figure shows the convergence rate and the rate of proper solutions for the different methods and conditions in simulation study 1.

Table 2: Convergence Rate and Rate of Proper Solutions (Study 2)



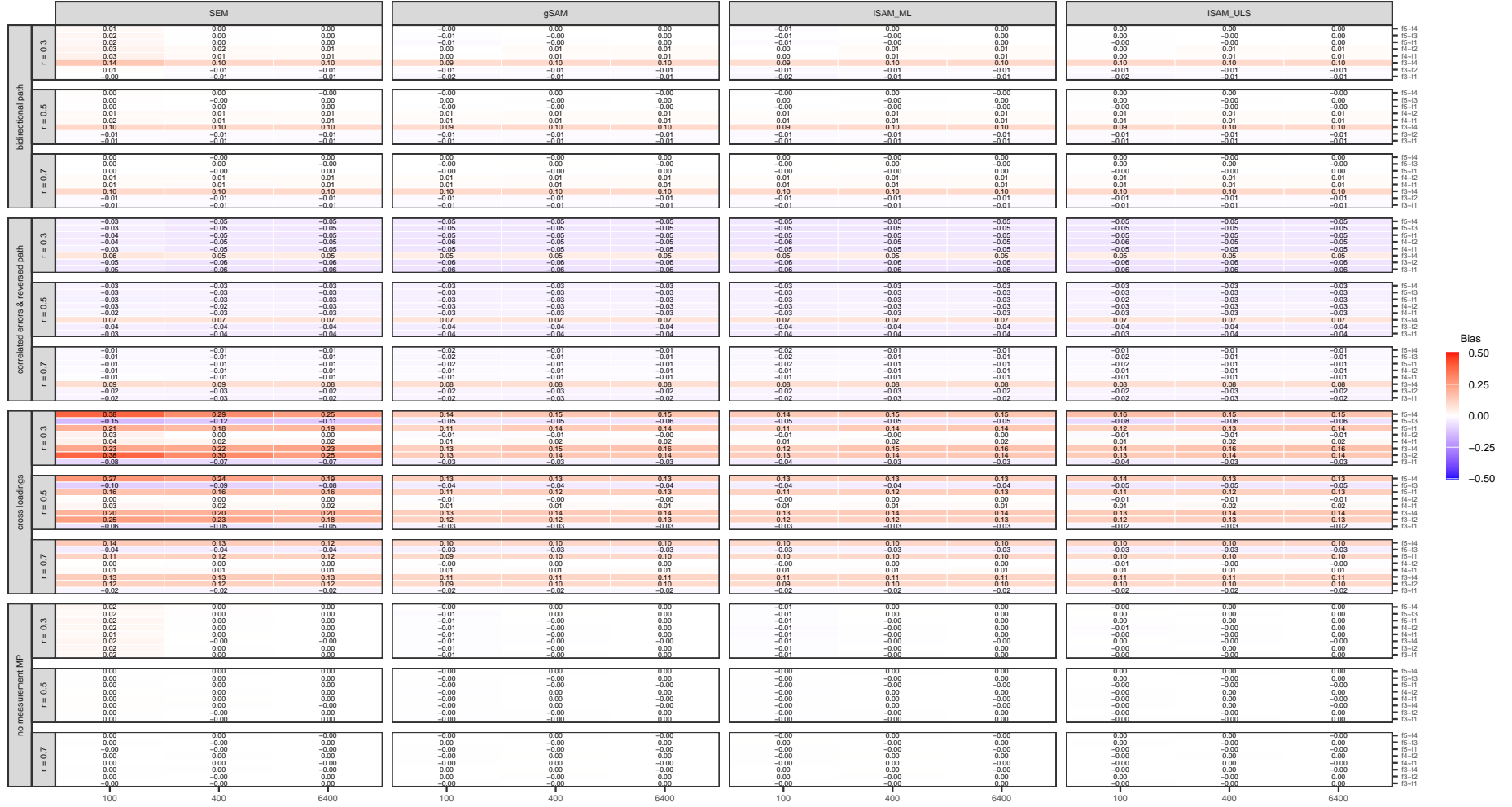
Note This figure shows the convergence rate and the rate of proper solutions in brackets for the different methods and conditions in simulation study 2.

Table 3: Convergence Rate and Rate of Improper Solutions (Study 3)



Note This figure shows the convergence rate and the rate of improper solutions for the different methods and conditions in simulation study 3.

Table 4: Absolute Average Bias of Regression Parameters (Study 1)



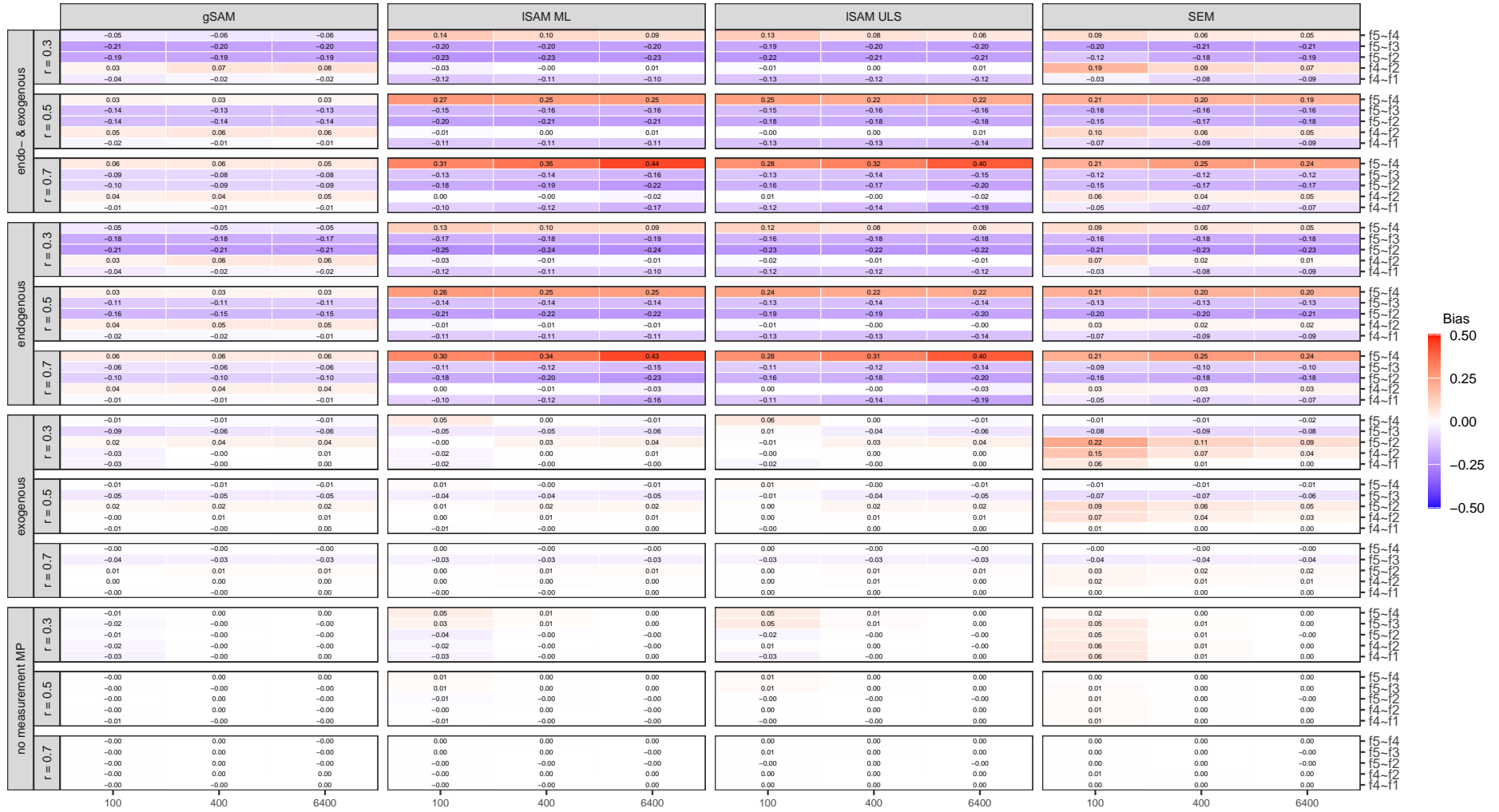
Note. This figure shows the average absolute bias values for each parameter in the different conditions of simulation study 1.

Table 5: Aggregated Bias of Regression Parameters (Study 1)

gSAM				ISAM ML			ISAM ULS			SEM			
r = 0.3	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	no measurement MP
	0.07	0.08	0.08	0.07	0.08	0.08	0.08	0.08	0.08	0.18	0.14	0.13	cross loadings
	0.06	0.05	0.05	0.06	0.05	0.05	0.06	0.05	0.05	0.04	0.05	0.05	correlated errors & reversed path
	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.01	bidirectional path
r = 0.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no measurement MP
	0.06	0.07	0.07	0.06	0.07	0.07	0.07	0.07	0.07	0.12	0.11	0.10	cross loadings
	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	correlated errors & reversed path
	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	bidirectional path
r = 0.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no measurement MP
	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06	cross loadings
	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	correlated errors & reversed path
	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	bidirectional path
100 400 6400				100 400 6400			100 400 6400			100 400 6400			

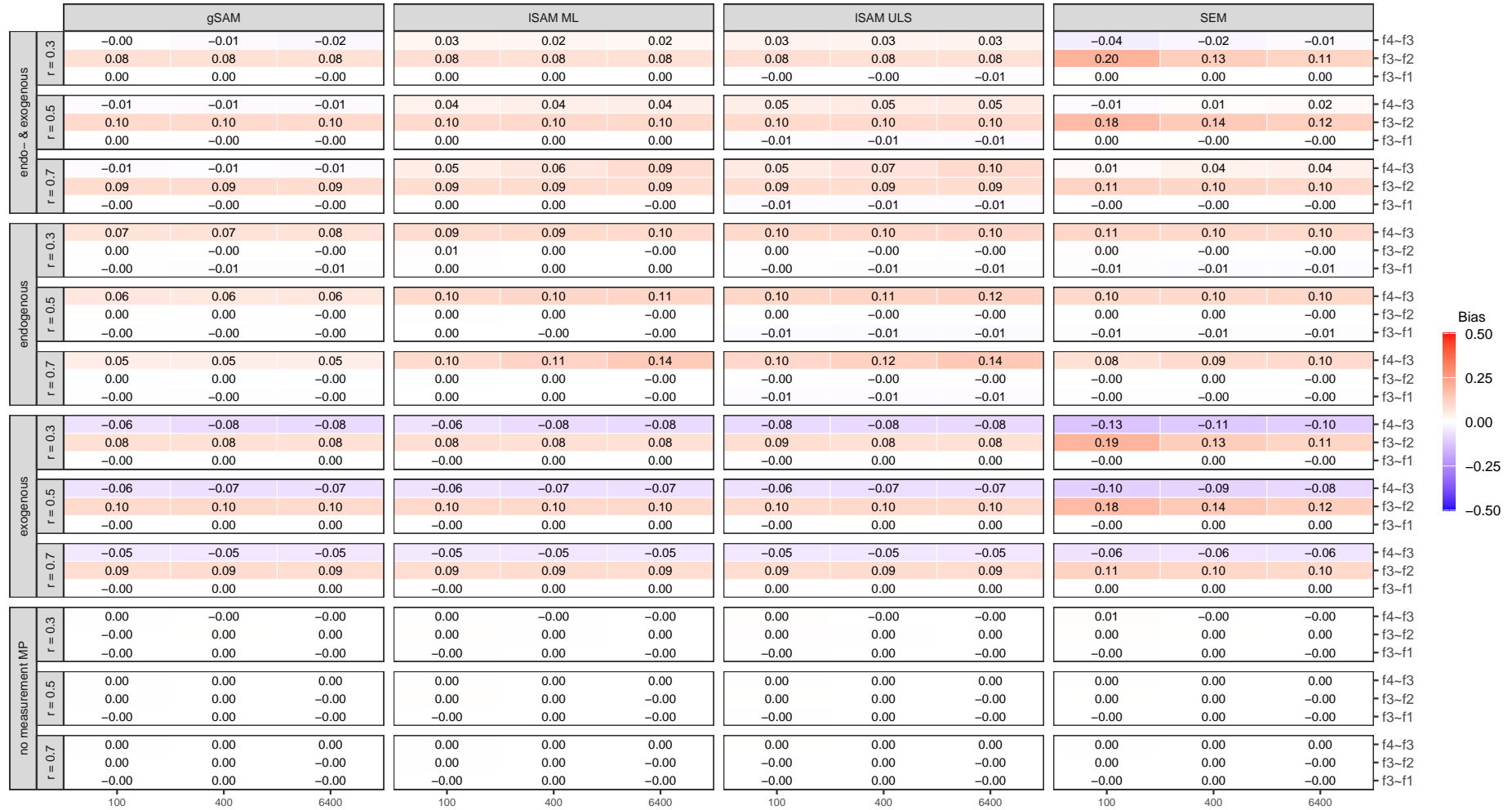
Note: This figure displays the aggregated bias (absolute values) of estimated regression parameters across methods and conditions in simulation study 1. The right y-axis indicates misspecifications (MP), referring to omitted parameters in the analysis model.

Table 6: Relative Average Bias of correctly specified Regression Parameters (Study 2)



Note. This figure shows the

Table 7: Absolute Average Bias of Regression Parameters not Present (set to 0) in the Population Model (Study 2)



Note. This figure shows the

Table 8: Aggregated Relative Bias of Regression Parameters (Study 2)



Note. This figure shows the aggregated relative bias (in absolute values) of the estimated regression parameters for the different methods and conditions in simulation study 2.

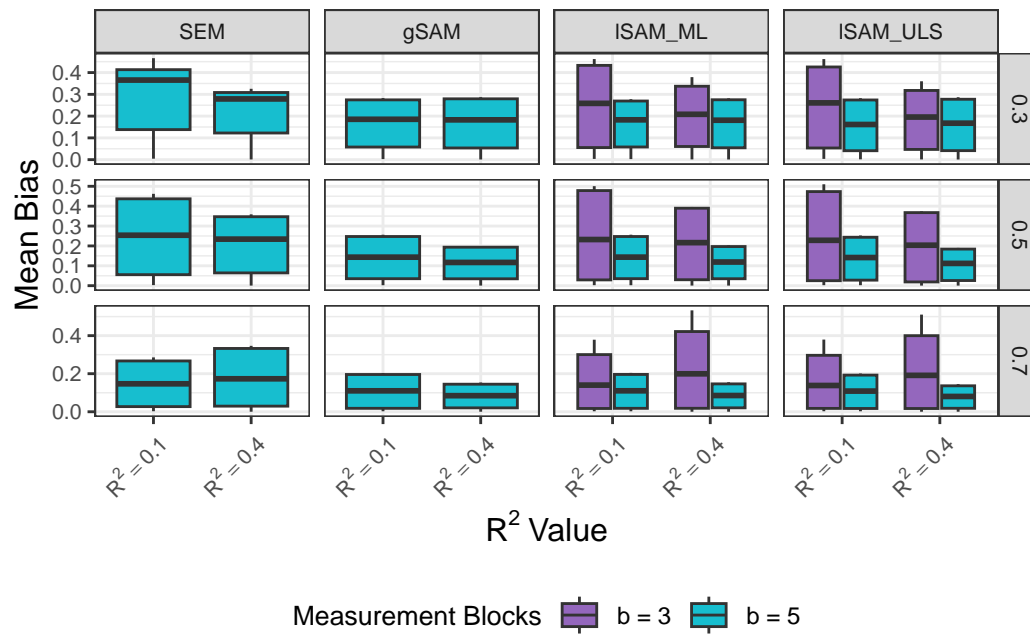
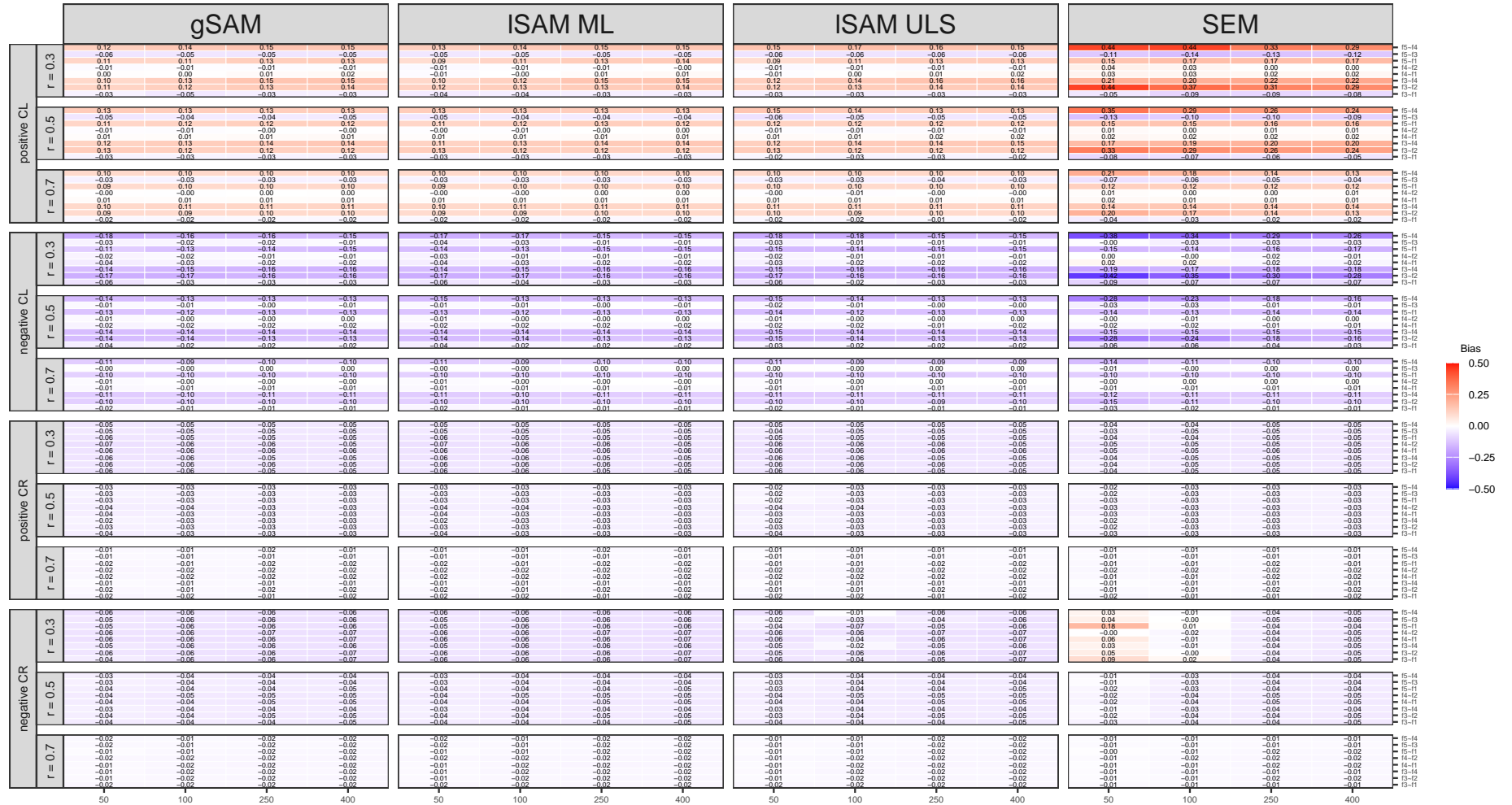


Table 9: Absolute Average Bias of Regression Parameters (Study 3)



Note. This figure shows the average absolute bias values for each parameter in the different conditions of simulation study 3.

Table 10: Aggregated Bias of Regression Parameters

	r = 0.3	gSAM				ISAM ML				ISAM ULS				SEM				
		0.05	0.06	0.06	0.07	0.06	0.06	0.06	0.07	0.05	0.04	0.06	0.06	0.06	0.01	0.04	0.05	negative CR
		0.06	0.06	0.05	0.05	0.06	0.06	0.05	0.05	0.06	0.05	0.05	0.05	0.04	0.05	0.05	0.05	positive CR
		0.09	0.08	0.08	0.08	0.09	0.08	0.08	0.08	0.09	0.08	0.08	0.08	0.15	0.14	0.12	0.12	negative CL
		0.06	0.07	0.07	0.08	0.06	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.18	0.18	0.15	0.14	positive CL
	r = 0.5	0.04	0.04	0.05	0.05	0.04	0.04	0.05	0.05	0.04	0.04	0.05	0.05	0.02	0.04	0.04	0.04	negative CR
		0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	positive CR
		0.07	0.06	0.06	0.06	0.07	0.06	0.06	0.06	0.07	0.06	0.06	0.06	0.12	0.10	0.08	0.07	negative CL
		0.07	0.06	0.07	0.07	0.07	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.15	0.13	0.12	0.12	positive CL
	r = 0.7	0.01	0.02	0.02	0.02	0.01	0.02	0.02	0.02	0.01	0.02	0.02	0.02	0.01	0.01	0.02	0.02	negative CR
		0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.02	0.02	0.02	0.01	0.01	0.02	0.02	positive CR
		0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.06	0.05	0.05	0.05	negative CL
		0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.10	0.08	0.07	0.07	positive CL
		50	100	250	400	50	100	250	400	50	100	250	400	50	100	250	400	

Note. This figure shows the aggregated bias (absolute values) of the estimated regression parameters for the different methods and conditions.