

Tables_md

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2020-04-16

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## Joining, by = c("Limit fraction", "Slope", "Std", "Random Effects", "Method", "bias", "Coverage", "V
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Table 1: Summary statistics of simulations at 30% censored data and a 1% yearly increase.

Individual Sd	Random Effect	Method	$(\hat{\beta} - \beta)^2$	Coverage	Var($\hat{\beta}$)	MSE	Se($(\hat{\beta} - \beta)^2$)
0.05	High	Substitution	0.0017	0.95	0.0014	0.0031	0e+00
		LMMC	0.0025	0.99	0.0025	0.0050	0e+00
	Low	Substitution	0.0003	0.08	0.0000	0.0003	0e+00
		LMMC	0.0000	0.96	0.0000	0.0000	0e+00
0.50	High	Substitution	0.0014	0.97	0.0013	0.0026	0e+00
		LMMC	0.0021	0.99	0.0021	0.0042	0e+00
	Low	Substitution	0.0002	0.96	0.0002	0.0004	0e+00
		LMMC	0.0002	0.97	0.0002	0.0004	0e+00
1.40	High	Substitution	0.0024	0.96	0.0024	0.0048	0e+00
		LMMC	0.0043	0.97	0.0043	0.0086	1e-04
	Low	Substitution	0.0010	0.94	0.0010	0.0019	0e+00
		LMMC	0.0016	0.96	0.0015	0.0031	0e+00

Table 2: Summary statistics of simulations at 30% censored data and a 5% yearly increase.

Individual Sd	Random Effect	Method	$(\hat{\beta} - \beta)^2$	Coverage	Var($\hat{\beta}$)	MSE	Se($(\hat{\beta} - \beta)^2$)
0.05	High	Substitution	0.0021	0.94	0.0012	0.0033	0
		LMMC	0.0023	0.97	0.0021	0.0044	0
	Low	Substitution	0.0006	0.00	0.0000	0.0006	0
		LMMC	0.0000	0.97	0.0000	0.0000	0
0.50	High	Substitution	0.0019	0.96	0.0013	0.0033	0
		LMMC	0.0024	0.98	0.0024	0.0047	0
	Low	Substitution	0.0002	0.93	0.0002	0.0004	0
		LMMC	0.0003	0.94	0.0003	0.0005	0
1.40	High	Substitution	0.0027	0.96	0.0022	0.0048	0
		LMMC	0.0039	0.98	0.0038	0.0077	0
	Low	Substitution	0.0013	0.91	0.0012	0.0024	0
		LMMC	0.0017	0.95	0.0018	0.0035	0

Table 3: Summary statistics of simulations at 60% censored data and a 1% yearly increase.

Individual Sd	Random Effect	Method	$(\hat{\beta} - \beta)^2$	Coverage	Var($\hat{\beta}$)	MSE	Se($(\hat{\beta} - \beta)^2$)
0.05	High	Substitution	0.0010	0.99	0.0006	0.0016	0e+00
		LMMC	0.0041	0.99	0.0039	0.0080	1e-04
	Low	Substitution	0.0003	0.04	0.0000	0.0003	0e+00
		LMMC	0.0000	0.98	0.0000	0.0000	0e+00
0.50	High	Substitution	0.0012	0.95	0.0006	0.0018	0e+00
		LMMC	0.0045	0.97	0.0037	0.0082	1e-04
	Low	Substitution	0.0001	0.94	0.0001	0.0002	0e+00
		LMMC	0.0003	0.96	0.0003	0.0005	0e+00
1.40	High	Substitution	0.0013	0.97	0.0009	0.0022	0e+00
		LMMC	0.0049	0.99	0.0043	0.0092	1e-04
	Low	Substitution	0.0006	0.94	0.0005	0.0011	0e+00
		LMMC	0.0021	0.95	0.0021	0.0043	0e+00

Table 4: Summary statistics of simulations at 60% censored data and a 5% yearly increase.

Individual Sd	Random Effect	Method	$(\hat{\beta} - \beta)^2$	Coverage	$\text{Var}(\hat{\beta})$	MSE	$\text{Se}((\hat{\beta} - \beta)^2)$
0.05	High	Substitution	0.0024	0.78	0.0006	0.0030	0e+00
		LMMC	0.0035	0.99	0.0033	0.0068	0e+00
	Low	Substitution	0.0003	0.00	0.0000	0.0003	0e+00
		LMMC	0.0000	0.91	0.0000	0.0000	0e+00
0.50	High	Substitution	0.0024	0.85	0.0006	0.0030	0e+00
		LMMC	0.0034	0.99	0.0033	0.0067	0e+00
	Low	Substitution	0.0003	0.76	0.0001	0.0004	0e+00
		LMMC	0.0002	0.96	0.0002	0.0005	0e+00
1.40	High	Substitution	0.0031	0.76	0.0011	0.0042	0e+00
		LMMC	0.0063	0.97	0.0060	0.0123	1e-04
	Low	Substitution	0.0011	0.79	0.0006	0.0017	0e+00
		LMMC	0.0022	0.96	0.0022	0.0043	0e+00