Table 1: Comparison on model selection via regression upon applying different missing data methods.

	n	500	1000	2000	4000	8000
Amelia	Bias	-0.121	-0.134	-0.132	-0.125	-0.128
	RMSE	0.204	0.175	0.157	0.137	0.134
	Type I Error	0.106	0.216	0.362	0.526	0.79
	Coverage (%)	89.4	78.4	63.8	47.4	21
Complete case	Bias	0.002	-0.001	-0.003	0	0.004
	RMSE	0.15	0.107	0.069	0.049	0.037
	Type I Error	0.056	0.058	0.05	0.042	0.054
	Coverage (%)	94.4	94.2	95	95.8	94.6
MICE	Bias	-0.204	-0.236	-0.256	-0.258	-0.265
	RMSE	0.271	0.267	0.272	0.265	0.269
	Type I Error	0.296	0.546	0.818	0.974	1
	Coverage (%)	70.4	45.4	18.2	2.6	0
Missing tree	Bias	0.009	0.005	-0.003	0	0.005
	RMSE	0.206	0.148	0.104	0.072	0.054
	Type I Error	0.078	0.066	0.054	0.052	0.054
	Coverage (%)	92.2	93.4	94.6	94.4	94.4