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Model		Basic	Fuller	MC	MC-Reg	Cube	Cube-Reg	SRS	SRS-Reg
Linear	RB	-0	-0	-0	-0	0	0	0	0
	CV	19	19	54	19	33	19	66	19
	RE	94	100	12	100	32	101	8	92
Quadratic	RB	-15	-15	0	-12	-0	-9	1	-21
	CV	37	37	128	40	61	41	75	38
	RE	99	100	9	90	42	89	27	84
Exponential	RB	-74	-74	4	-71	1	-38	5	-67
	CV	165	164	703	179	321	208	336	152
	RE	99	100	7	87	31	72	29	117
Bump	RB	-19	-19	0	-15	-0	-11	2	-6
	CV	47	47	156	51	75	52	93	39
	RE	99	100	10	90	75	89	29	99
Anova	RB	4	4	-0	3	3	3	-1	5
	CV	19	19	18	20	18	19	19	19
	RE	100	100	109	95	108	95	95	95
Logistic	RB	3	3	0	2	2	2	2	5
	CV	24	24	23	24	24	24	24	26
	RE	100	100	110	100	100	98	98	84

Table 3: Monte Carlo percent relative bias, percent coefficient of variation and percent relative efficiency of several estimators under three sampling designs of size  $n = 25$ , with a rejection rate equal to 90% and for a log-normal distribution of  $x$ .

Model		Basic	Fuller	MC	MC-Reg	Cube	Cube-Reg	SRS	SRS-Reg
Linear	RB	-0	-0	-0	-0	0	0	0	-0
	CV	13	13	13	13	13	13	29	13
	RE	98	100	100	100	93	100	20	100
Quadratic	RB	0	0	-0	-0	0	-0	-0	-2
	CV	12	12	12	12	13	13	12	13
	RE	100	100	95	97	93	93	101	91
Exponential	RB	-1	-1	0	0	0	0	-0	-1
	CV	9	9	10	9	10	9	15	9
	RE	95	100	91	96	93	97	35	97
Bump	RB	-2	-2	0	0	0	0	-1	-6
	CV	38	38	38	38	38	38	38	39
	RE	100	100	99	99	96	96	99	90
Anova	RB	0	0	-0	-0	-0	-0	0	1
	CV	5	5	5	5	5	5	7	5
	RE	100	100	103	100	96	98	51	93
Logistic	RB	-0	-0	-0	-0	0	0	-0	-0
	CV	11	11	11	11	11	11	14	11
	RE	100	100	101	101	97	98	61	95

Table 4: Monte Carlo percent relative bias, percent coefficient of variation and percent relative efficiency of several estimators under three sampling designs of size  $n = 50$ , with a rejection rate equal to 90% and for a normal distribution of  $x$ .





