

data: E with 4 continuous variables

GxE: $g[1]*e[1], g[1]*e[2], g[1]*e[3], g[2]*e[4], g[3]*e[1], g[3]*e[2],$
 $g[4]*e[4], g[5]*e[1], g[5]*e[2], g[6]*e[4], g[7]*e[1], g[7]*e[2]$

n=200, p=500, seq(0,1,by=0.01), rep=30

MAF

coefficients: (0.1, 0.5)

		BL			BLSS		
error		main	interaction	total	main	interaction	total
n(0,1)	Top100	7.7	6.8	14.5	7.63	10.93	18.57
	SD	0.47	1.63	1.79	0.72	0.98	1.22
t(2)	Top100	6.57	4.47	11.03	6.6	8.4	15
	SD	1.87	1.69	2.88	1.57	2.51	3.68
lognorm(0,2)	Top100	0.5	0.83	1.33	0.7	0.4	1.1
	SD	0.73	1.02	1.47	0.99	0.86	1.54
90% n(0,1) + 10% Cauchy(0,1)	Top100	5.73	4.3	10.03	5.73	7.67	13.4
	SD	2.82	2.64	5.11	3.02	4.19	7.05
80% n(0,1) + 20% Cauchy(0,1)	Top100	5.6	2.93	8.53	5.27	6.9	12.17
	SD	2.61	2.23	4.27	2.27	3.64	5.66

top21, top22, top23, top24, top25

		LADBL			LADBLSS		
error		main	interaction	total	main	interaction	total
n(0,1)	Top100	7.7	7.33	15.03	7.87	10.33	18.2
	SD	0.75	1.95	2.14	0.35	1.35	1.45
t(2)	Top100	7.57	5.77	13.33	7.43	9.3	16.73
	SD	0.62	1.50	1.77	0.68	2.15	2.43
lognorm(0,2)	Top100	6.13	3.8	9.93	6.63	10.1	16.73
	SD	2.05	1.39	1.32	1.16	1.73	2.52
90% n(0,1) + 10% Cauchy(0,1)	Top100	7.8	6.87	14.67	7.83	10.5	18.33
	SD	0.48	1.61	1.54	0.38	1.25	1.39
80% n(0,1) + 20% Cauchy(0,1)	Top100	7.87	6.87	14.73	7.7	10.7	18.4
	SD	0.35	1.45	1.46	0.53	1.12	1.28