

case1

data: E with 4 continuous variables

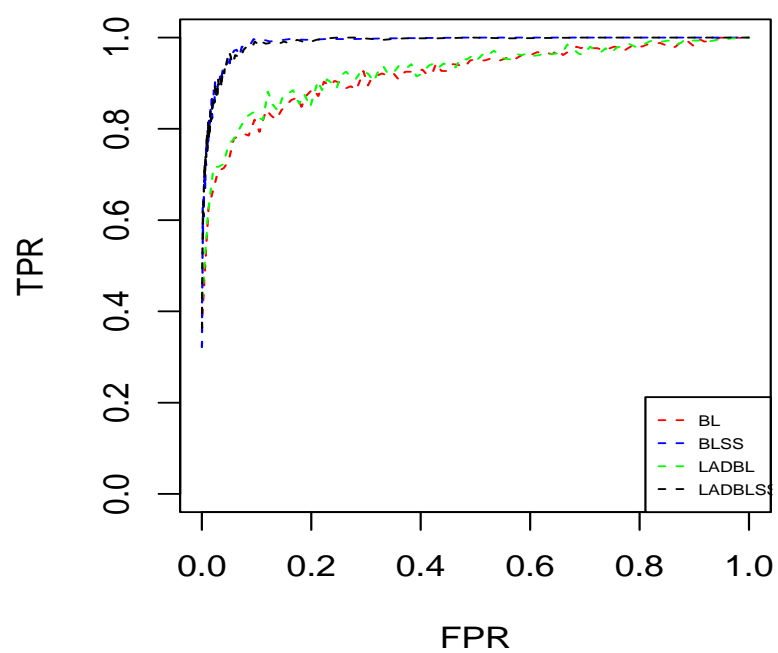
GxE: $g[1]*e[1], g[1]*e[2], g[1]*e[3], g[2]*e[4], g[3]*e[1], g[3]*e[2],$
 $g[4]*e[4], g[5]*e[1], g[5]*e[2], g[6]*e[4], g[7]*e[1], g[7]*e[2]$

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

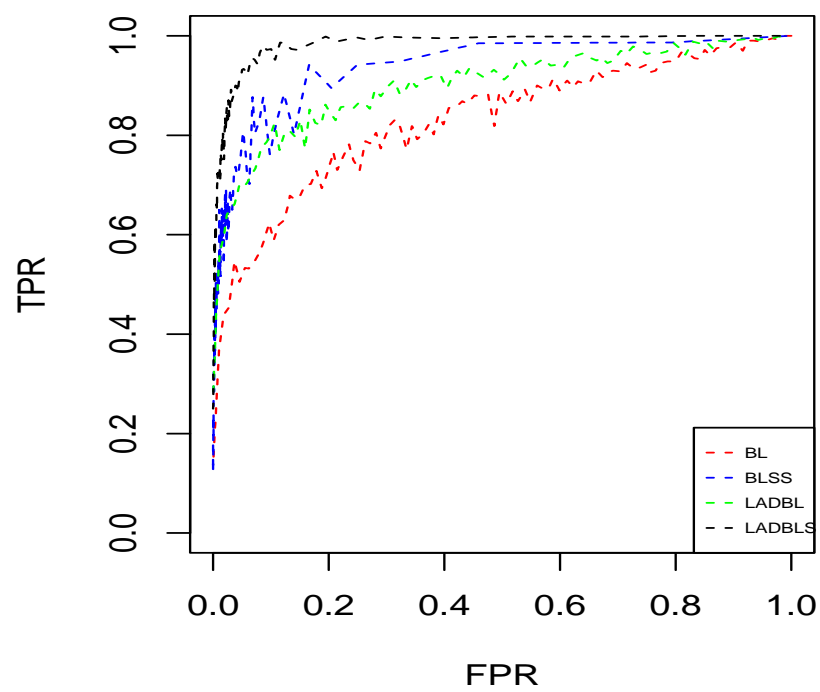
coefficients: (0.1, 0.5)

error		BL	BLSS	LADBL	LADBLSS
n(0,1)	AUC	0.9182	0.9901	0.9258	0.9887
	SD	0.0052	0.0021	0.0076	0.0026
t(2)	AUC	0.8332	0.9420	0.9004	0.9841
	SD	0.0107	0.0235	0.0078	0.0031
10%laplace(0,1) +90% laplace(0,sqrt(5))	AUC	0.8088	0.9507	0.8406	0.9599
	SD	0.0077	0.0161	0.0079	0.0060
lognorm(0,2)	AUC	0.5343	0.5473	0.8432	0.9558
	SD	0.0144	0.0576	0.0115	0.0161
lognorm(0,1)	AUC	0.8575	0.9561	0.9069	0.9713
	SD	0.0087	0.0154	0.0079	0.0042

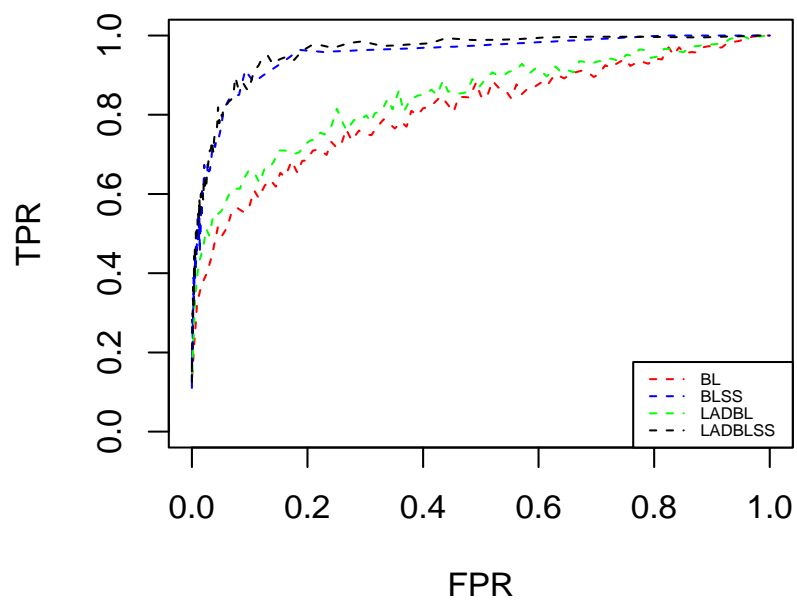
error=n(0,1)



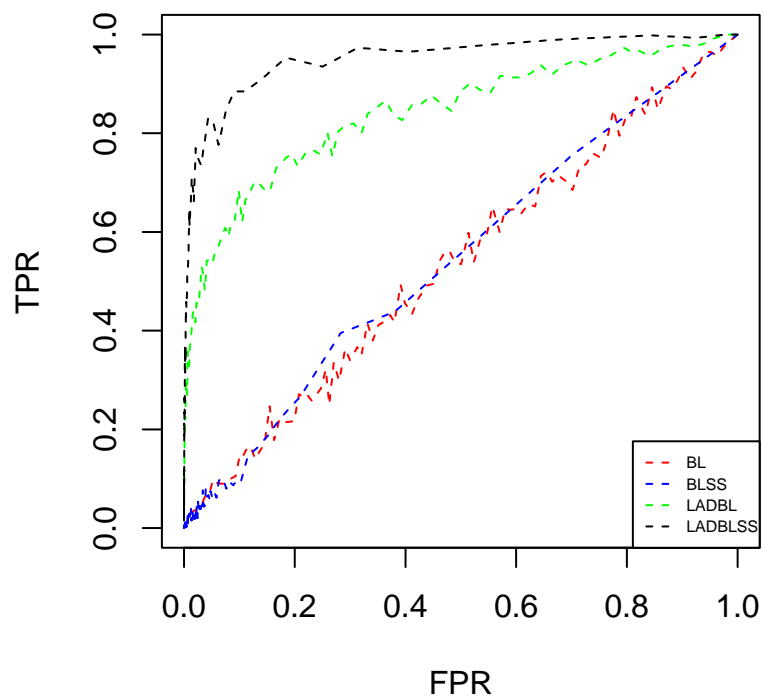
error=t(2)



10%laplace(0, 1)+90%laplace(0, $\sqrt{5}$)



error=lognormal(0, 2)



case2

data: E with 2 continuous variables and 2 discrete variables

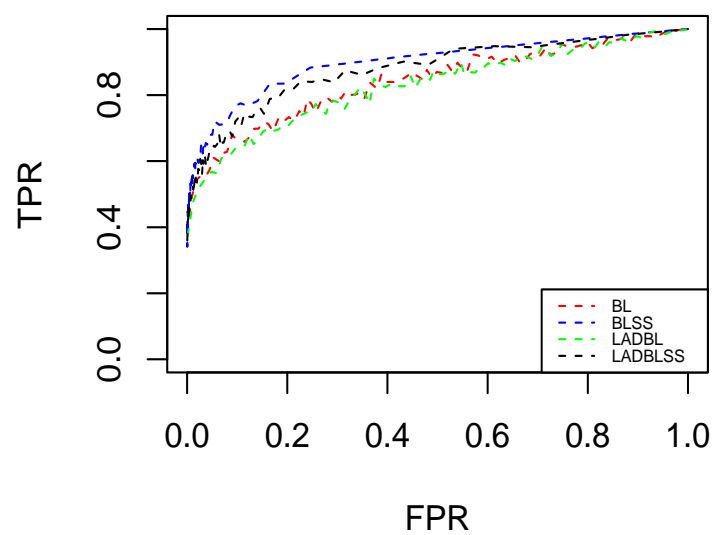
GxE: $g[1]*e[1], g[3]*e[2], g[5]*e[3], g[8]*e[4], g[15]*e[1], g[18]*e[2],$
 $g[24]*e[4], g[25]*e[1], g[35]*e[2], g[36]*e[4], g[40]*e[1], g[43]*e[2]$

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

coefficients: (0.1, 0.5)

error		BL	BLSS	LADBL	LADBLSS
n(0,1)	AUC	0.8413	0.8995	0.8294	0.8814
	SD	0.0066	0.0179	0.0096	0.0101
t(2)	AUC	0.7716	0.8138	0.8092	0.8598
	SD	0.0085	0.0288	0.0073	0.0123
10%laplace(0,1) +90% laplace(0,sqrt(5))	AUC	0.7570	0.8014	0.7712	0.8124
	SD	0.0089	0.0253	0.0087	0.0129
lognorm(0,2)	AUC	0.5385	0.4917	0.7654	0.8001
	SD	0.0123	0.0403	0.0127	0.0212
lognorm(0,1)	AUC	0.7863	0.8090	0.8080	0.8268
	SD	0.0063	0.0192	0.0079	0.0105

error=n(0,1)



error=t(2)

