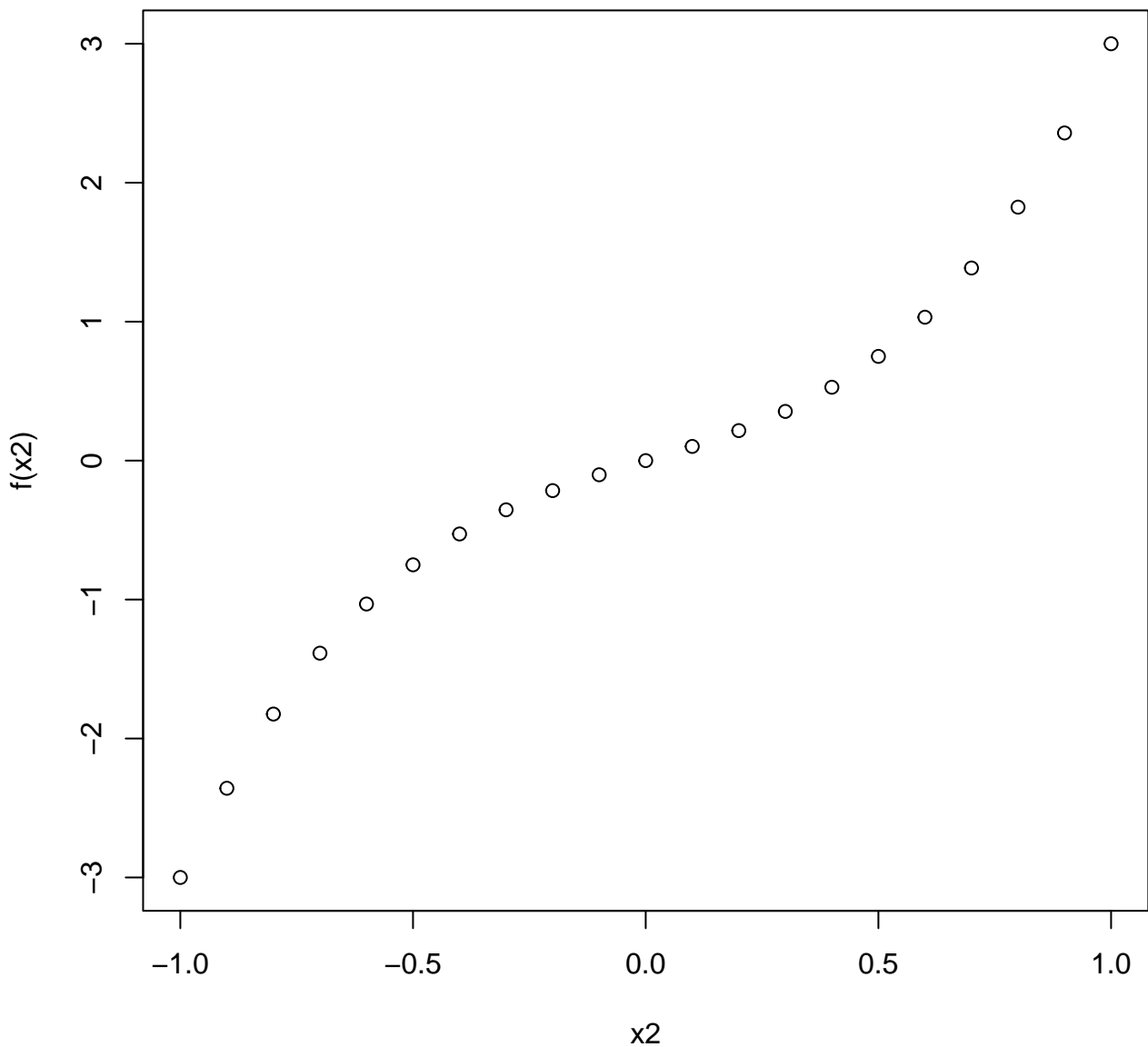
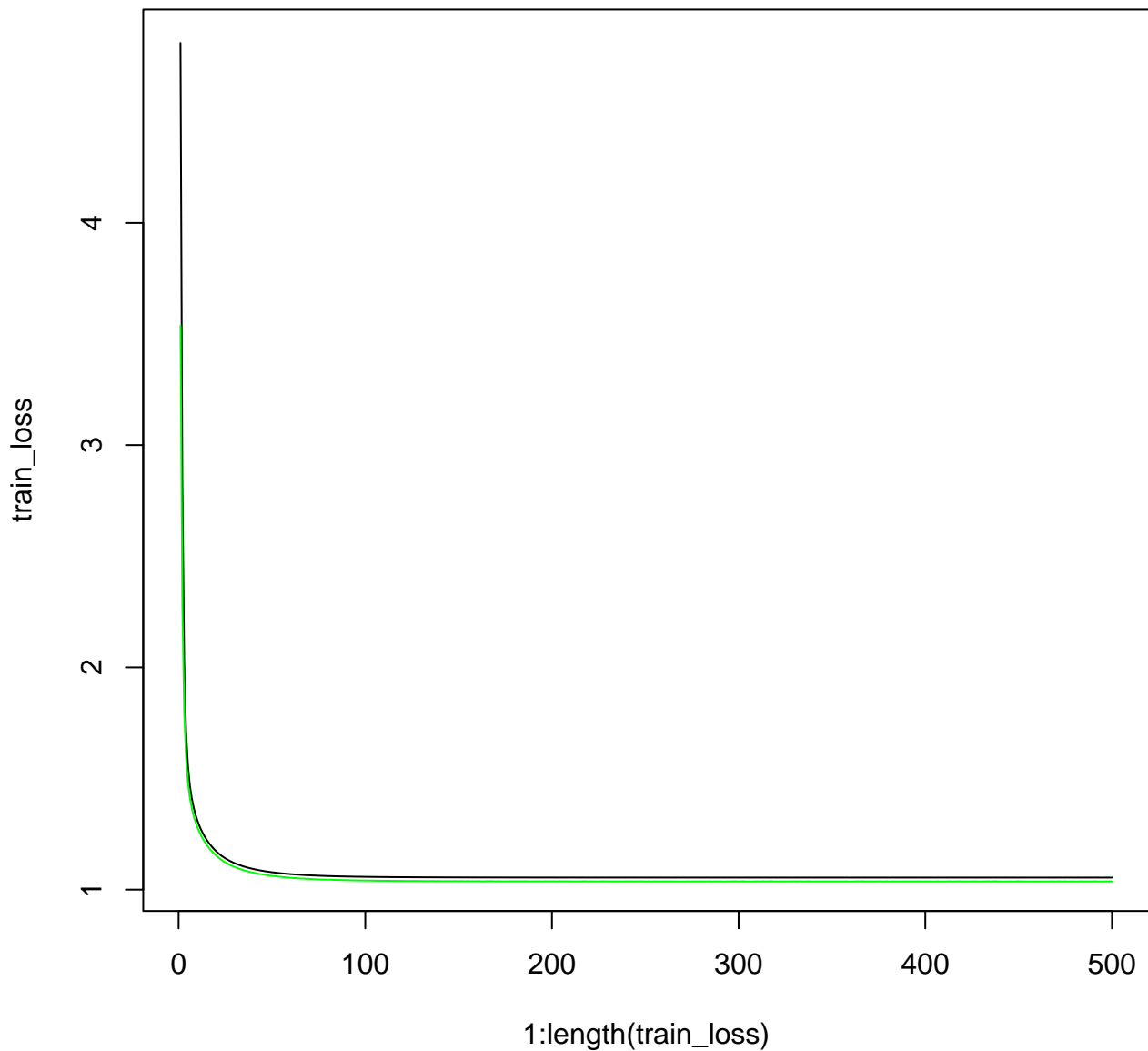
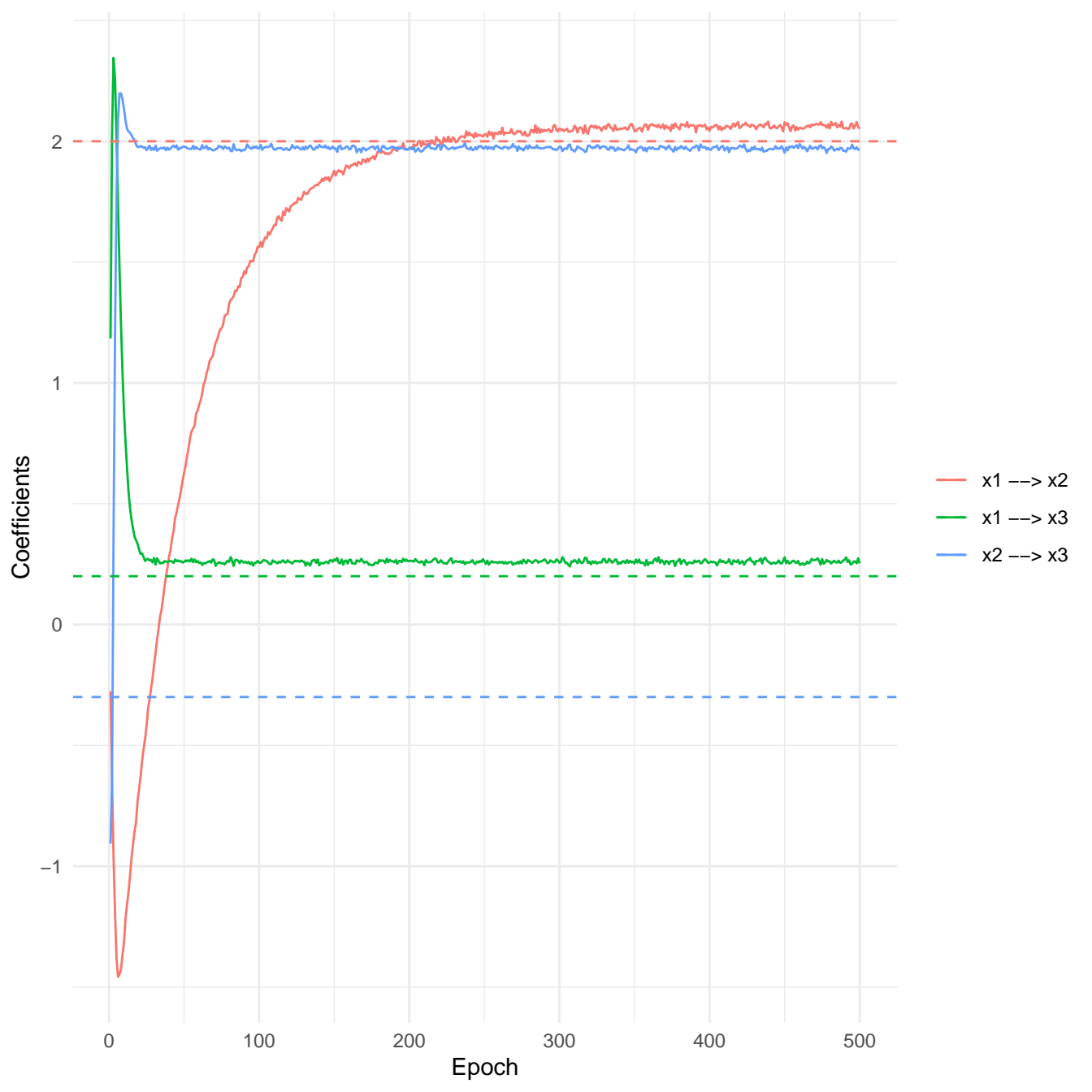


DGP influence of x2 on x3

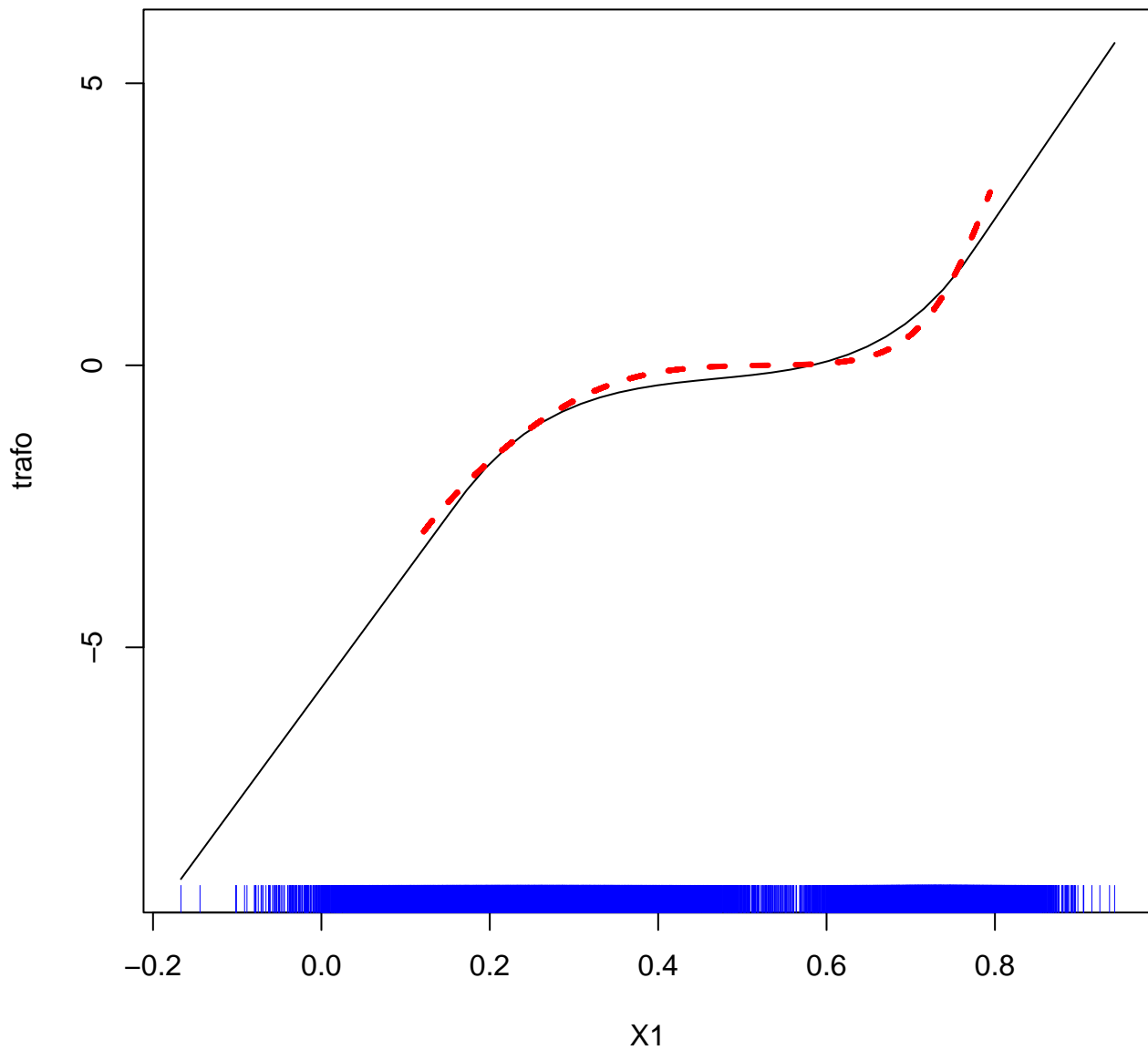


Normal Training (green is valid)

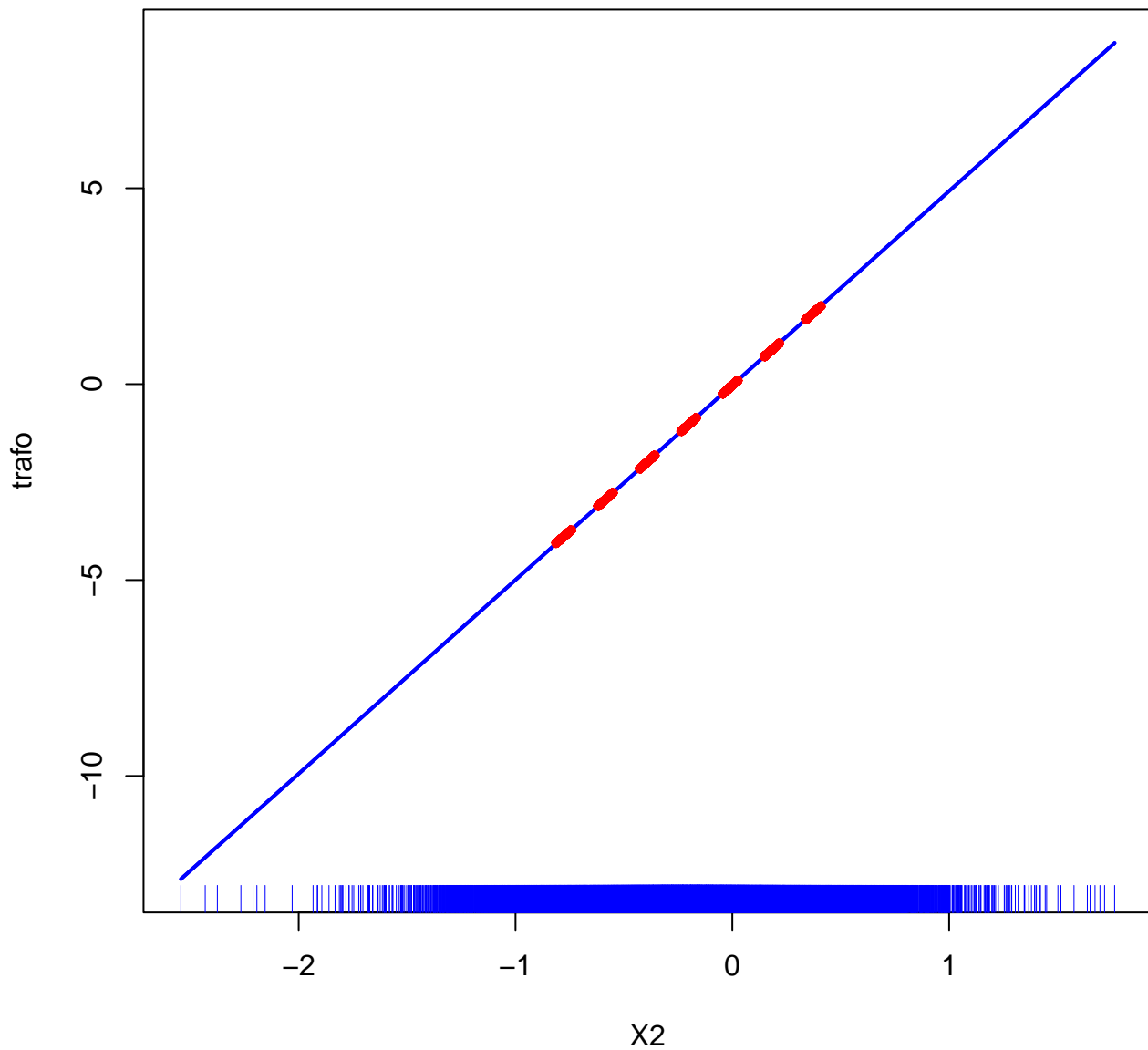




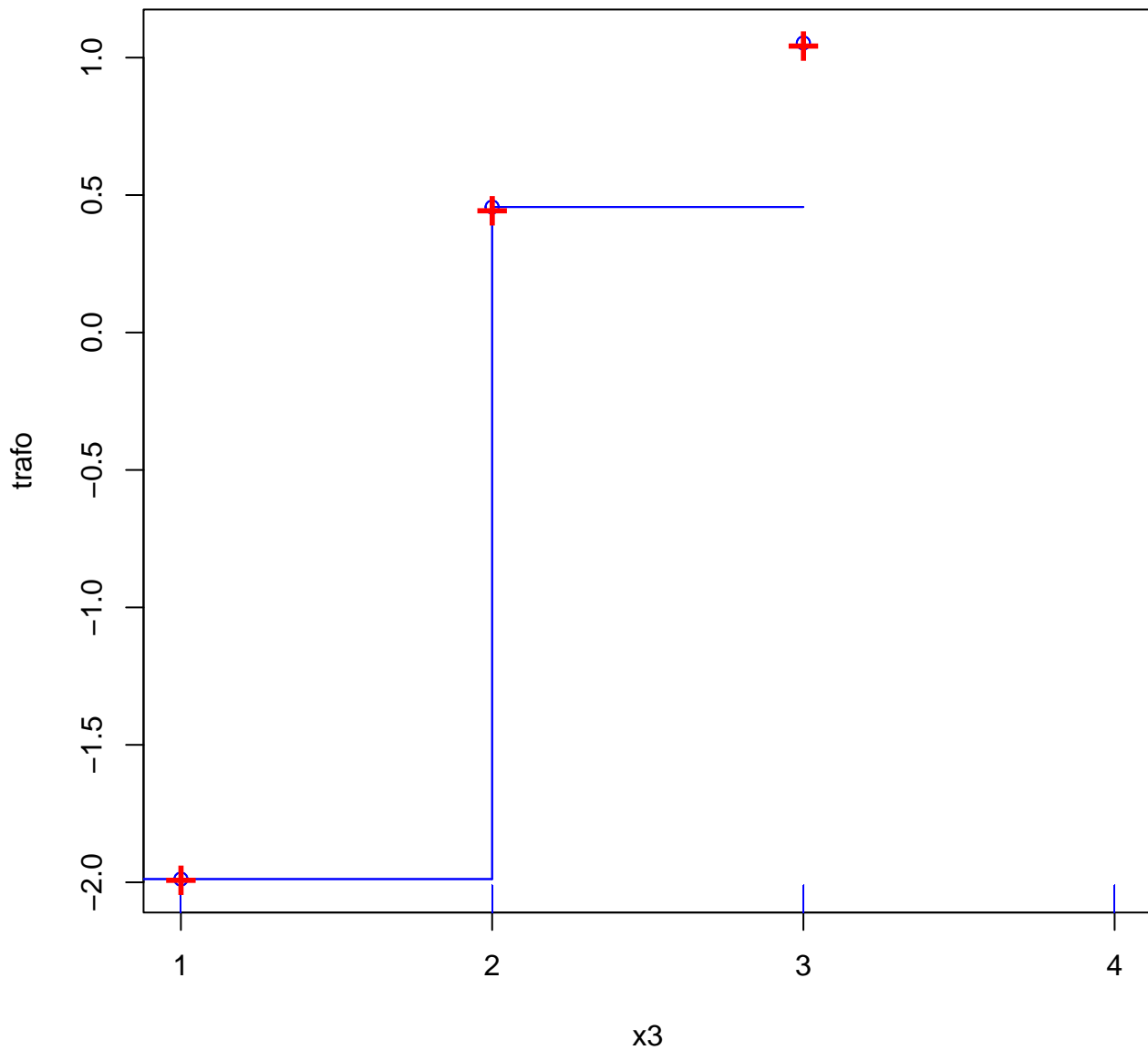
Black: COLR, Red: Our Model



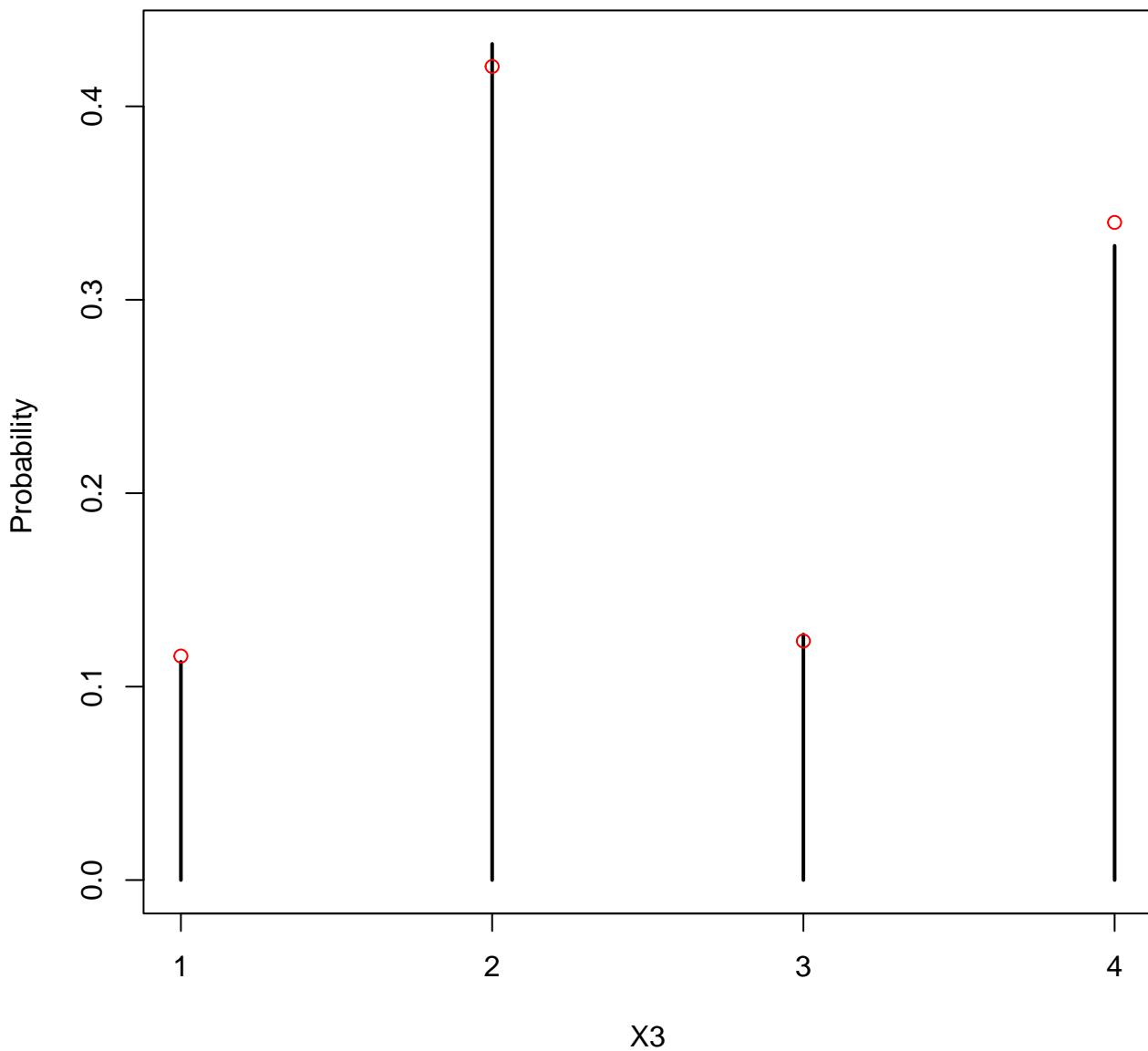
$h_I(X_2)$ Black: COLR, Red: Our Model



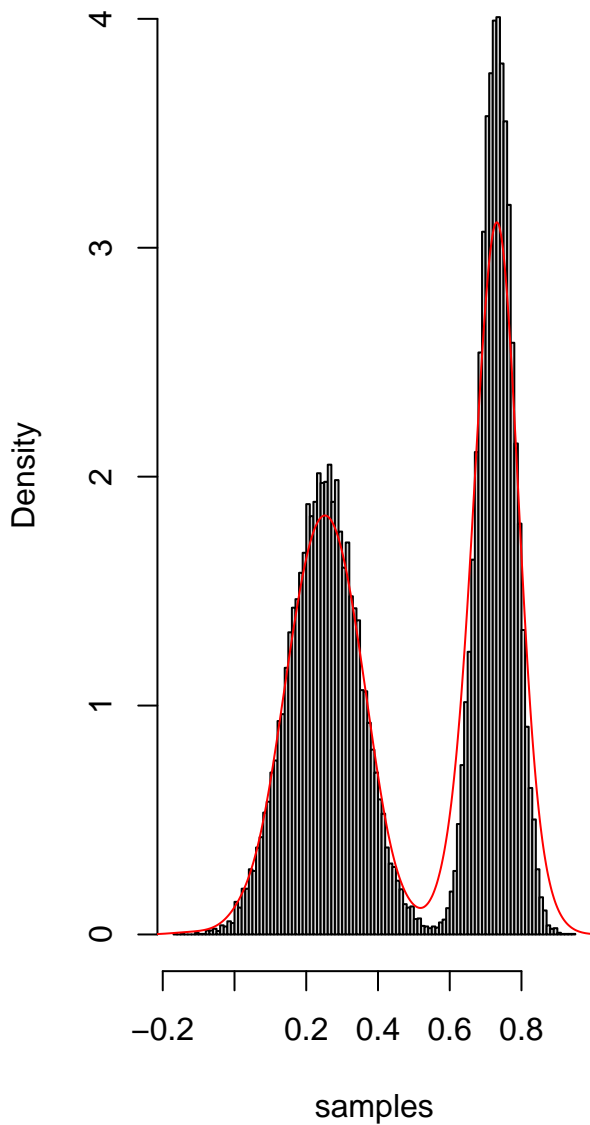
$h_l(X_3)$ Polr (blue) our Model (red)



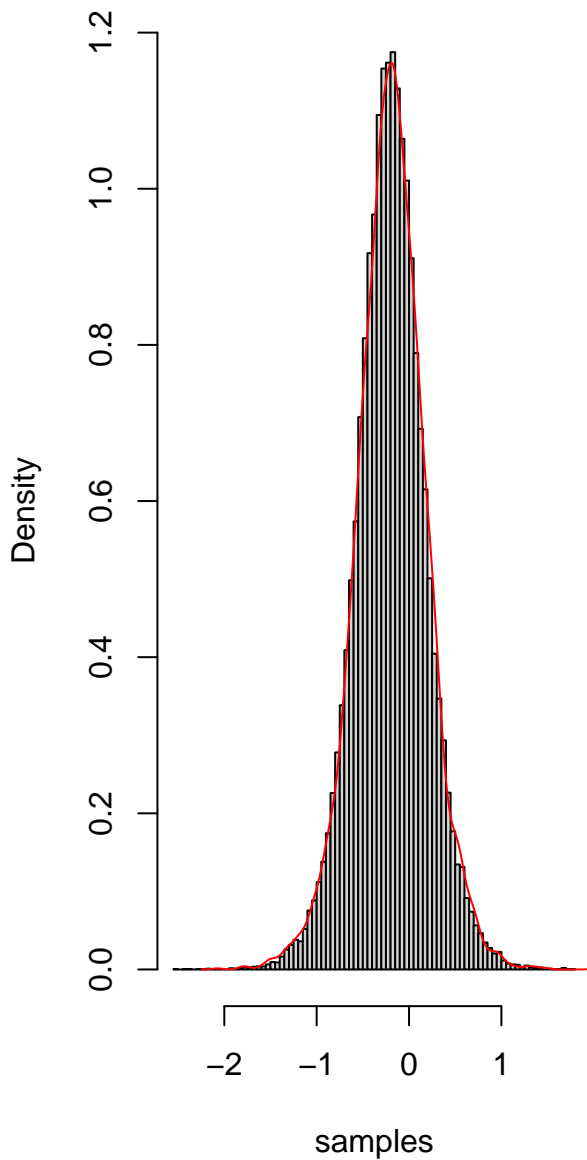
Black = Observations, Red samples from TRAM-DAG



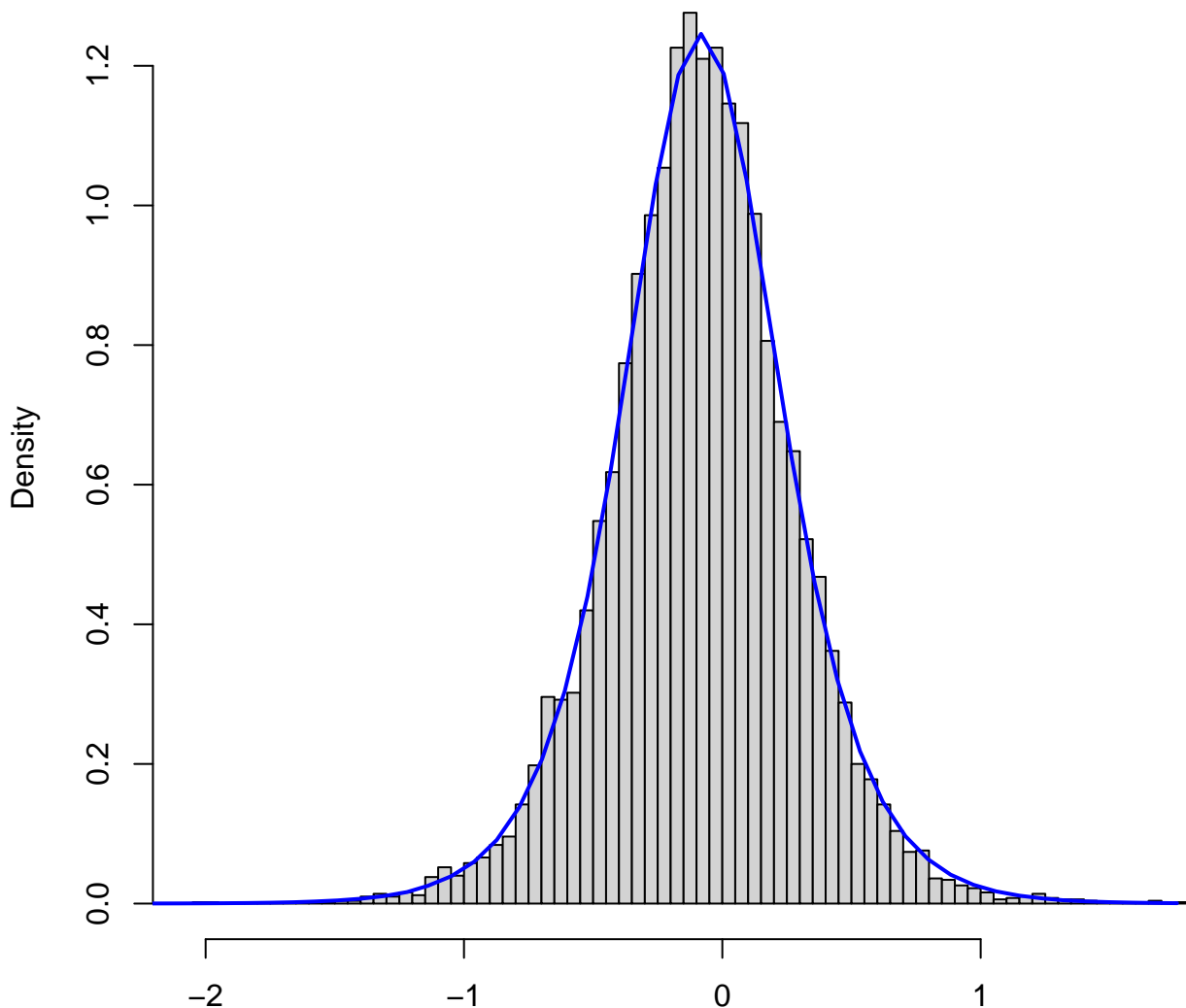
X1 red: ours, black: data



X2 red: ours, black: data

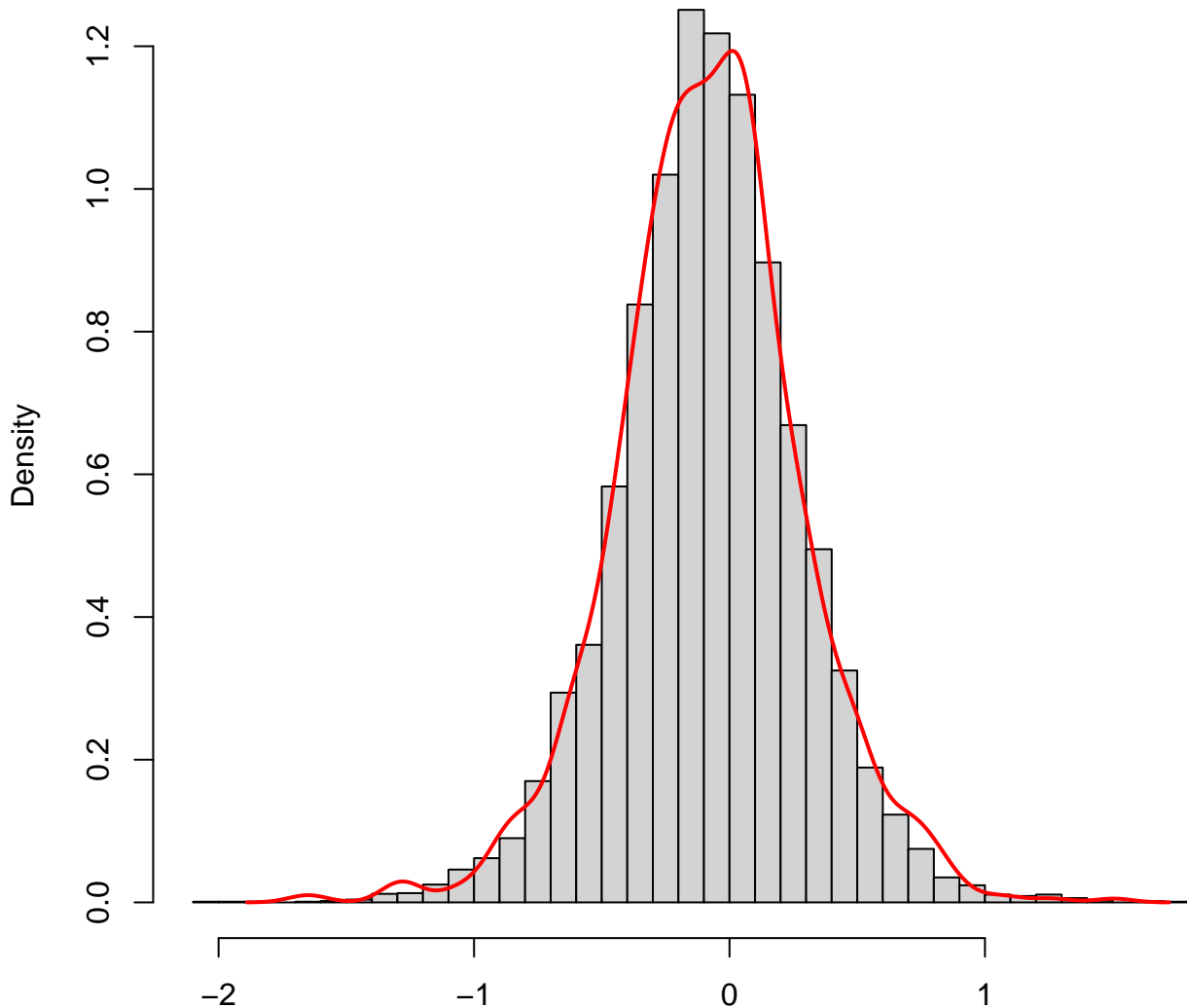


Do(X1=0.2) X2



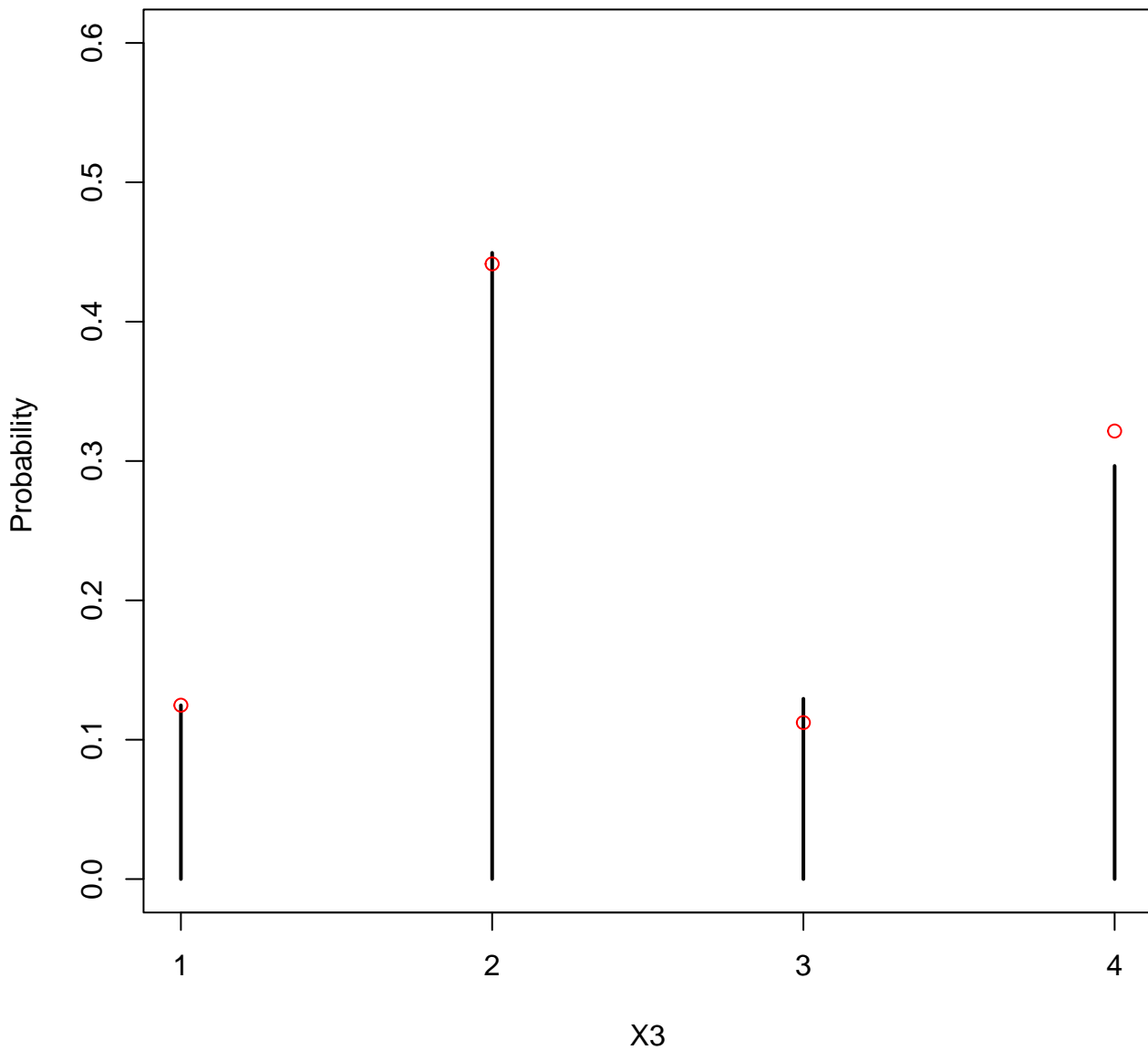
samples
Histogram from DGP with do. Blue: Colr

X2 | Do(X1=0.2)



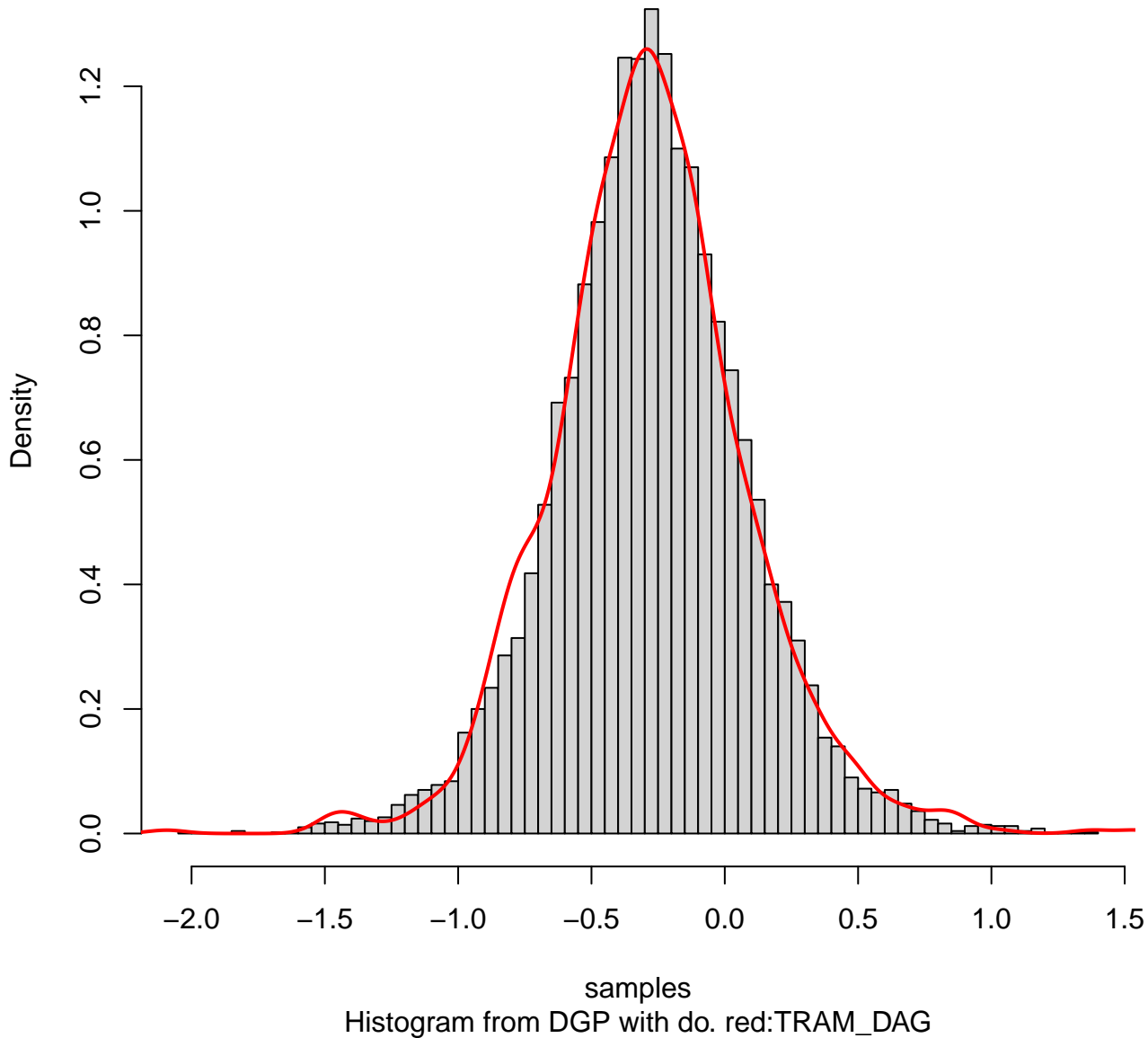
samples
Histogram from DGP with do. red:TRAM_DAG

X3 | do(X1=0.2)

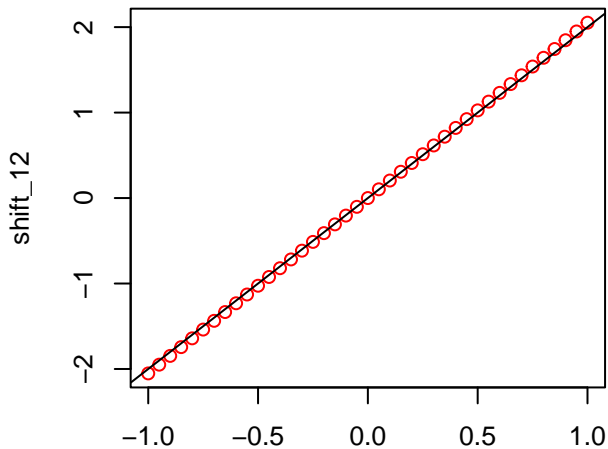


Black DGP with do. red:TRAM_DAG

X2 | Do(X1=0.7)

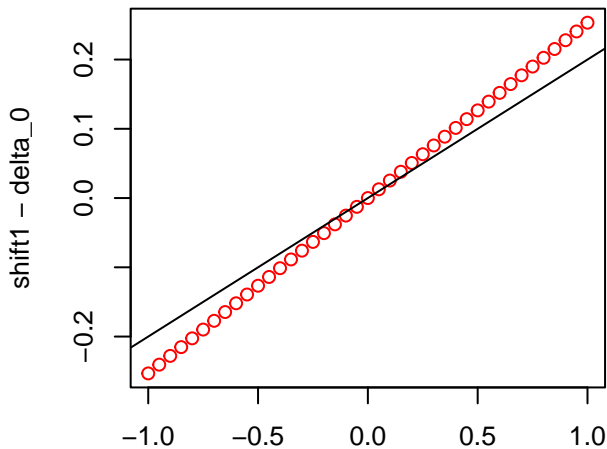


LS-Term (black DGP, red Ours)



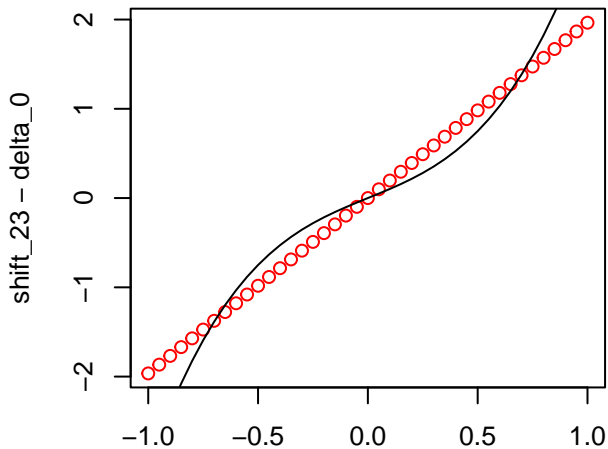
x_1
Effect of x_1 on x_2

LS-Term (black DGP, red Ours)



x_1
Effect of x_1 on x_3 , delta_0 0.98

LS-Term (black DGP, red Ours)



x_2
Effect of x_2 on x_3 , delta_0 0.13