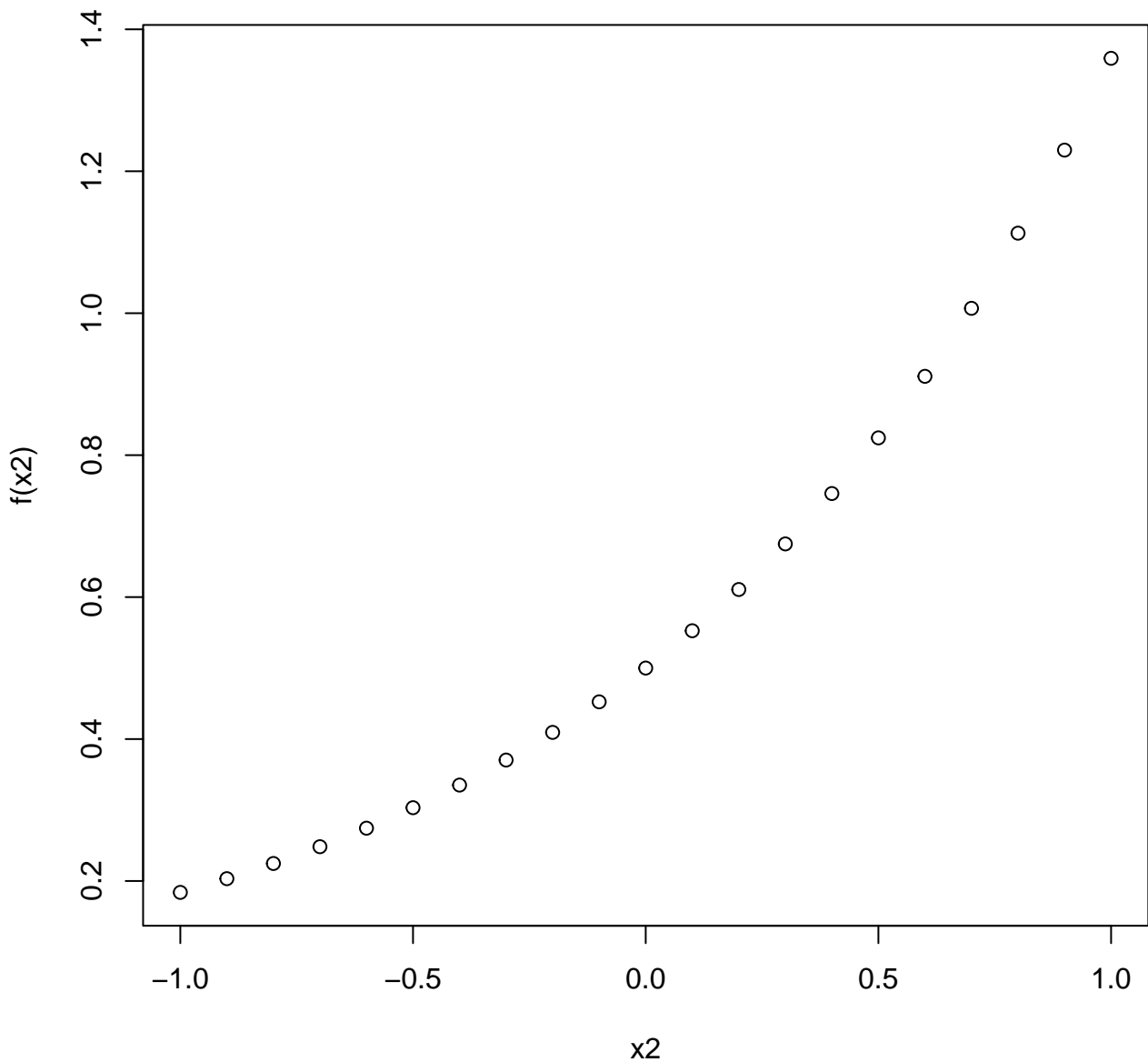
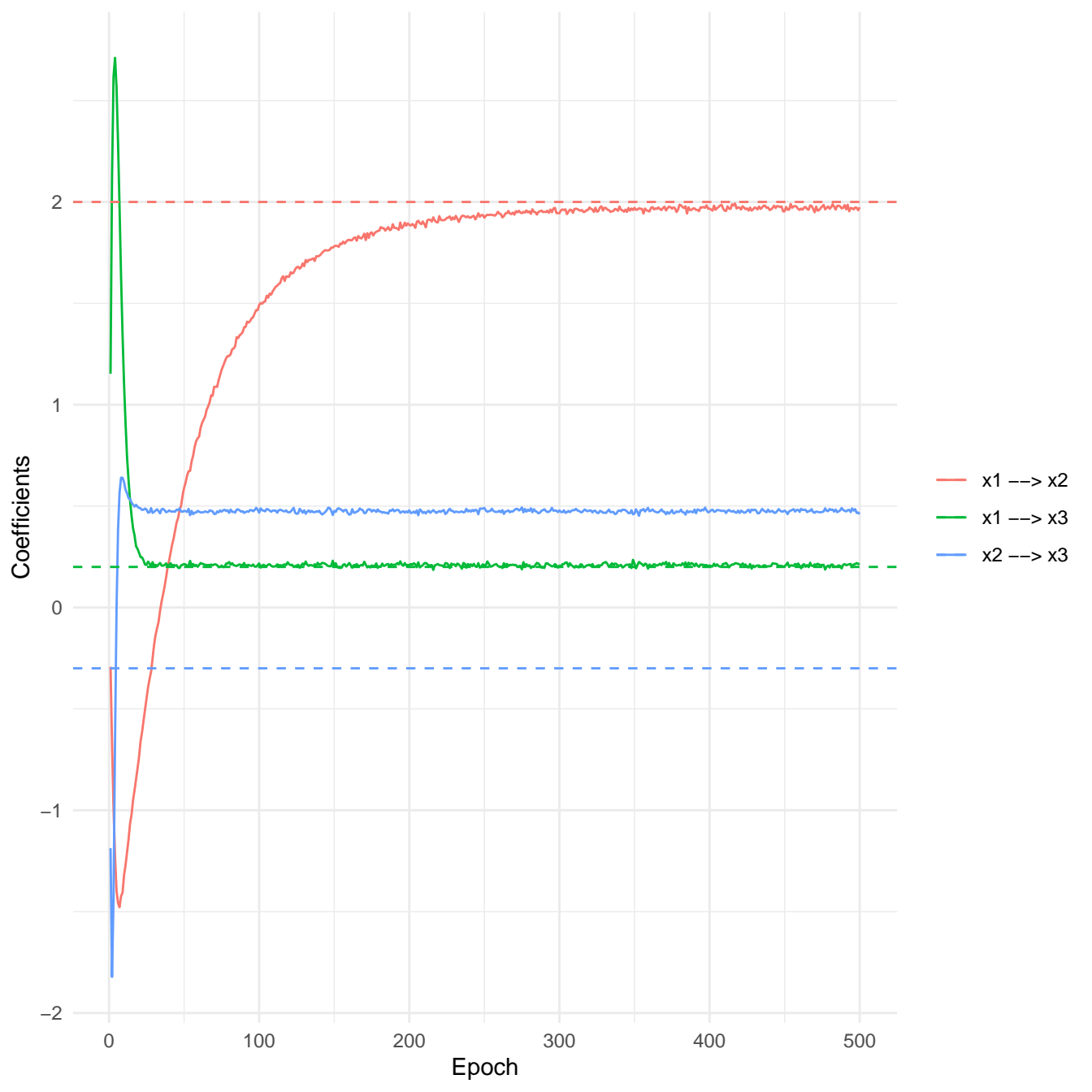
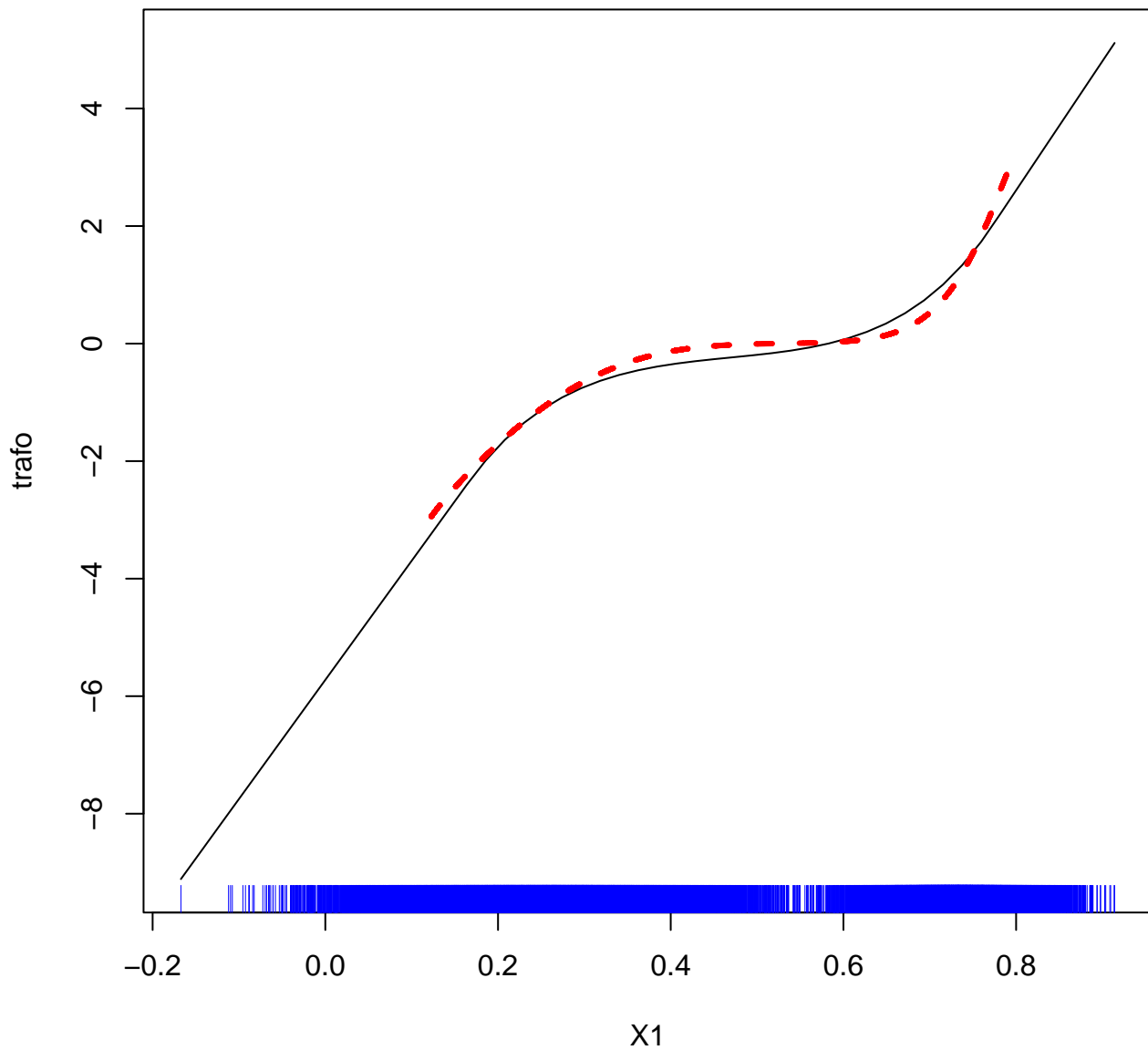


# DGP influence of x2 on x3

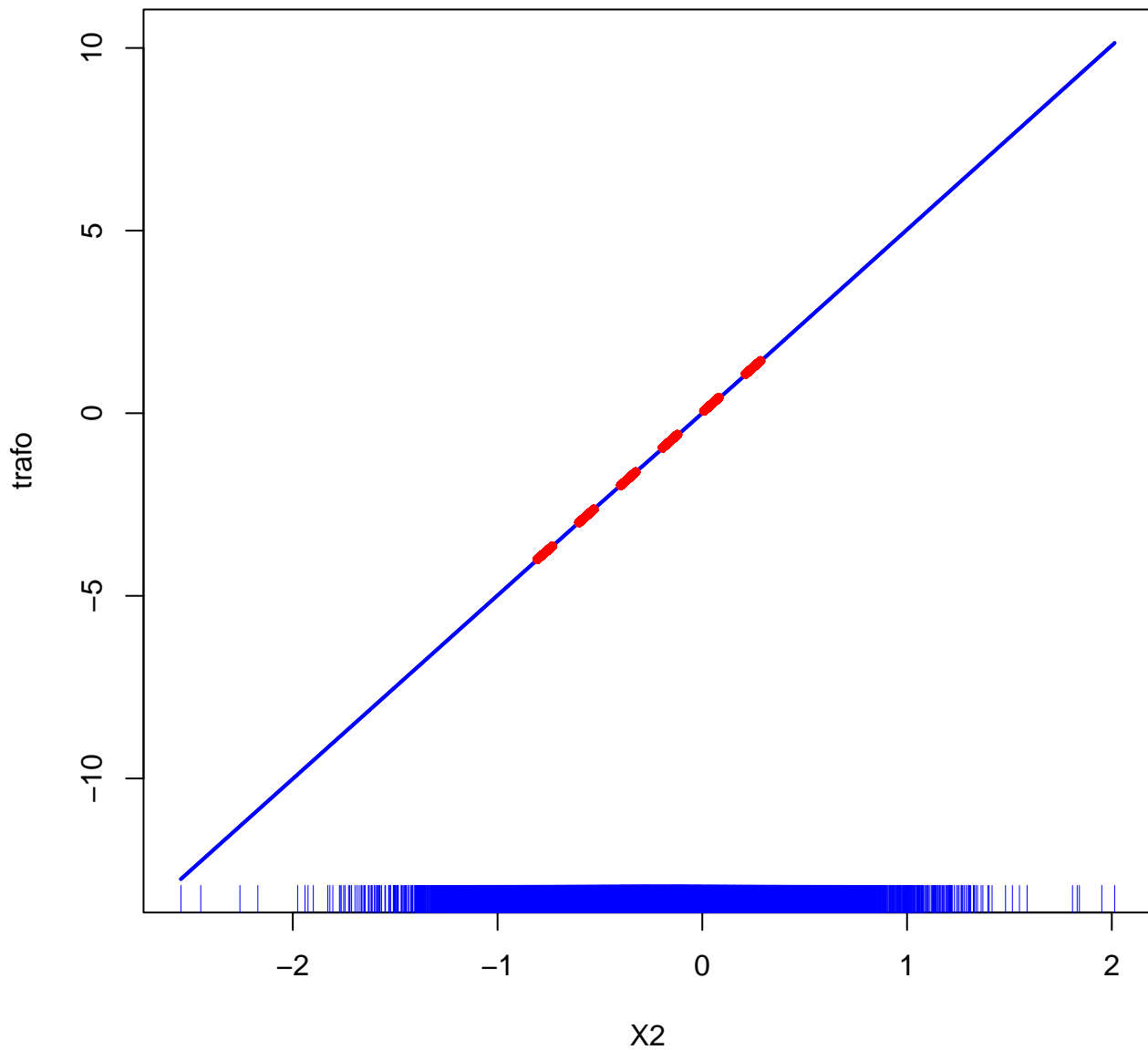




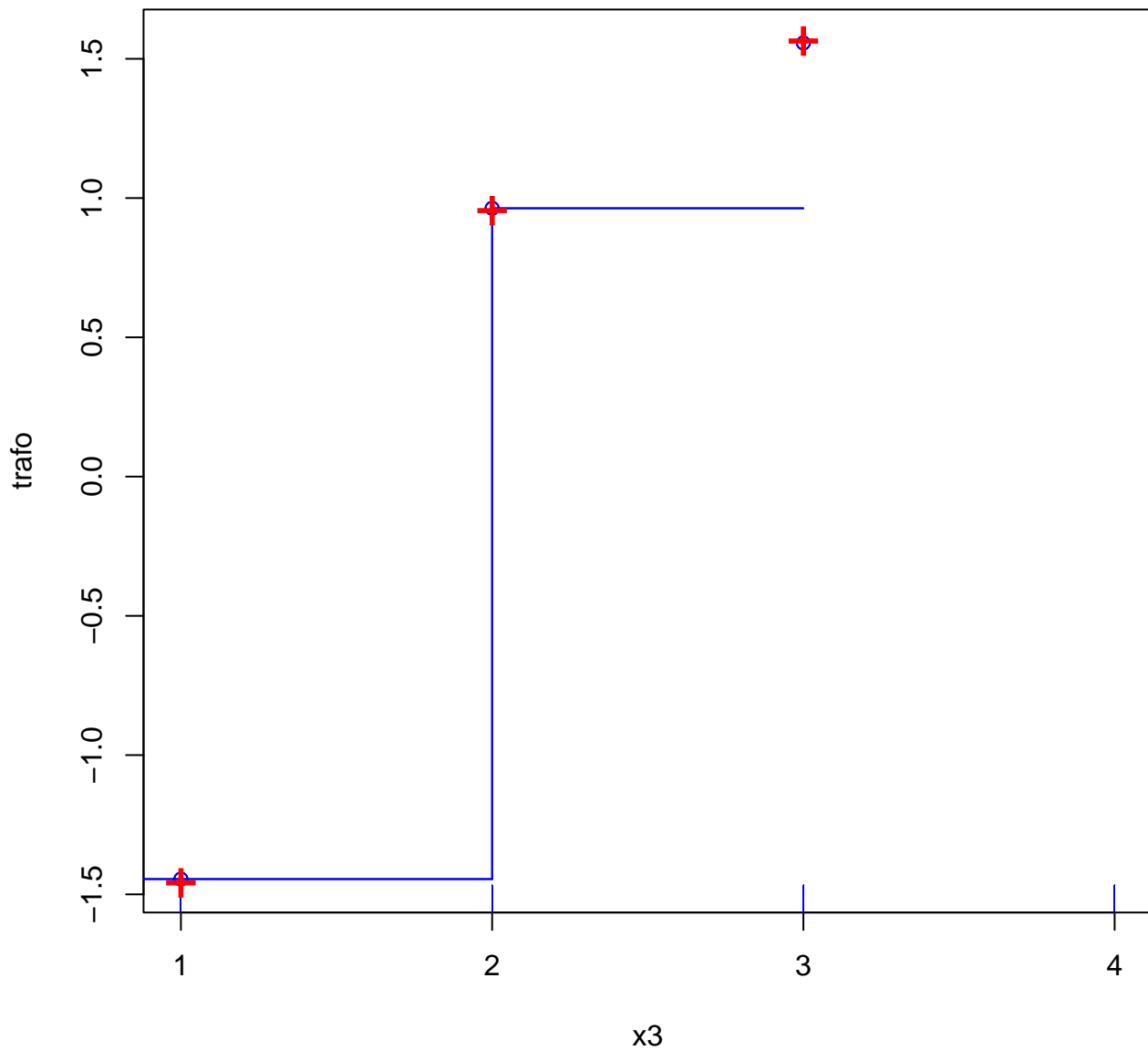
**Black: COLR, Red: Our Model**



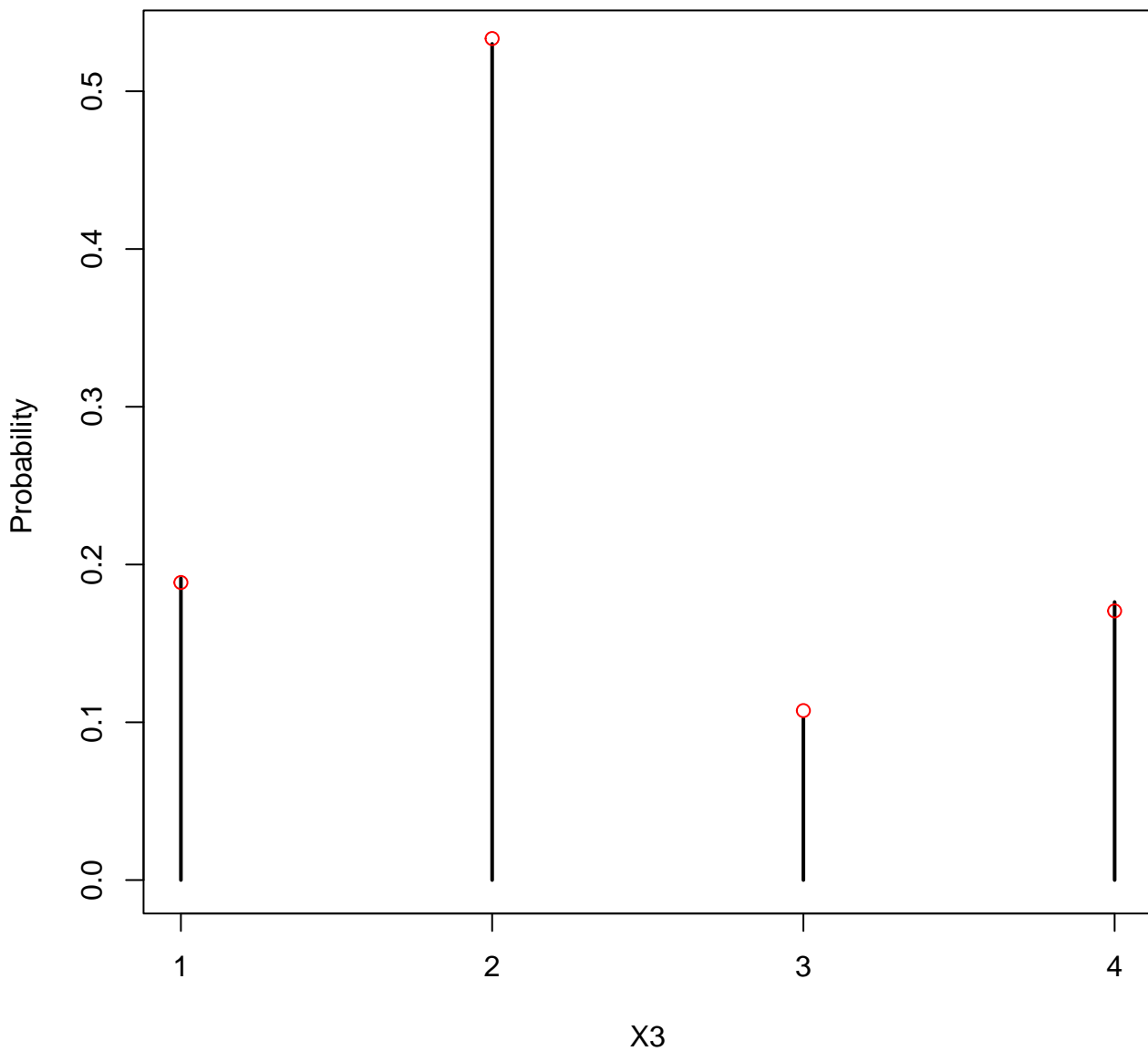
**$h_I(X_2)$  Black: COLR, Red: Our Model**



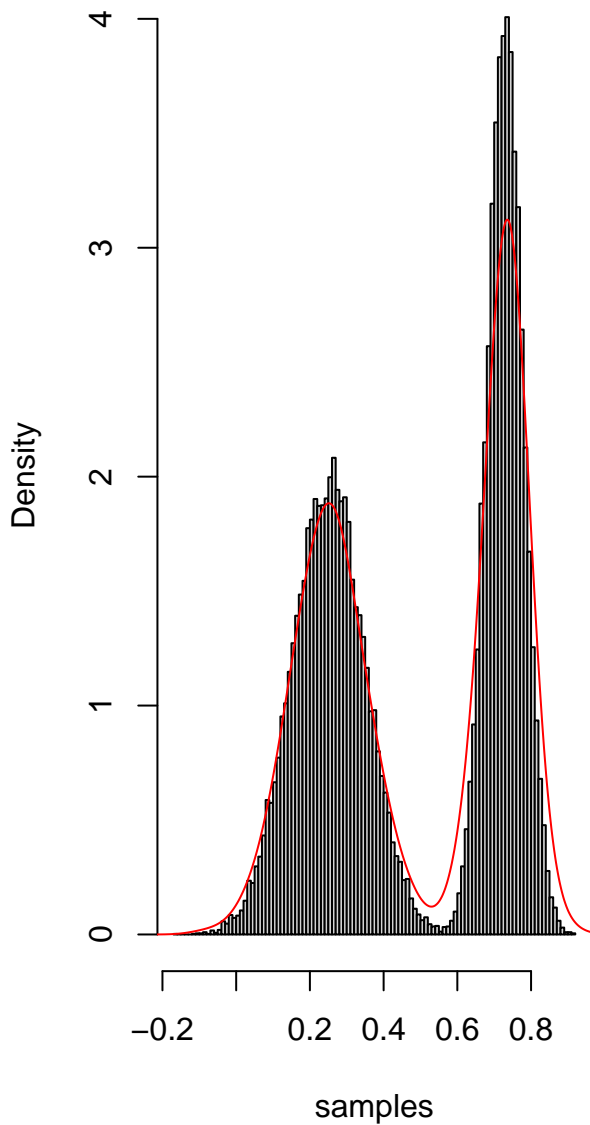
$h_l(X_3)$  Polr (blue) our Model (red)



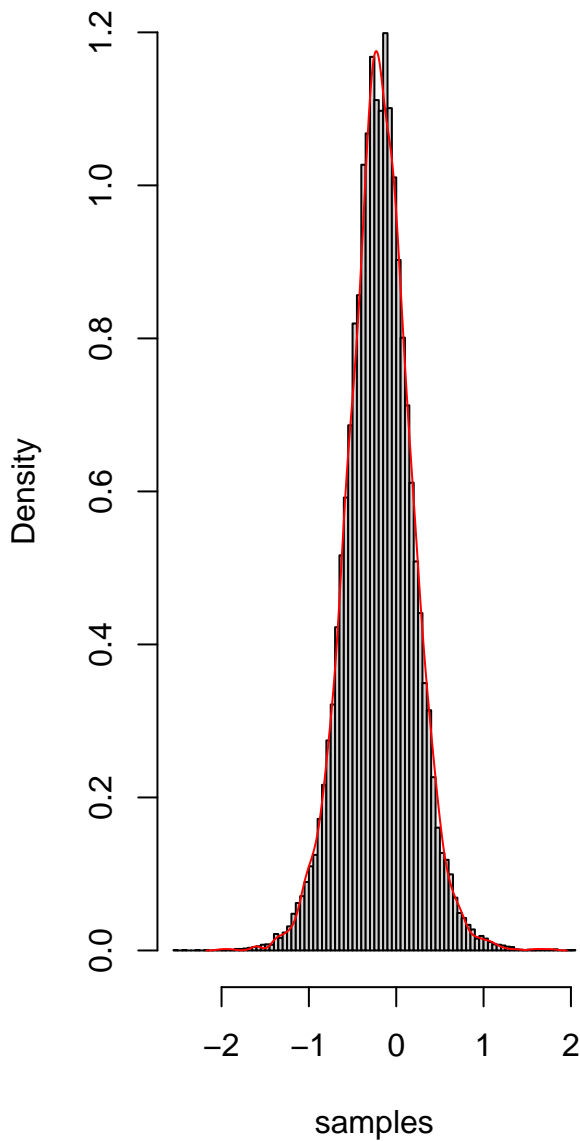
**Black = Observations, Red samples from TRAM-DAG**



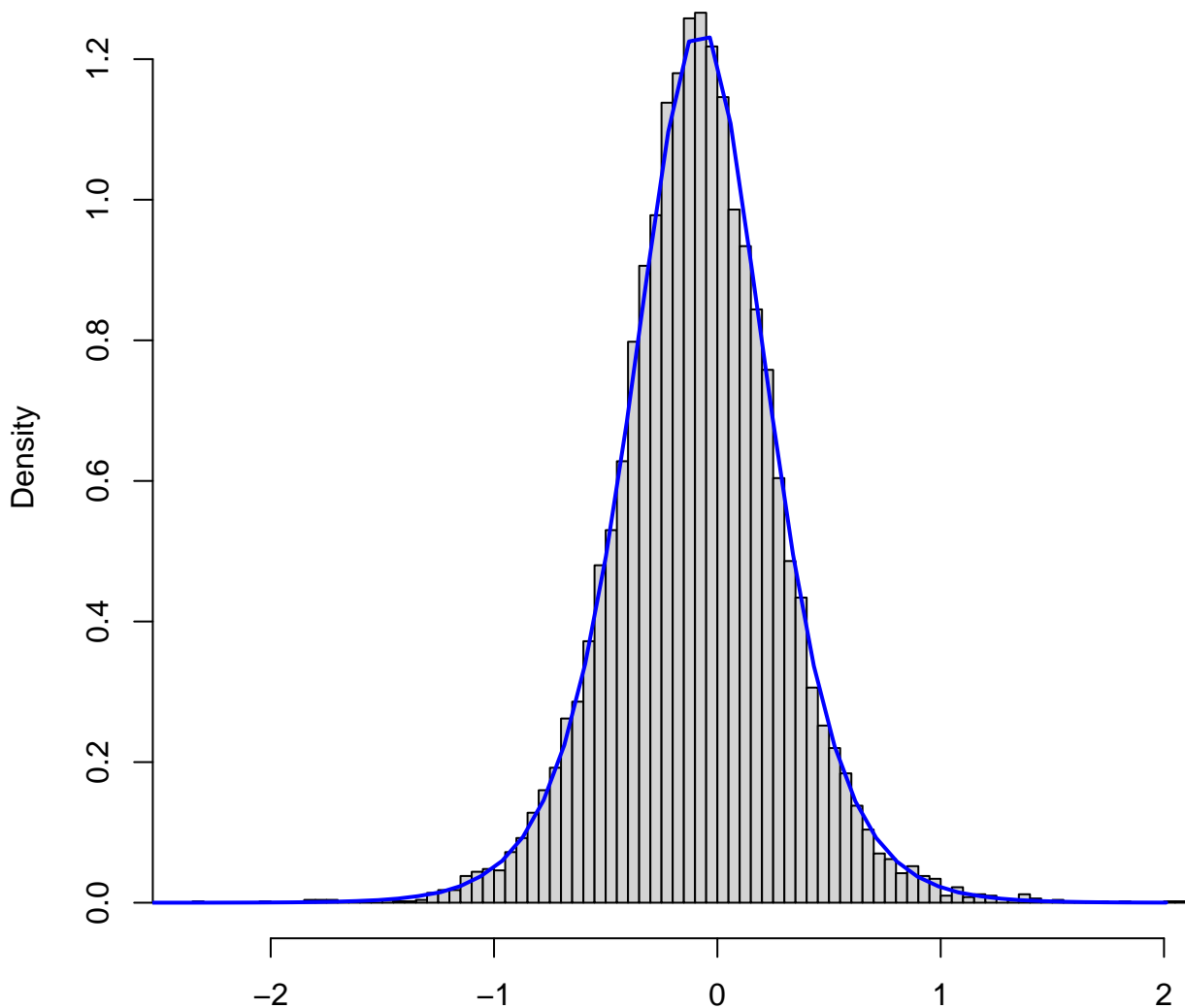
**X1 red: ours, black: data**



**X2 red: ours, black: data**



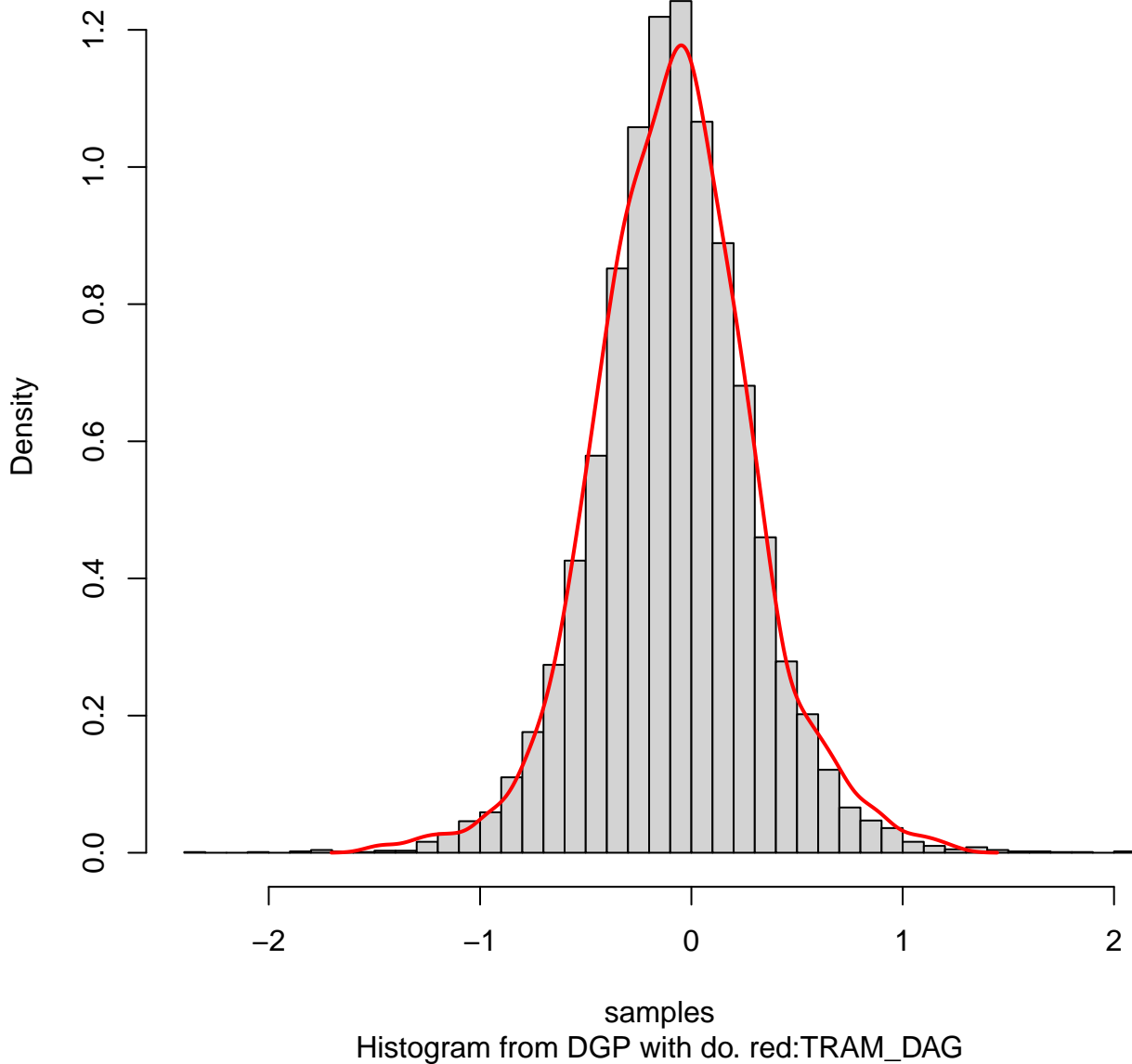
**Do( $X_1=0.2$ )  $X_2$**



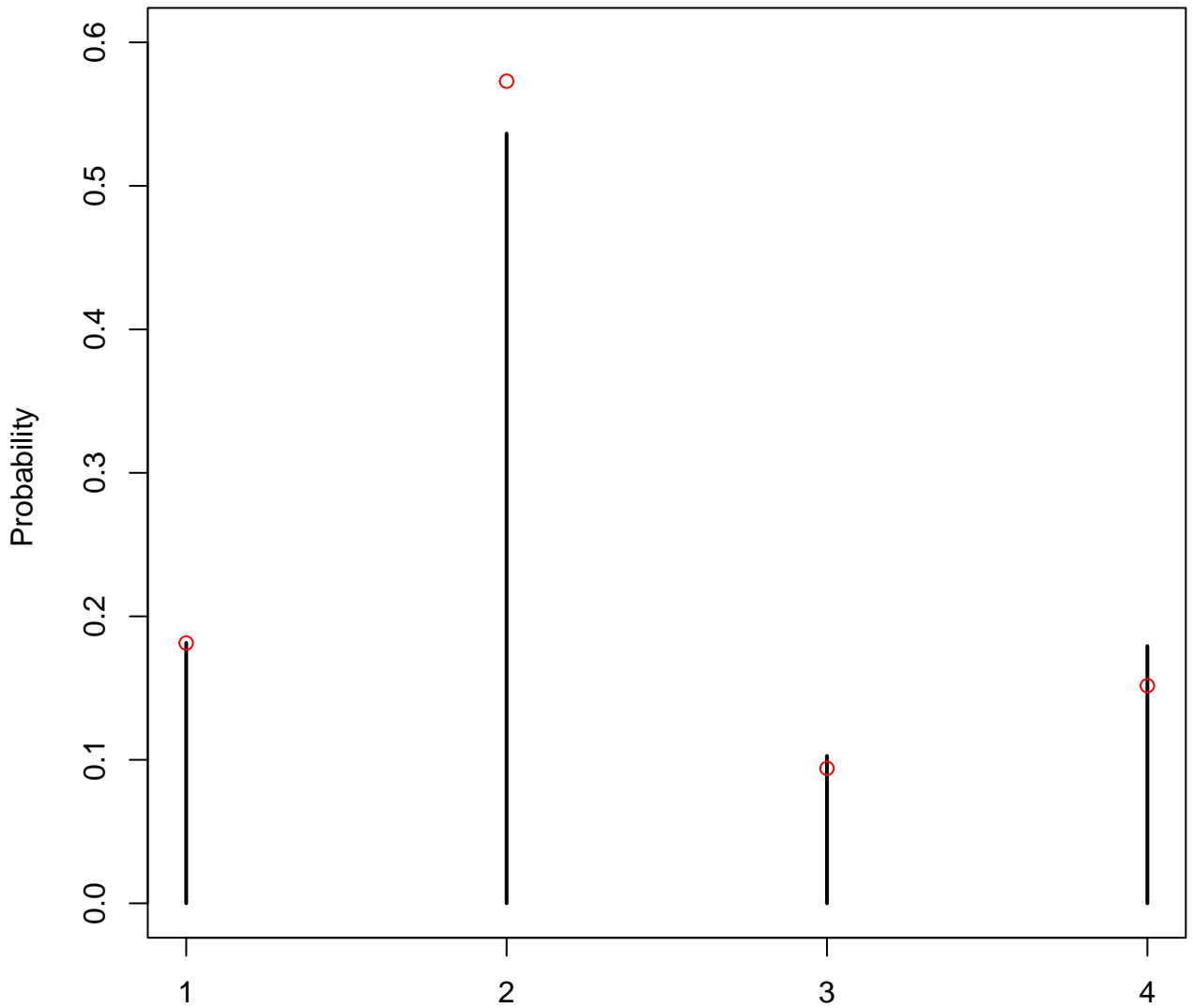
samples  
Histogram from DGP with do. Blue: Colr



**X2 | Do(X1=0.2)**

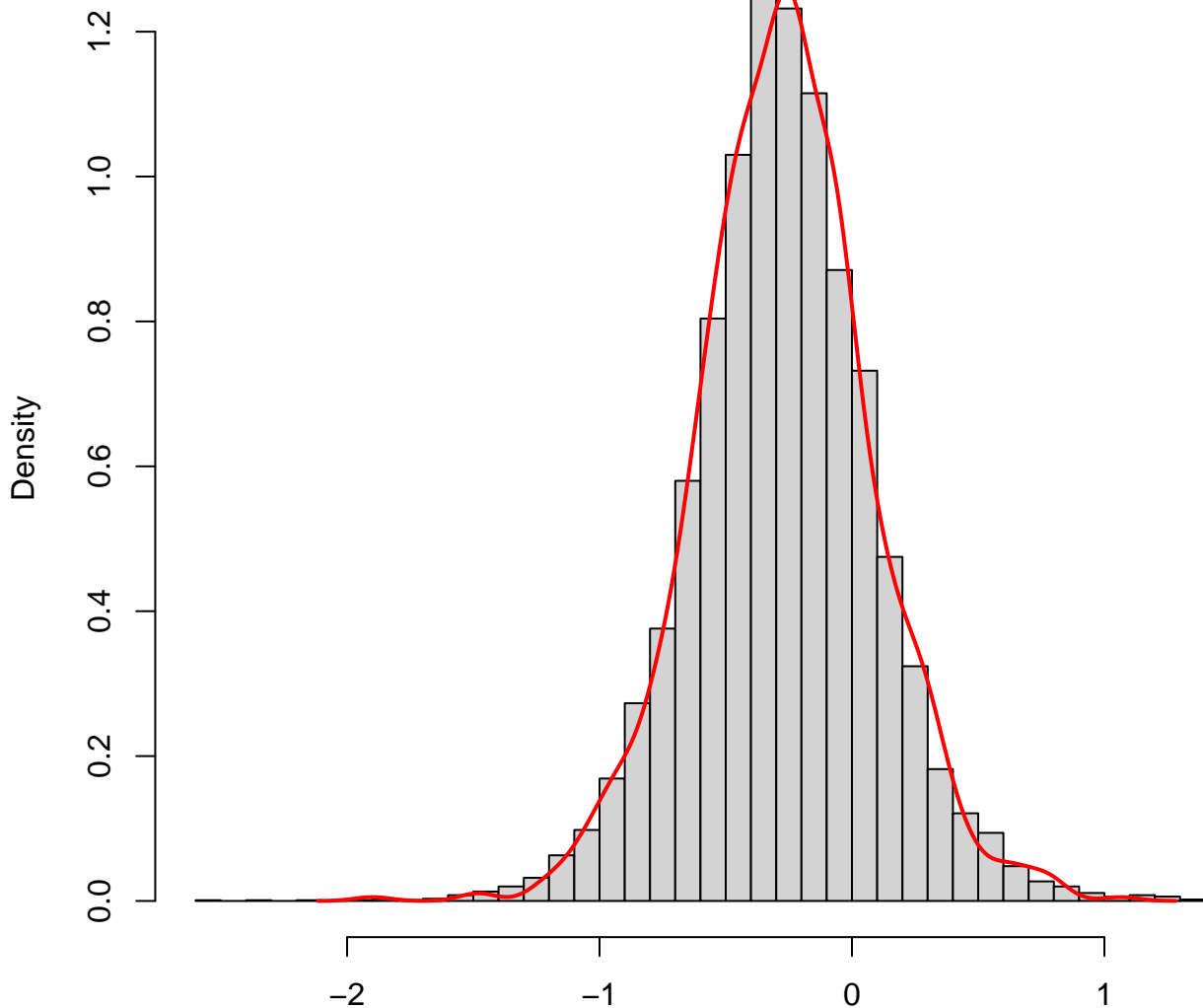


**X3 | do(X1=0.2)**



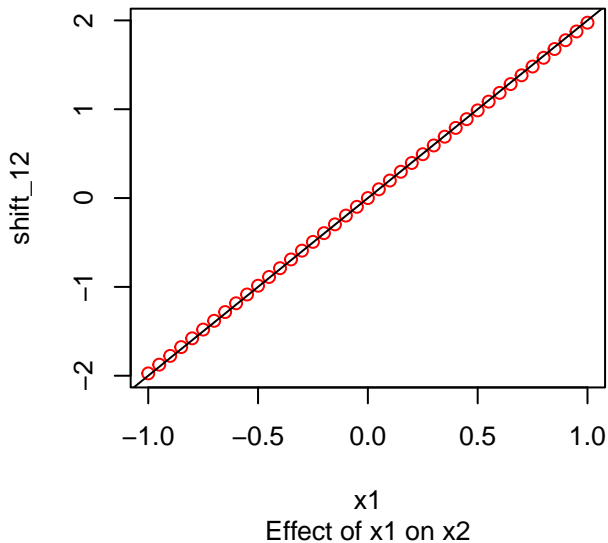
Black DGP with do. red:TRAM\_DAG

**X2 | Do(X1=0.7)**

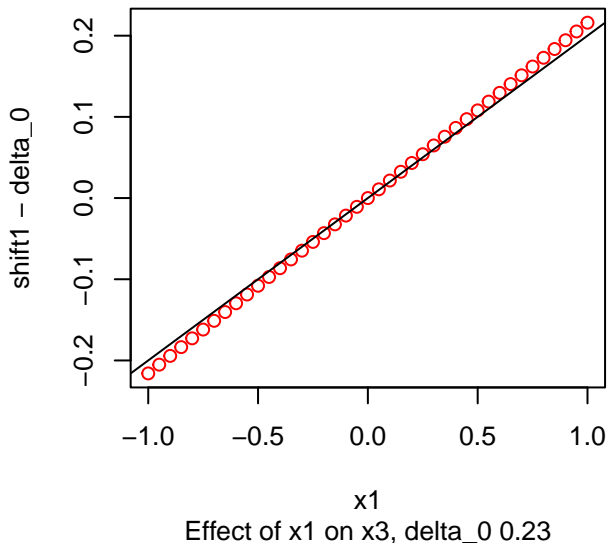


samples  
Histogram from DGP with do. red:TRAM\_DAG

**LS-Term (black DGP, red Ours)**



**LS-Term (black DGP, red Ours)**



**LS-Term (black DGP, red Ours)**

