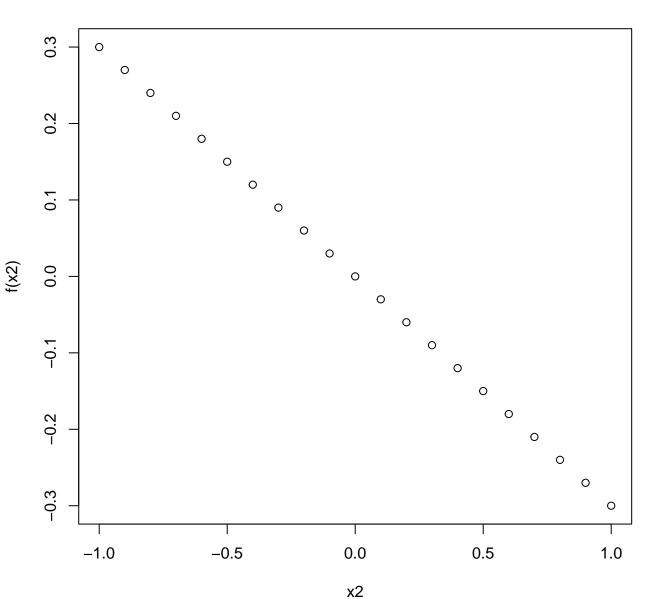
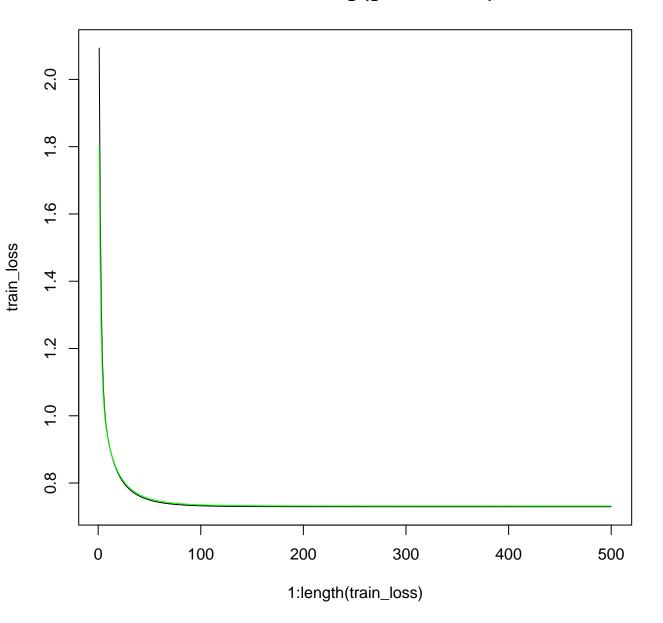
DGP influence of x2 on x3

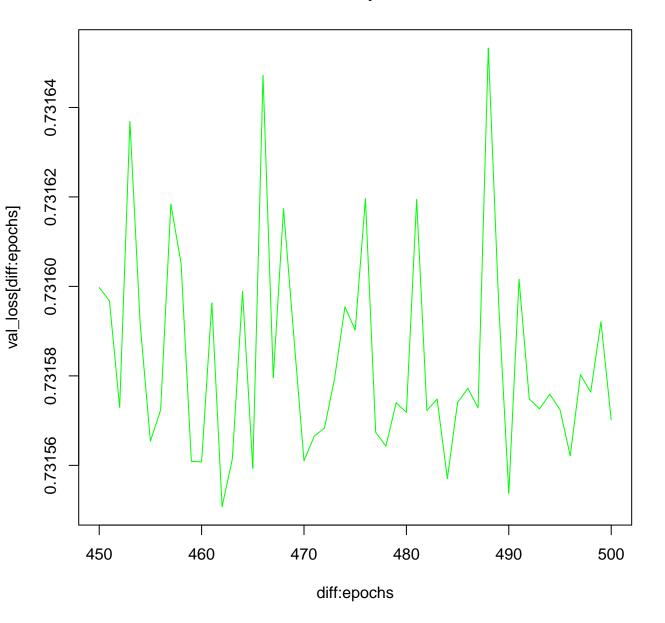


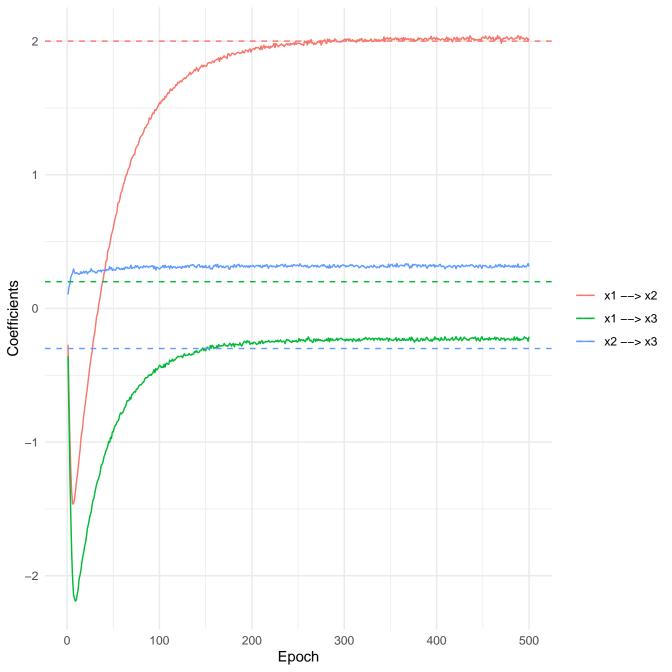
summerof24/runs/triangle_structured_continous/run1/triangle_mixed_DPGLinear_ModelLS

Normal Training (green is valid)

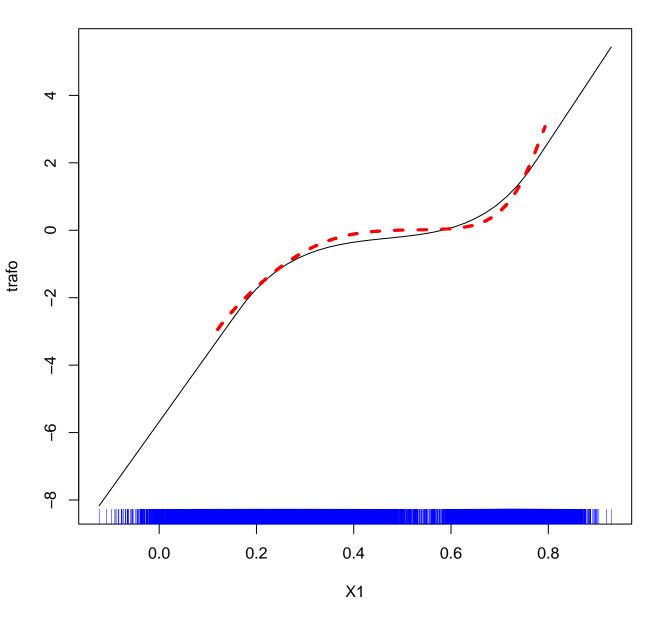


Last 50 epochs

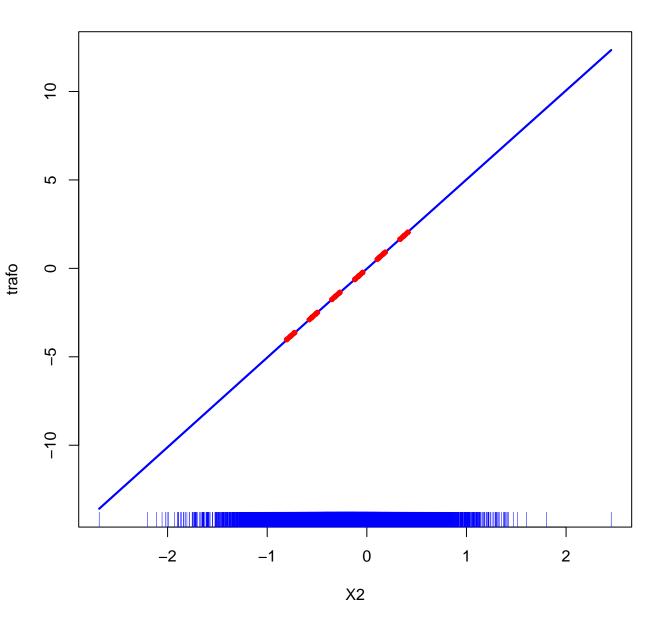


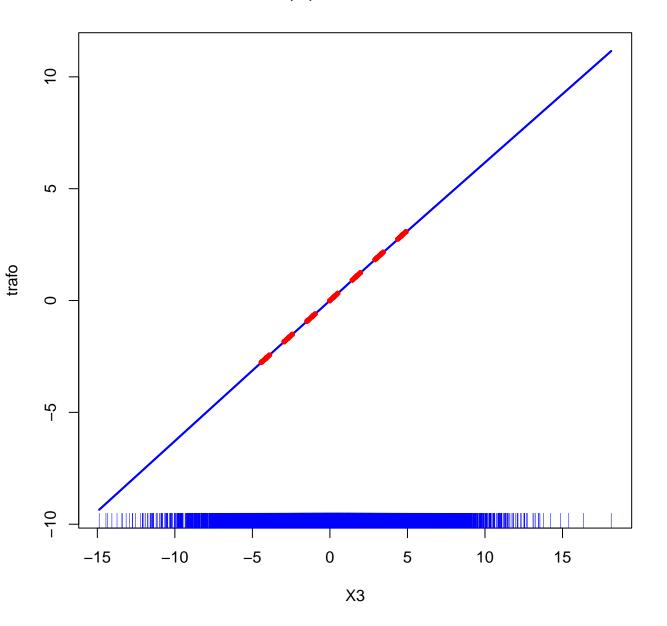


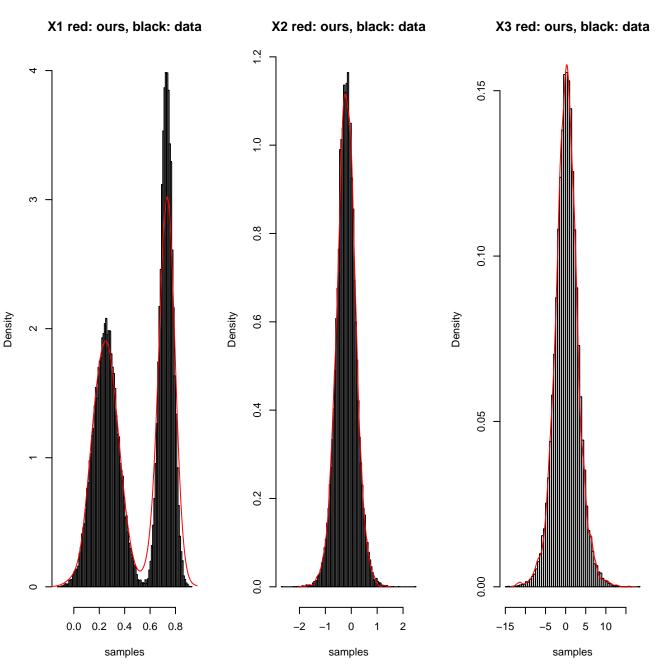
Black: COLR, Red: Our Model



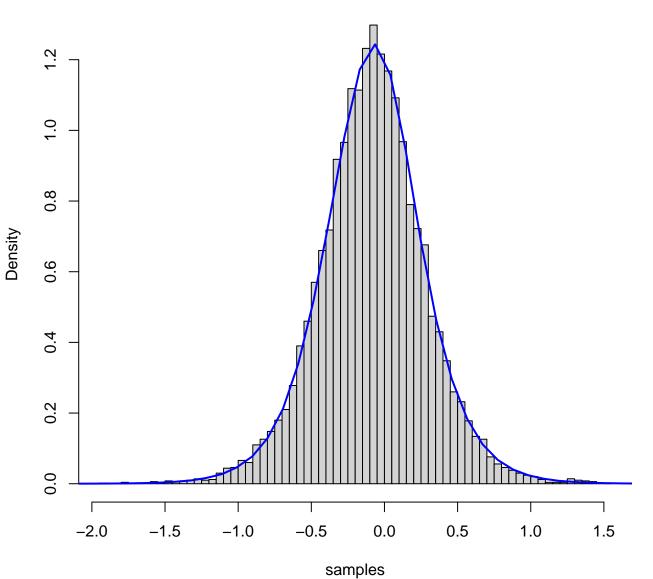
h_I(X2) Black: COLR, Red: Our Model





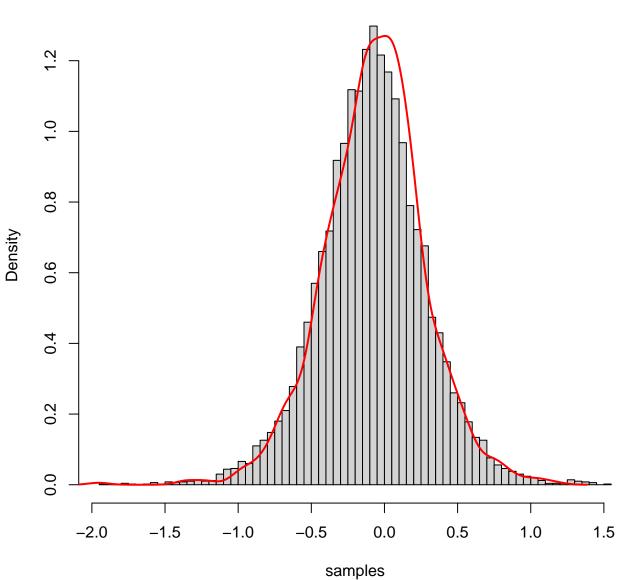


Do(X1=0.2) X2



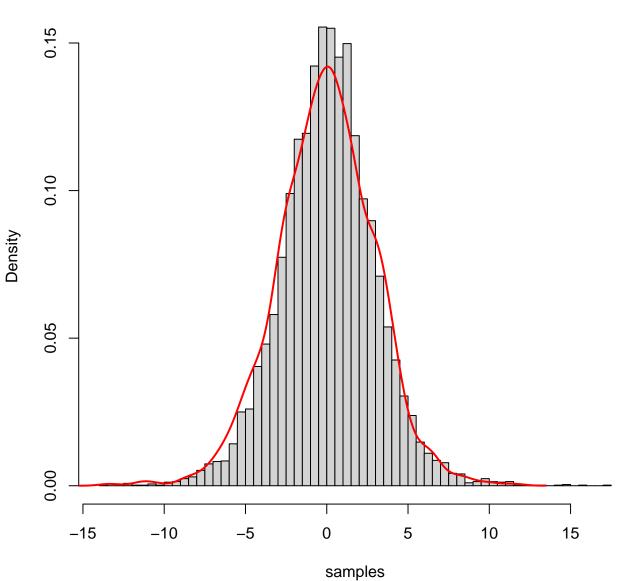
Histogram from DGP with do. Blue: Colr

X2 | Do(X1=0.2)



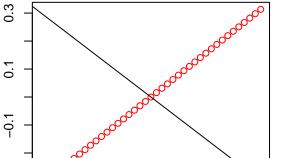
Histogram from DGP with do. red:TRAM_DAG

X3 | Do(X1=0.2)



Histogram from DGP with do. red:TRAM_DAG

LS-Term (black DGP, red Ours) LS-Term (black DGP, red Ours) $^{\circ}$ 0.2 0.1 shift1 - delta_0 0.0 0 -0.1 7 -0.2 7 -1.0 -0.5 0.5 1.0 -1.0-0.5 0.0 0.0 0.5 1.0 **x1 x1** Effect of x1 on x3, delta_0 0.16 Effect of x1 on x2



0.0

x2 Effect of x2 on x3, delta_0 -0.11

0.5

1.0

shift_23 - delta_0

-0.3

-1.0

-0.5

LS-Term (black DGP, red Ours)