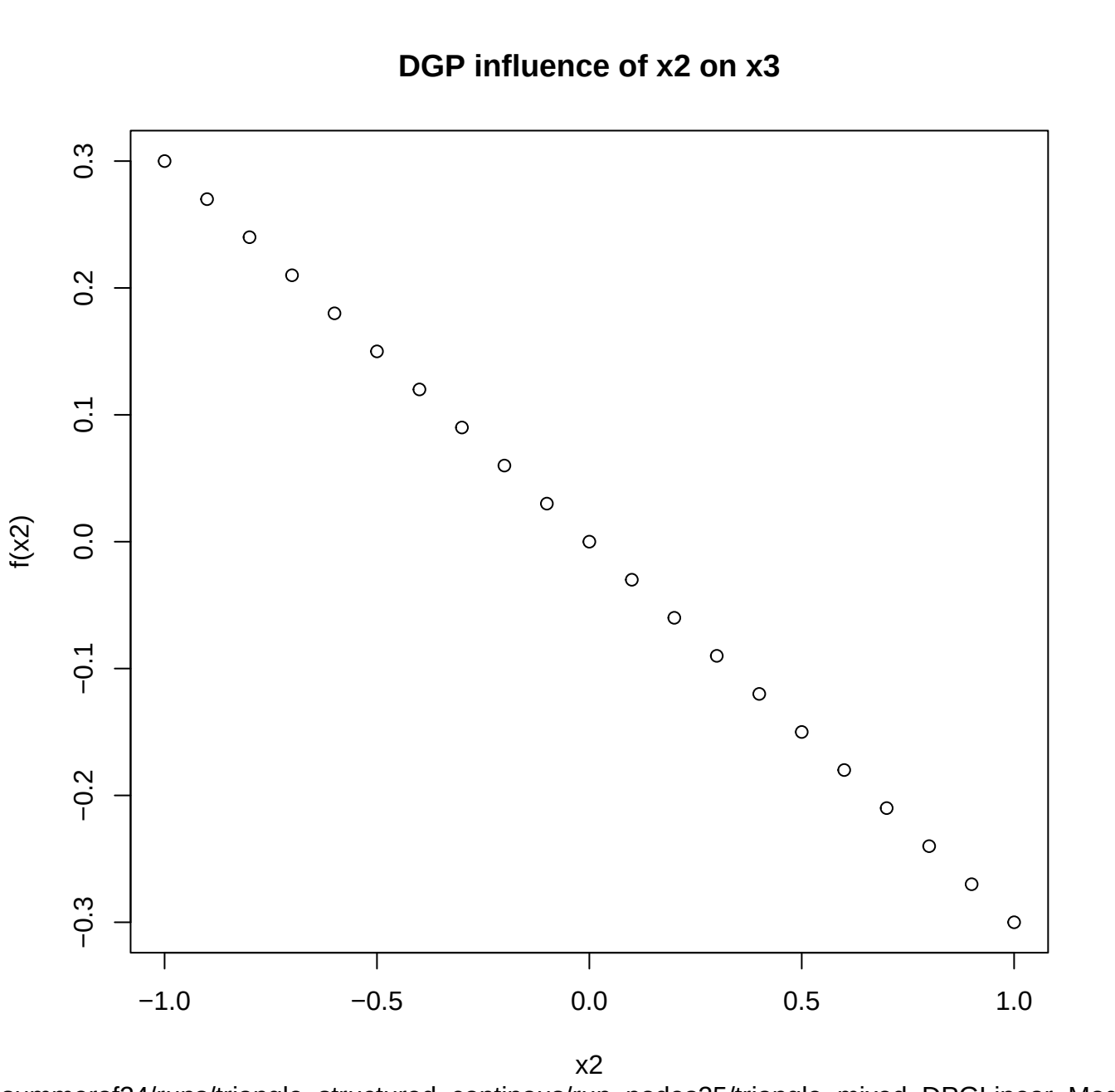
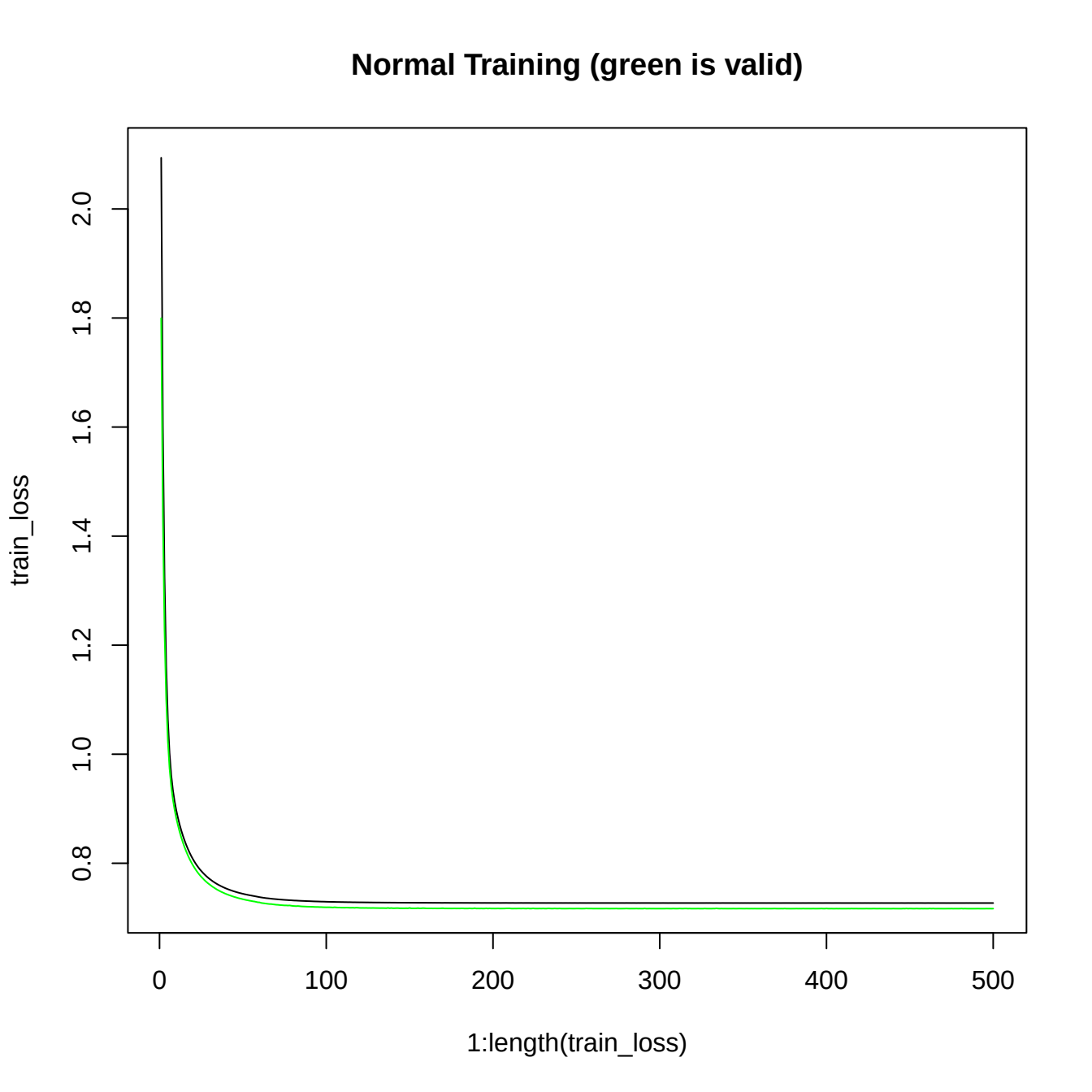
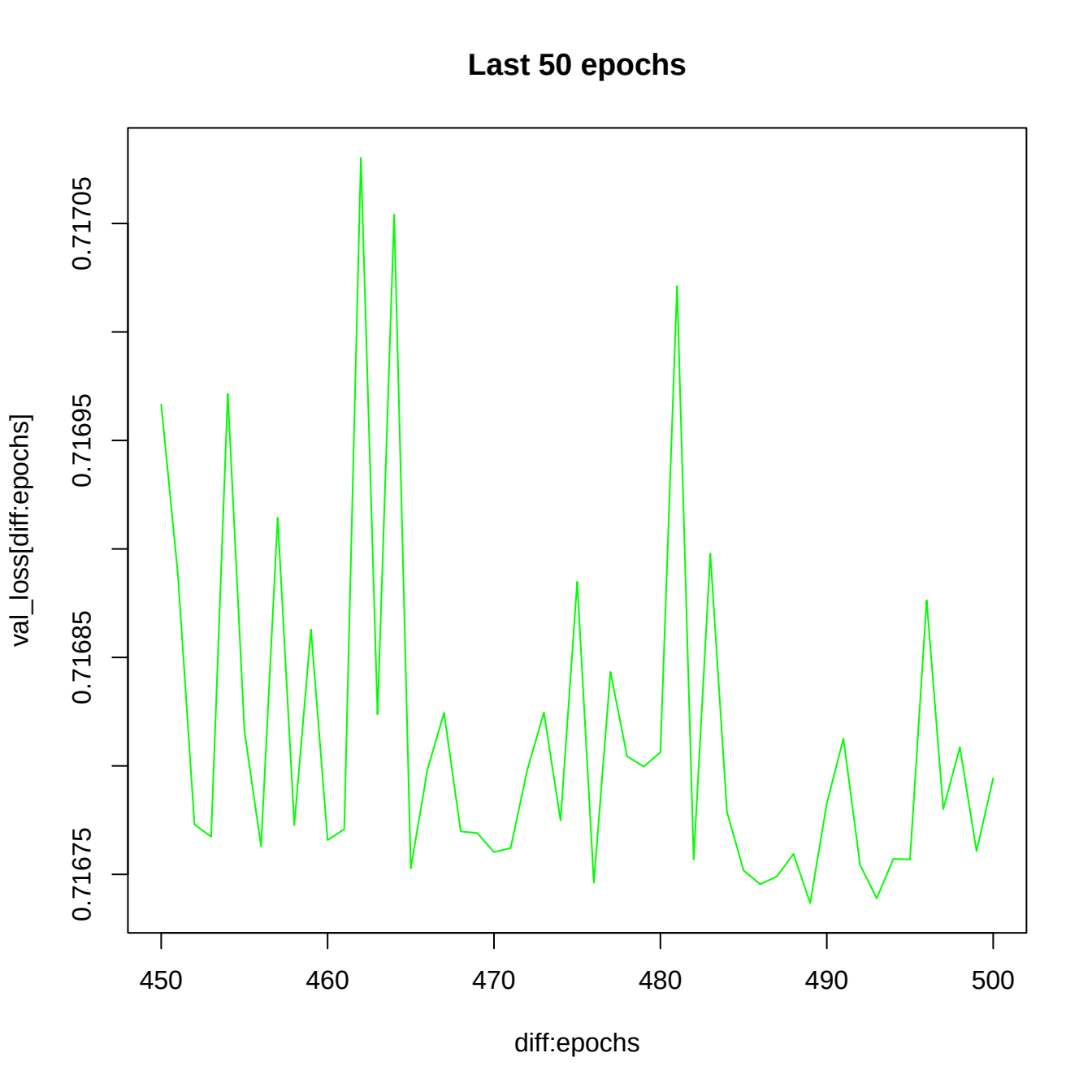
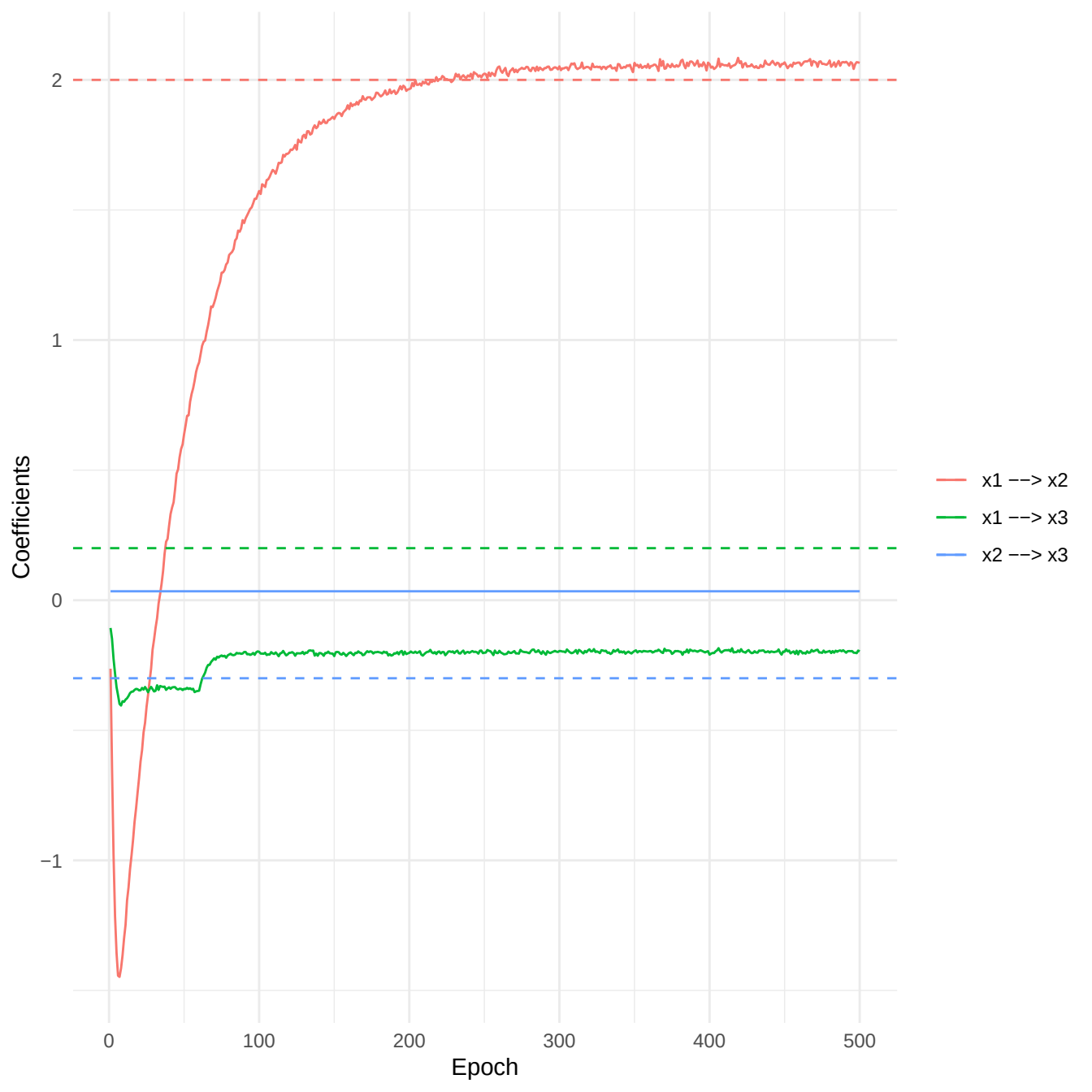
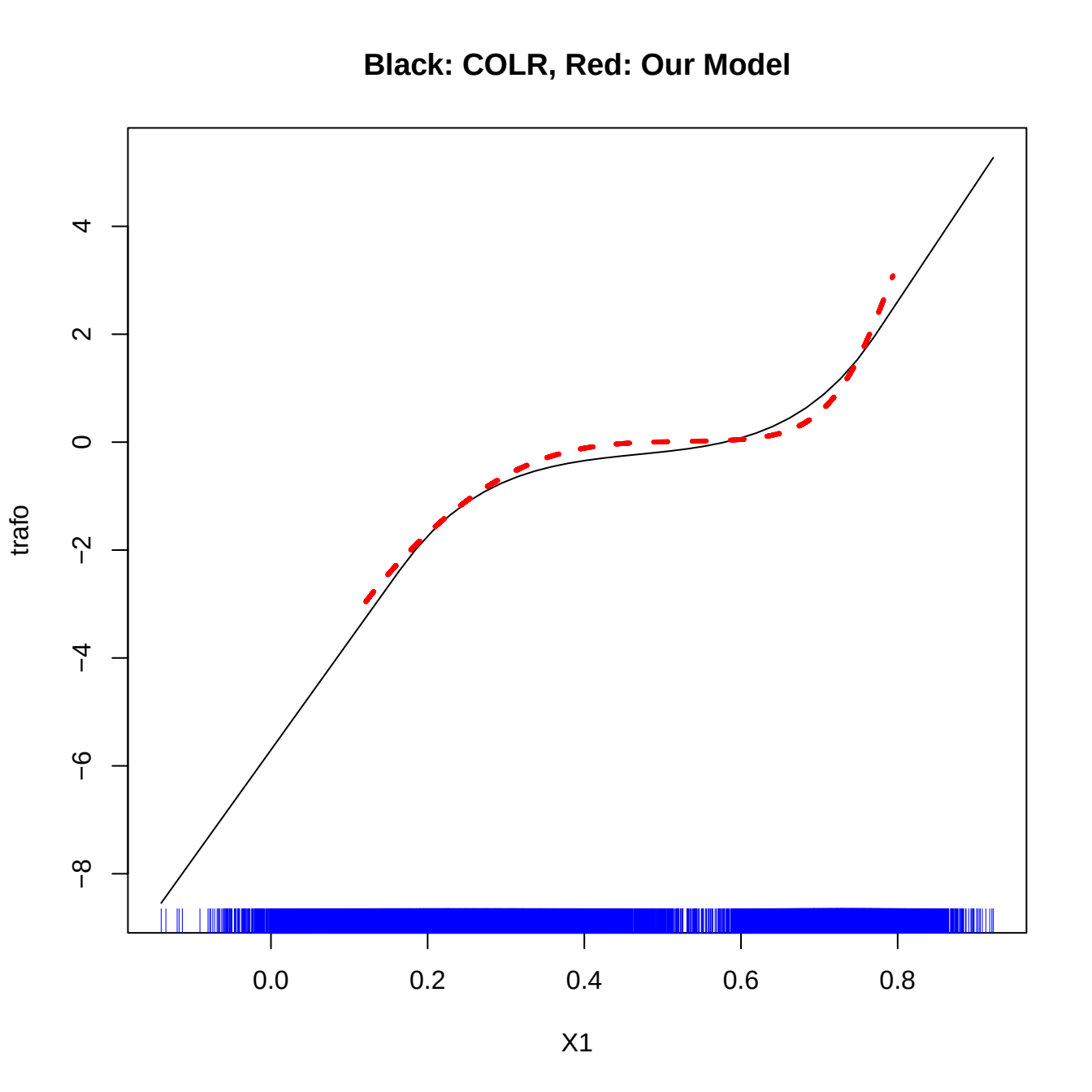


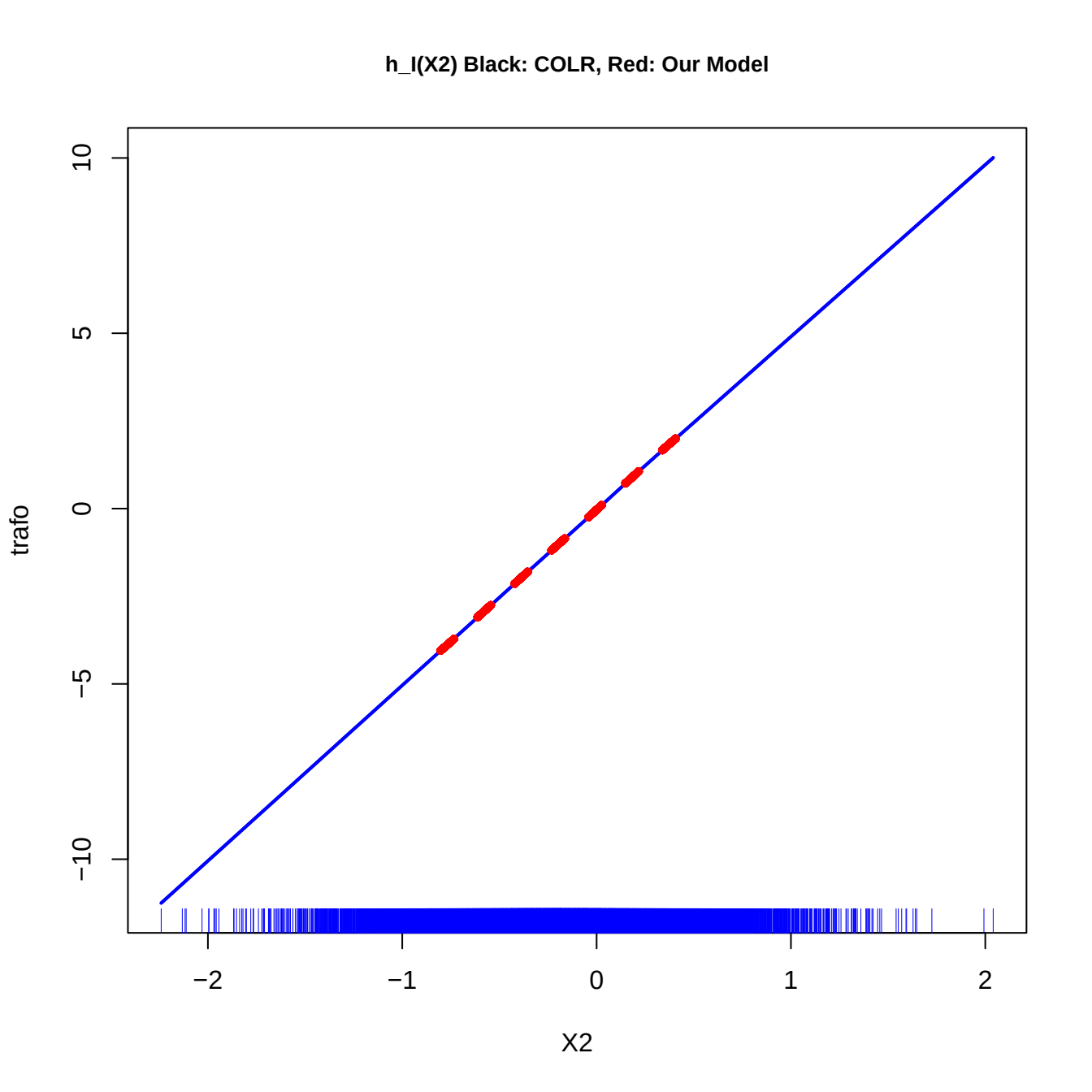
summerof24/runs/triangle_structured_continous/run_nodes25/triangle_mixed_DPGLinear_Mod

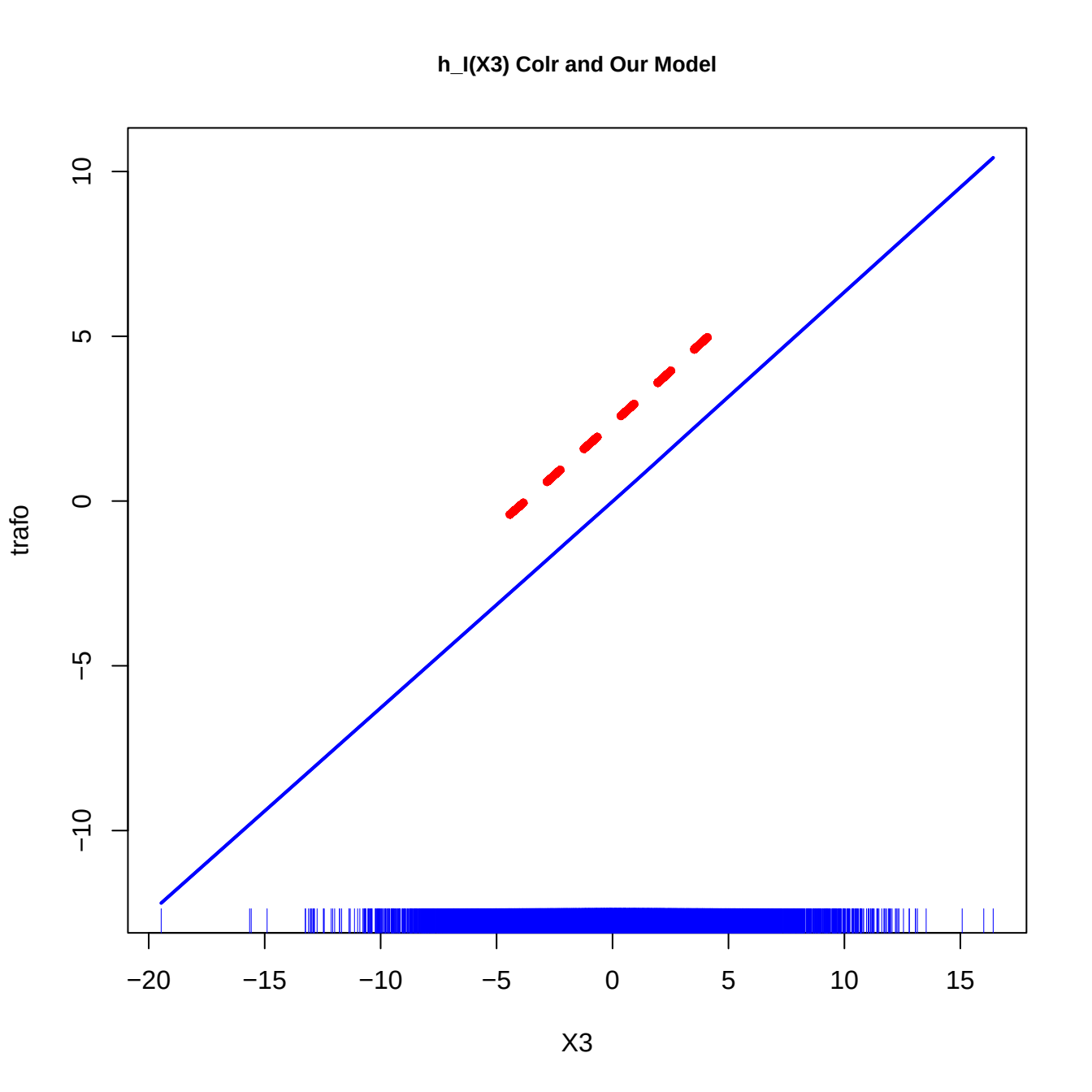

Normal Training (green is valid)
train_loss
0.8
1.0
1.2
1.4
1.6
1.8
2.0
0
100
200
300
400
500
1:length(train_loss)

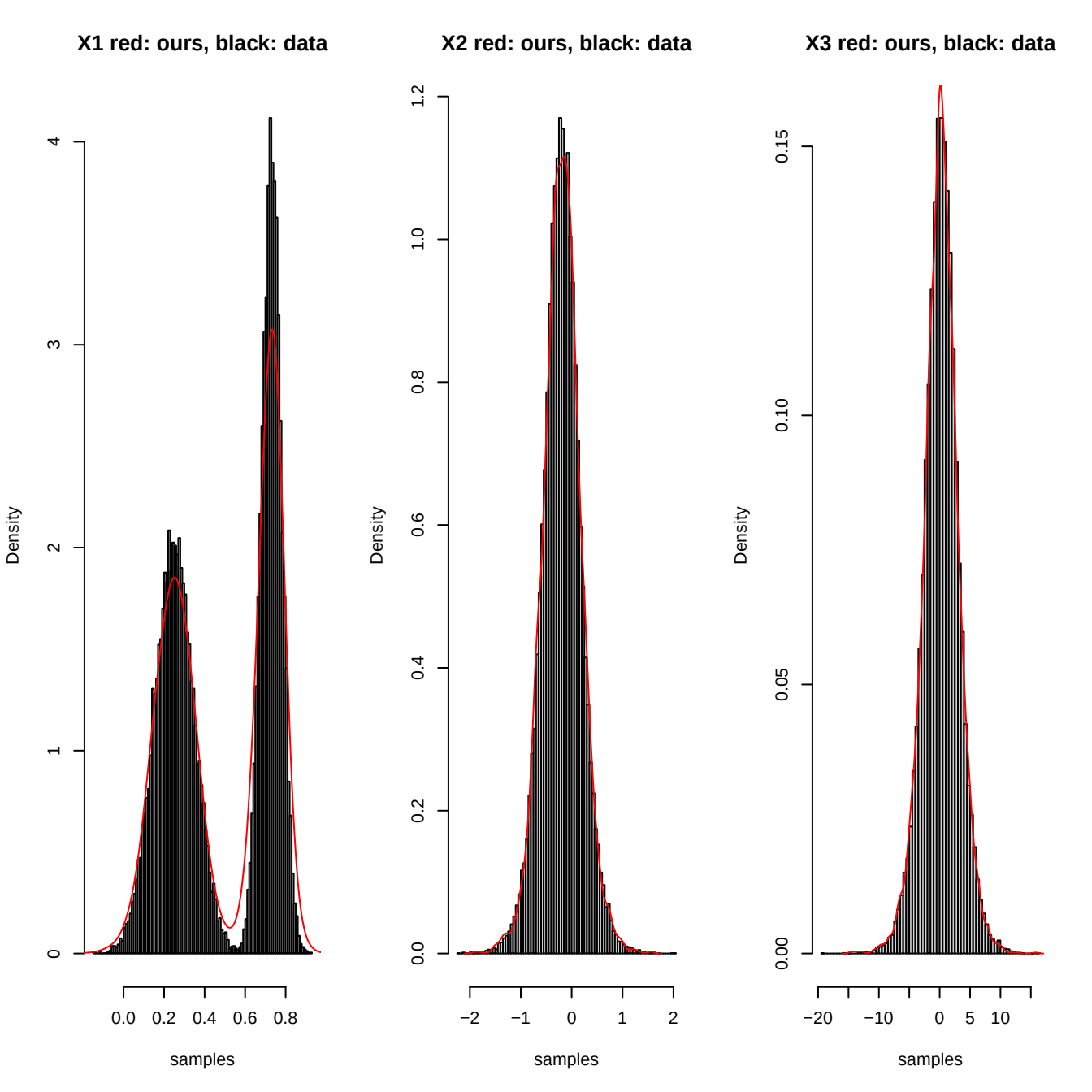

Last 50 epochs
val_loss[diff:epochs]
0.71675
0.71685
0.71695
0.71705
450
460
470
480
490
500
diff:epochs

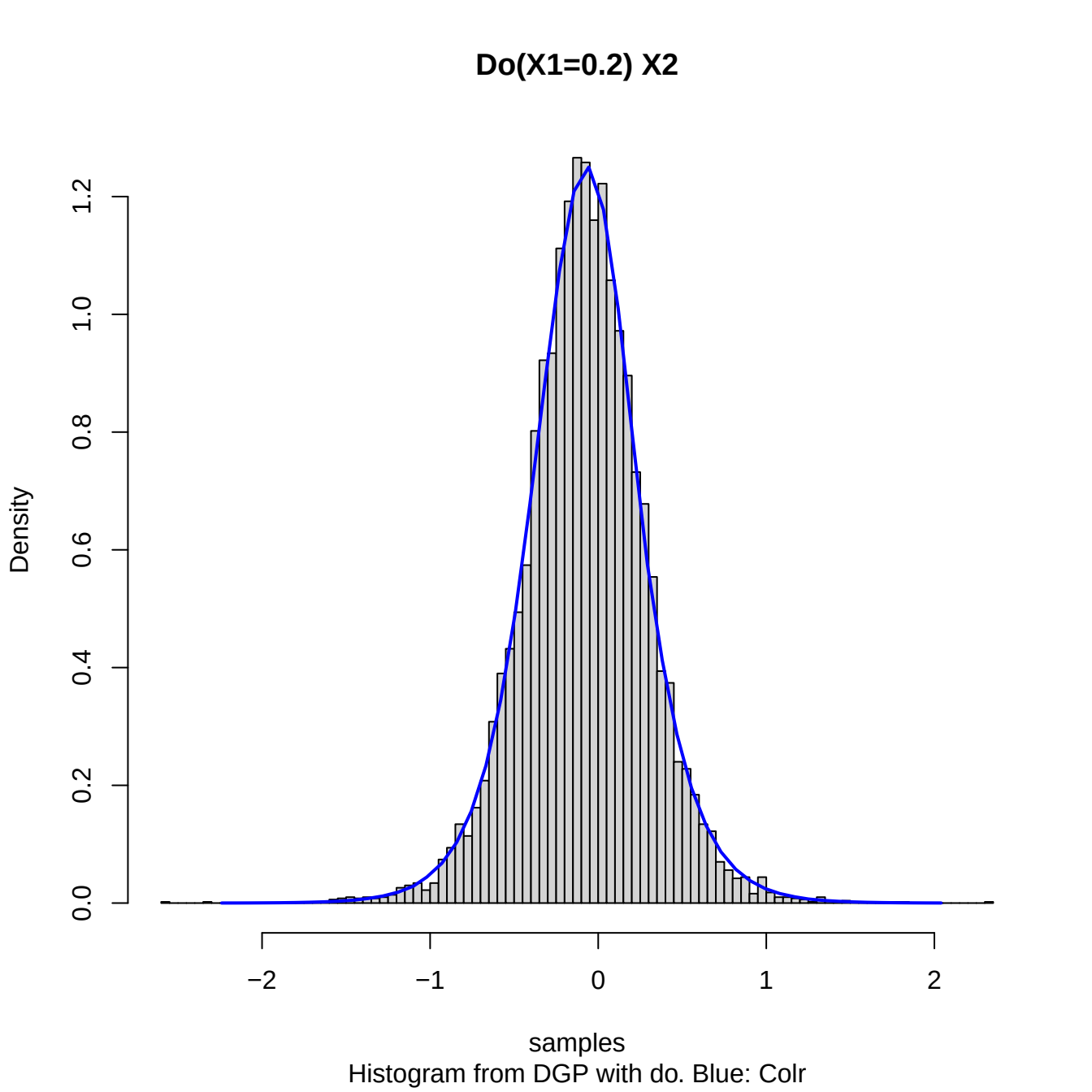

2
1
0
−1
Coefficients
0
100
200
300
400
500
Epoch
x1 −−> x2
x1 −−> x3
x2 −−> x3

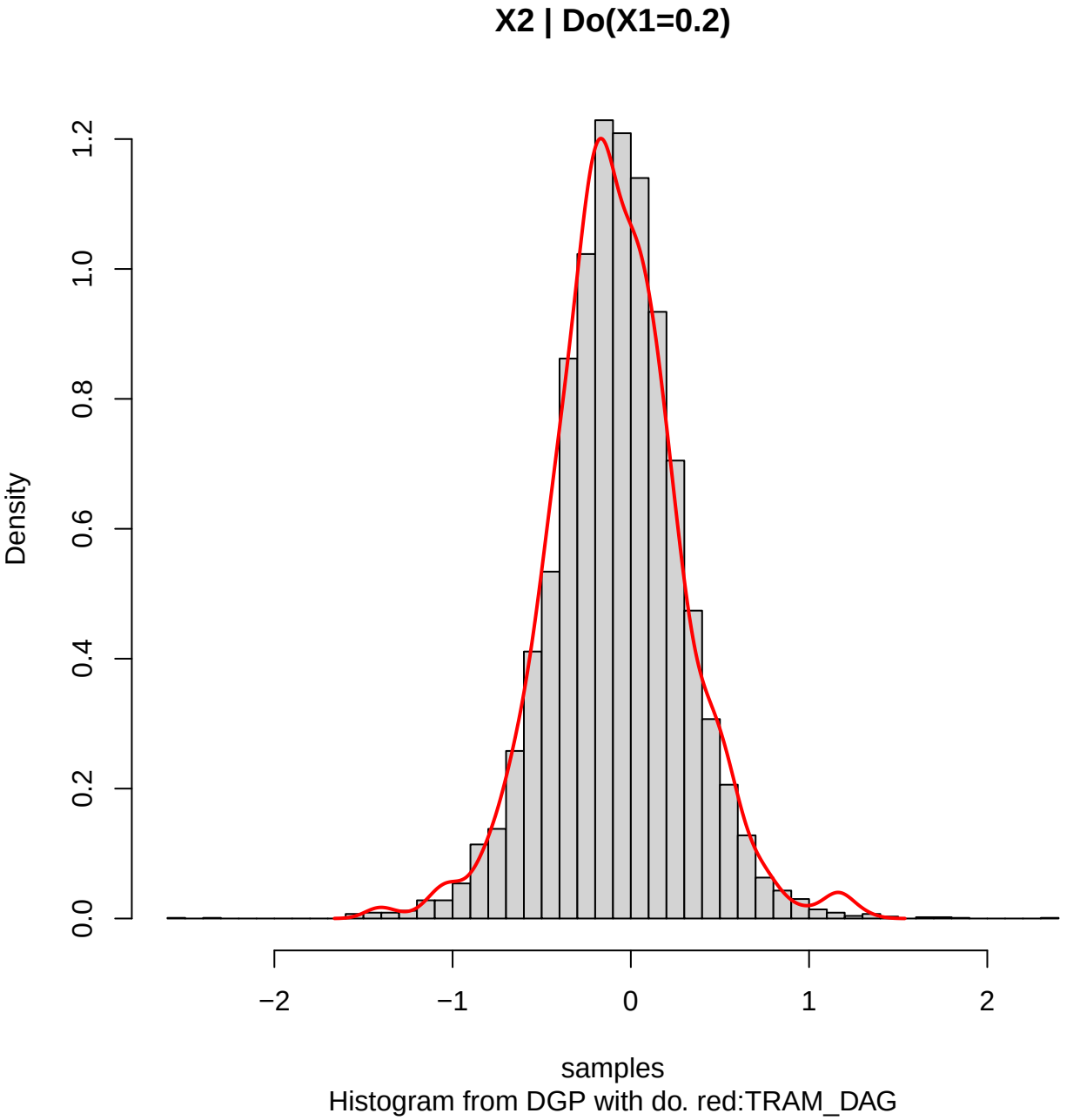

Black: COLR, Red: Our Model
trafo
4
2
0
−2
−4
−6
−8
0.0
0.2
0.4
0.6
0.8
X1

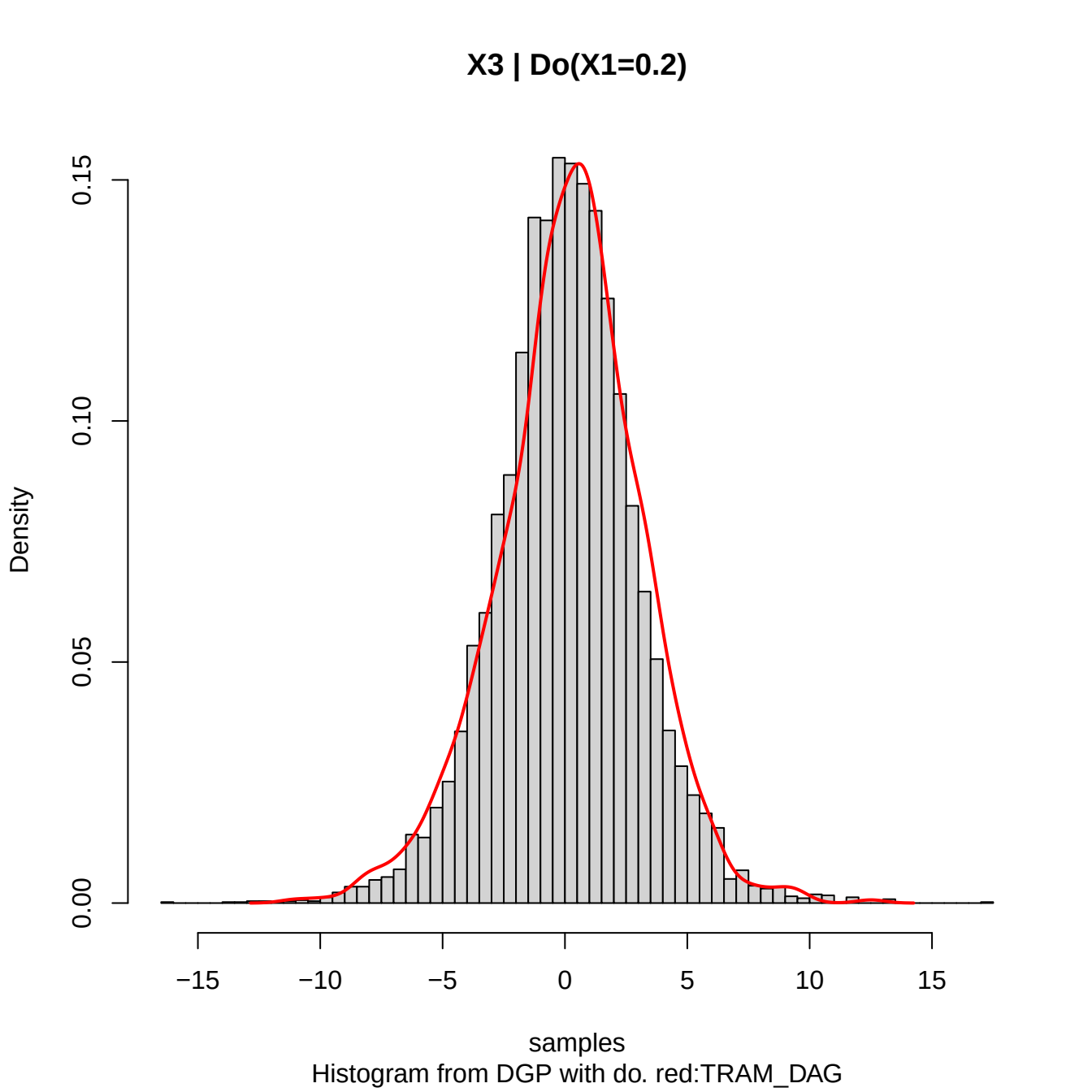

h_I(X2) Black: COLR, Red: Our Model
trafo
10
5
0
−5
−10
−2
−1
0
1
2
X2

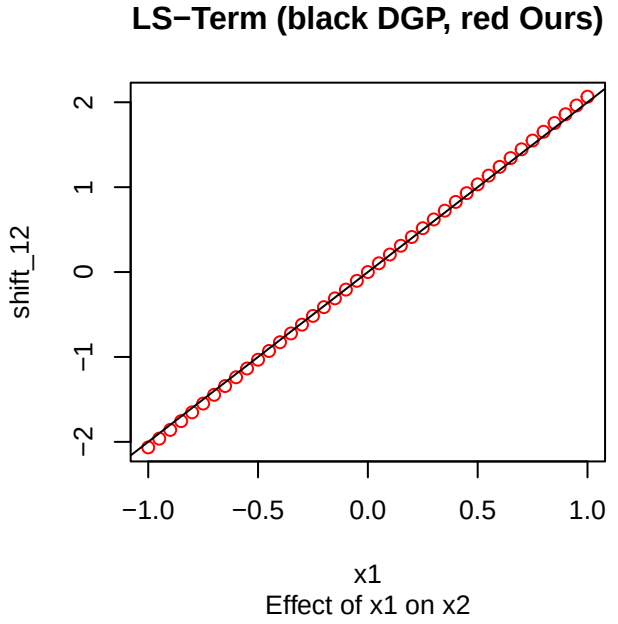

h_I(X3) Colr and Our Model
trafo
10
5
0
−5
−10
−20
−15
−10
−5
0
5
10
15
X3

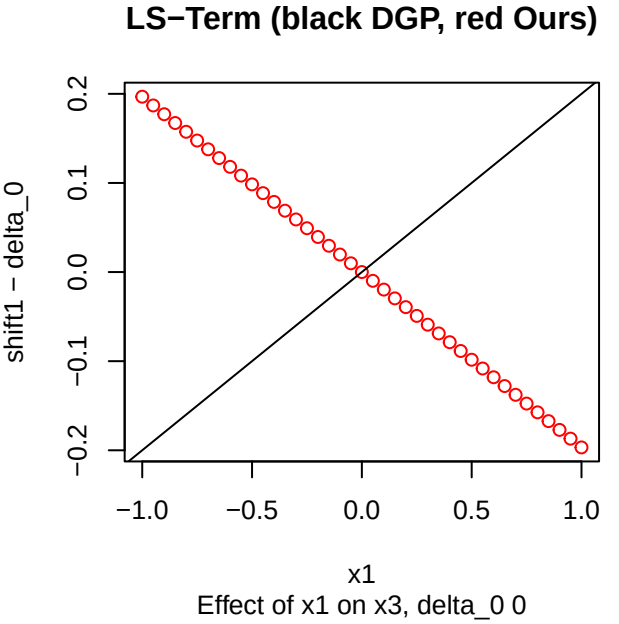

X1 red: ours, black: data
X2 red: ours, black: data
X3 red: ours, black: data
Density
samples
0.0 0.2 0.4 0.6 0.8
−2 −1 0 1 2
−20 −10 0 5 10
0 1 2 3 4
0.0 0.2 0.4 0.6 0.8 1.0 1.2
0.00 0.05 0.10 0.15

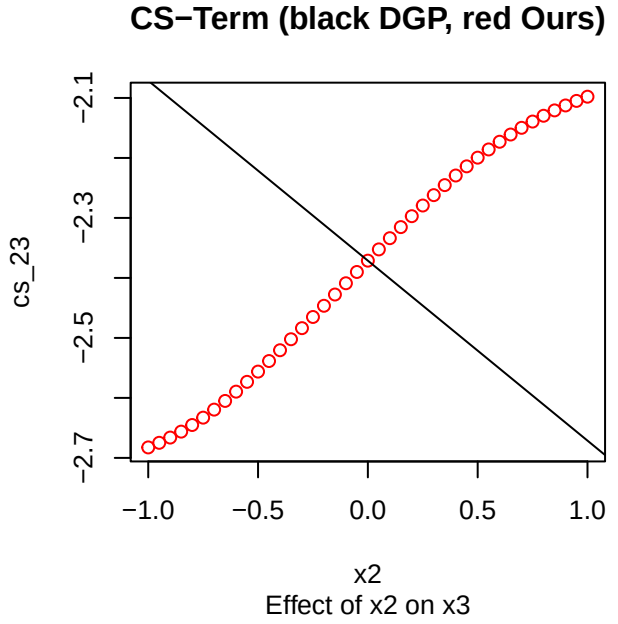

Do(X1=0.2) X2
Density
0.0
0.2
0.4
0.6
0.8
1.0
1.2
−2
−1
0
1
2
samples
Histogram from DGP with do. Blue: Colr


X2 | Do(X1=0.2)
Density
0.0
0.2
0.4
0.6
0.8
1.0
1.2
−2
−1
0
1
2
samples
Histogram from DGP with do. red:TRAM_DAG


X3 | Do(X1=0.2)
Density
0.00
0.05
0.10
0.15
−15
−10
−5
0
5
10
15
samples
Histogram from DGP with do. red:TRAM_DAG


LS−Term (black DGP, red Ours)
shift_12
2
1
0
−1
−2
−1.0
−0.5
0.0
0.5
1.0
x1
Effect of x1 on x2


LS−Term (black DGP, red Ours)
shift1 − delta_0
0.2
0.1
0.0
−0.1
−0.2
−1.0
−0.5
0.0
0.5
1.0
x1
Effect of x1 on x3, delta_0 0


CS−Term (black DGP, red Ours)
cs_23
−2.1
−2.3
−2.5
−2.7
−1.0
−0.5
0.0
0.5
1.0
x2
Effect of x2 on x3