

Input parameters (black lines)

model

IK BayesianMS

bias

0.5

nChains

5000

betavar

0

meanChainlen

13

input joint distr

X1	Y	X2	p
1	1	1	0.09765625
1	1	0	0.05859375
1	0	1	0.0234375
1	0	0	0.0703125
0	1	1	0.1171875
0	1	0	0.0703125
0	0	1	0.140625
0	0	0	0.421875

causal strengths

X1	Y	X2
0	0.5	0
0	0	0.5
0	0	0

baserates 0.25 0.25 0.25

mean sim joint distr

state	X1	Y	X2	p
1	1	1	1	0.14584615
2	1	1	0	0.05935385
3	1	0	1	0.02450769
4	1	0	0	0.06338462
5	0	1	1	0.11793846
6	0	1	0	0.06287692
7	0	0	1	0.12209231
8	0	0	0	0.40400000

Input parameters (red lines)

input joint distr

model

IK BayesianMS

X1	Y	X2	p
1	1	1	0.09765625
1	1	0	0.05859375
1	0	1	0.0234375
1	0	0	0.0703125
0	1	1	0.1171875
0	1	0	0.0703125
0	0	1	0.140625
0	0	0	0.421875

causal strengths

X1	Y	X2
0	0.5	0
0	0	0.5
0	0	0

bias

0.5

baserates 0.25 0.25 0.25

mean sim joint distr

nChains

5000

state	X1	Y	X2	p
1	1	1	1	0.14584615
2	1	1	0	0.05935385
3	1	0	1	0.02450769
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6	0	1	0	0.06287692
7	0	0	1	0.12209231
8	0	0	0	0.40400000

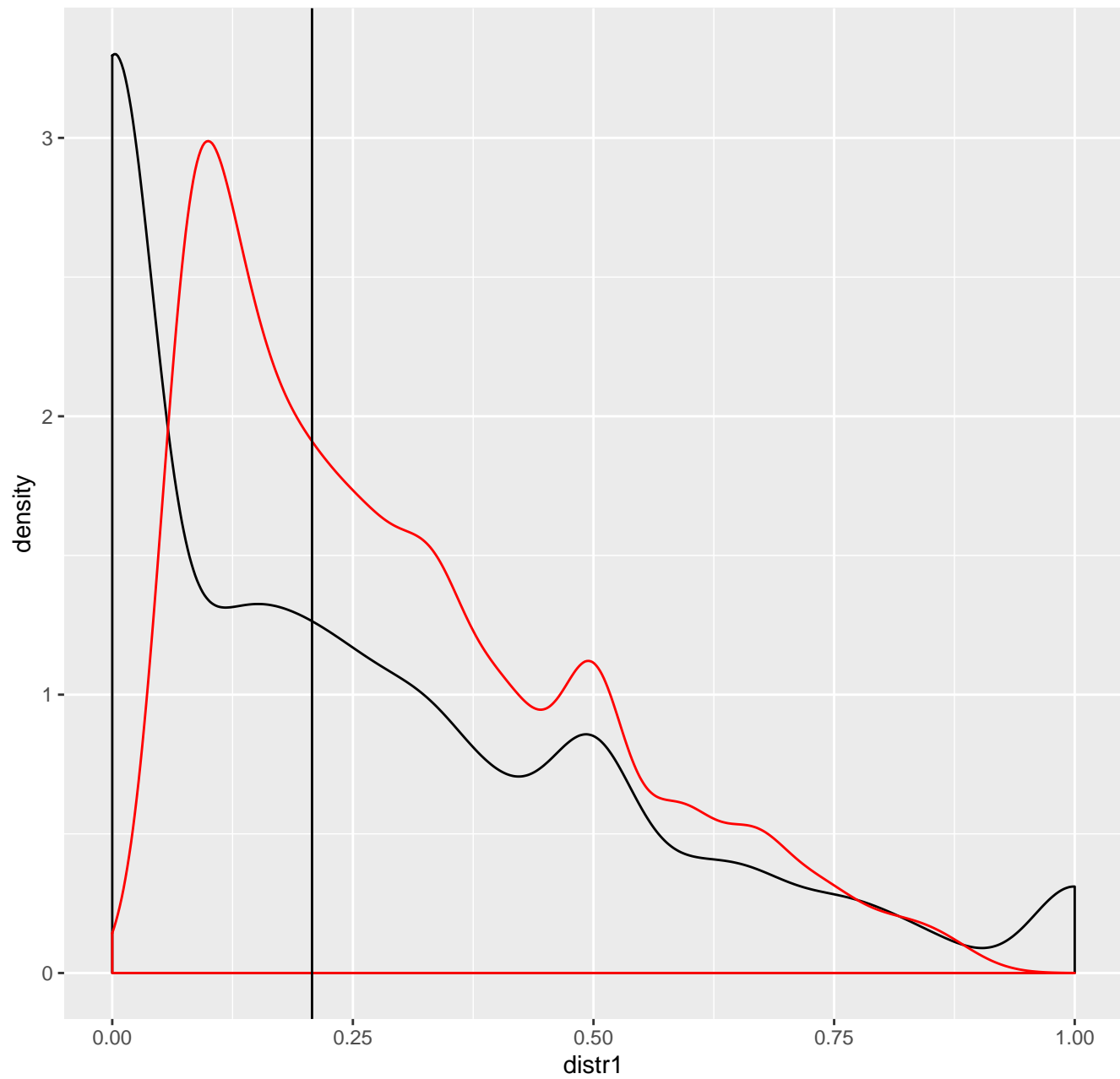
betavar

1

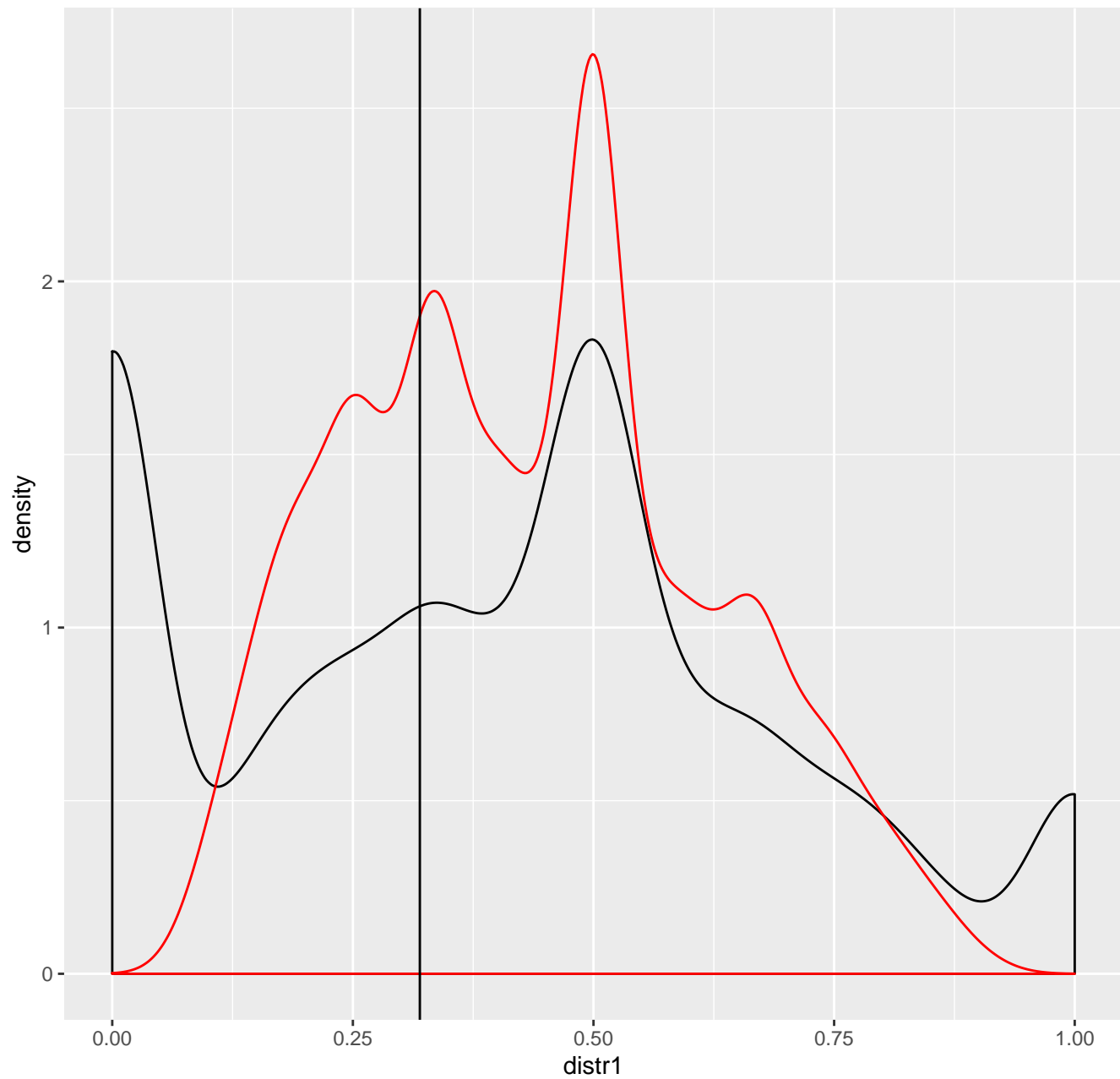
meanChainlen

13

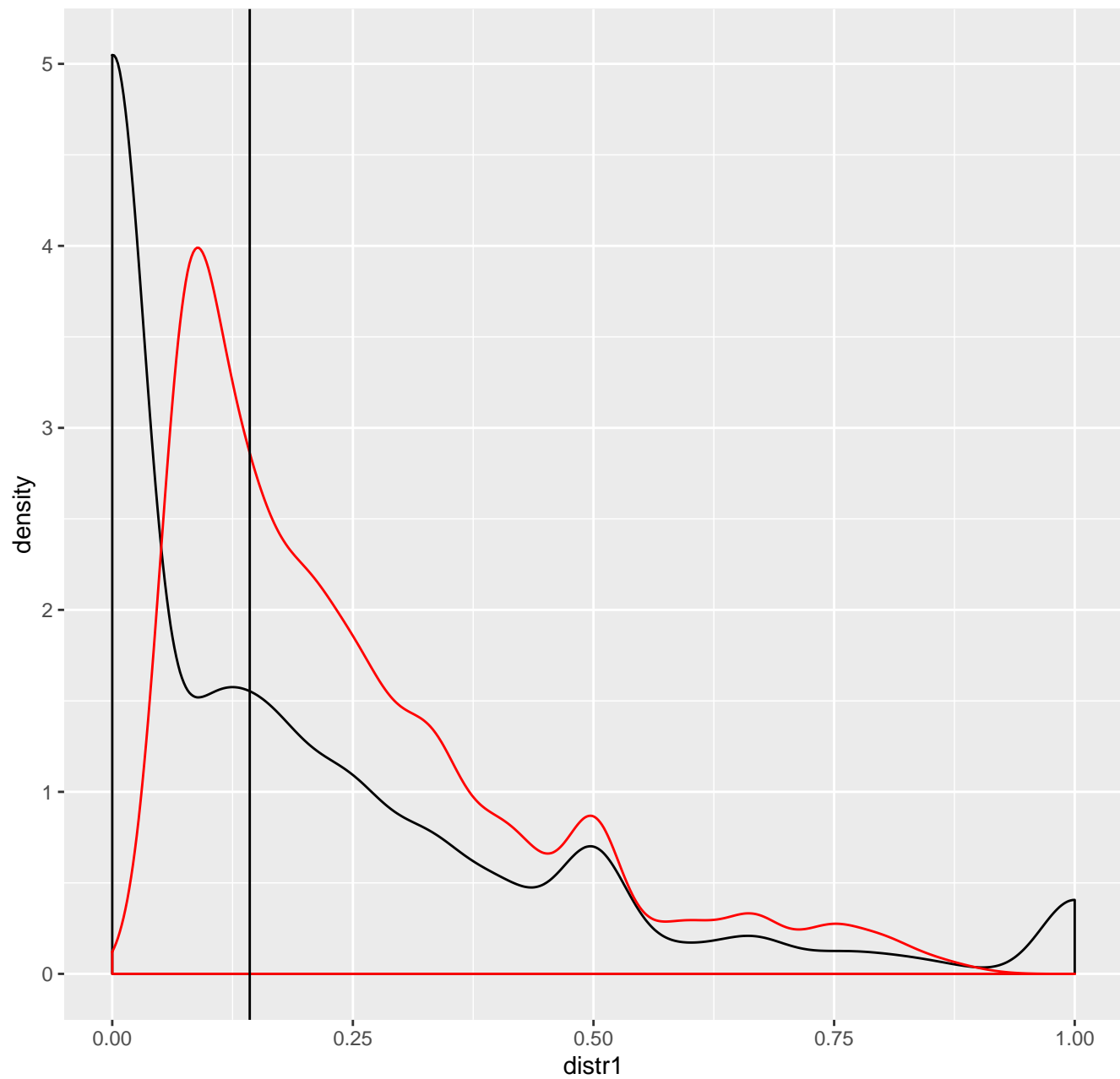
response distribution  $X_1|X_2==0$



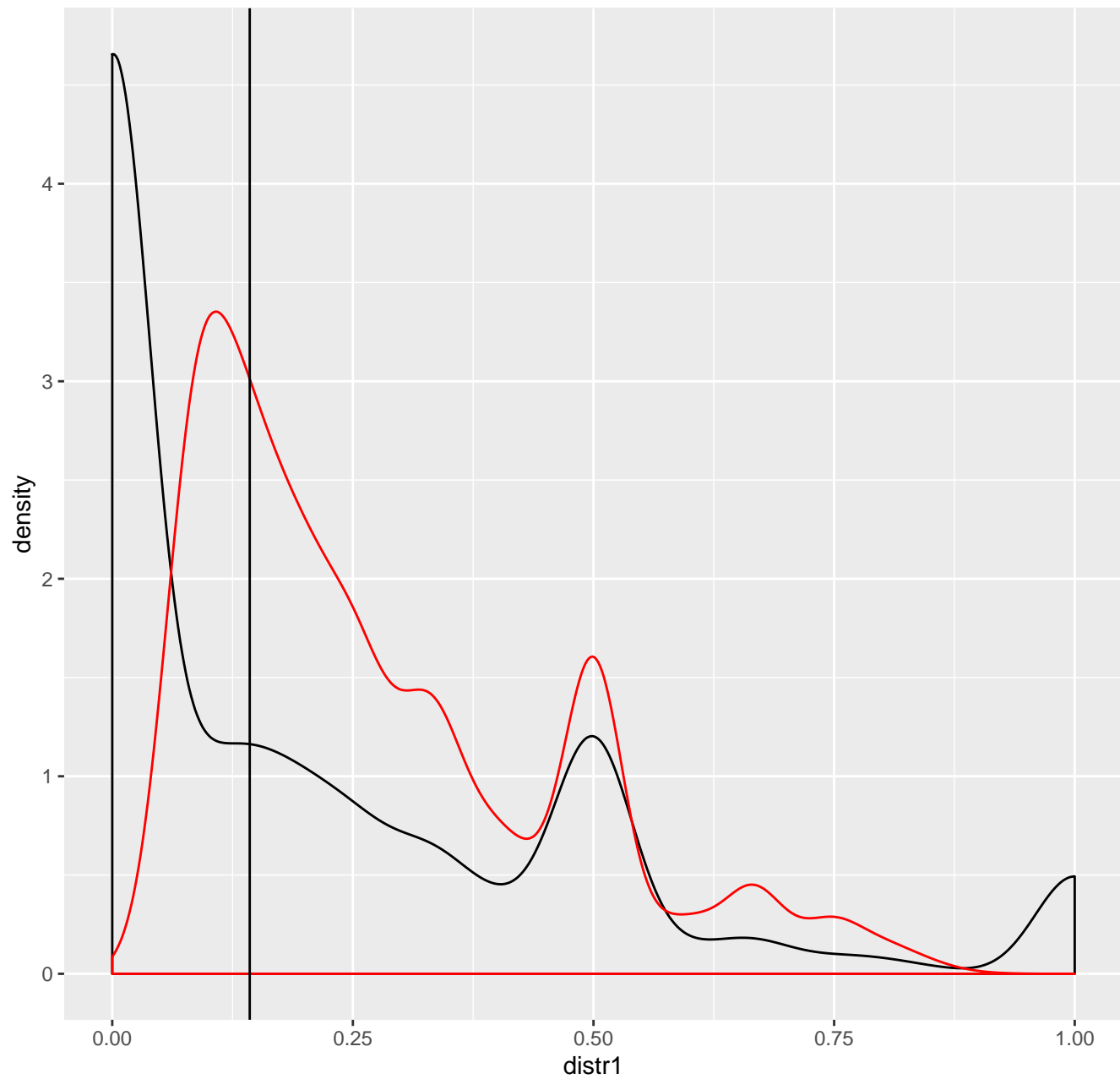
response distribution  $X_1|X_2==1$



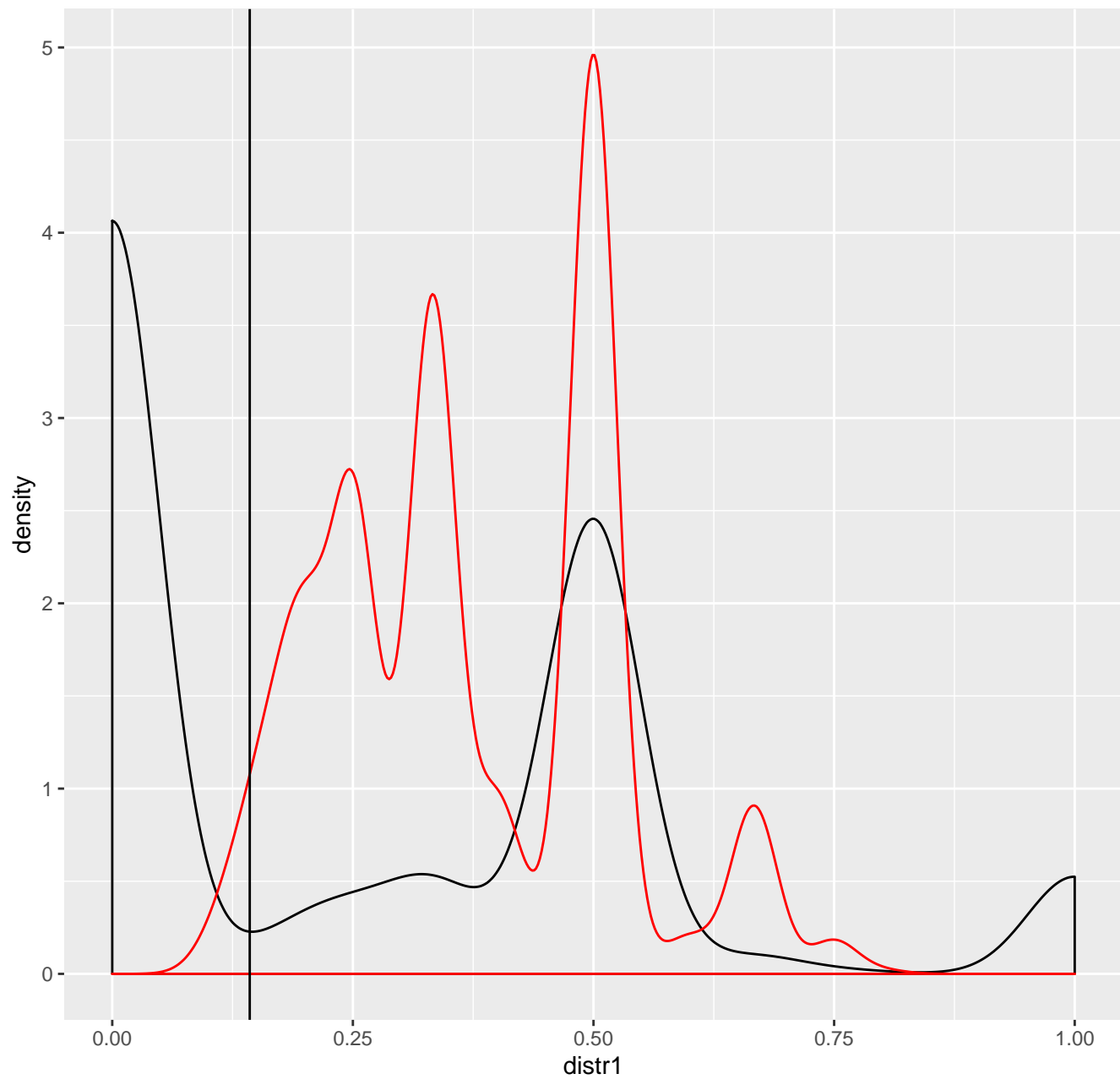
response distribution  $X_1|Y==0$



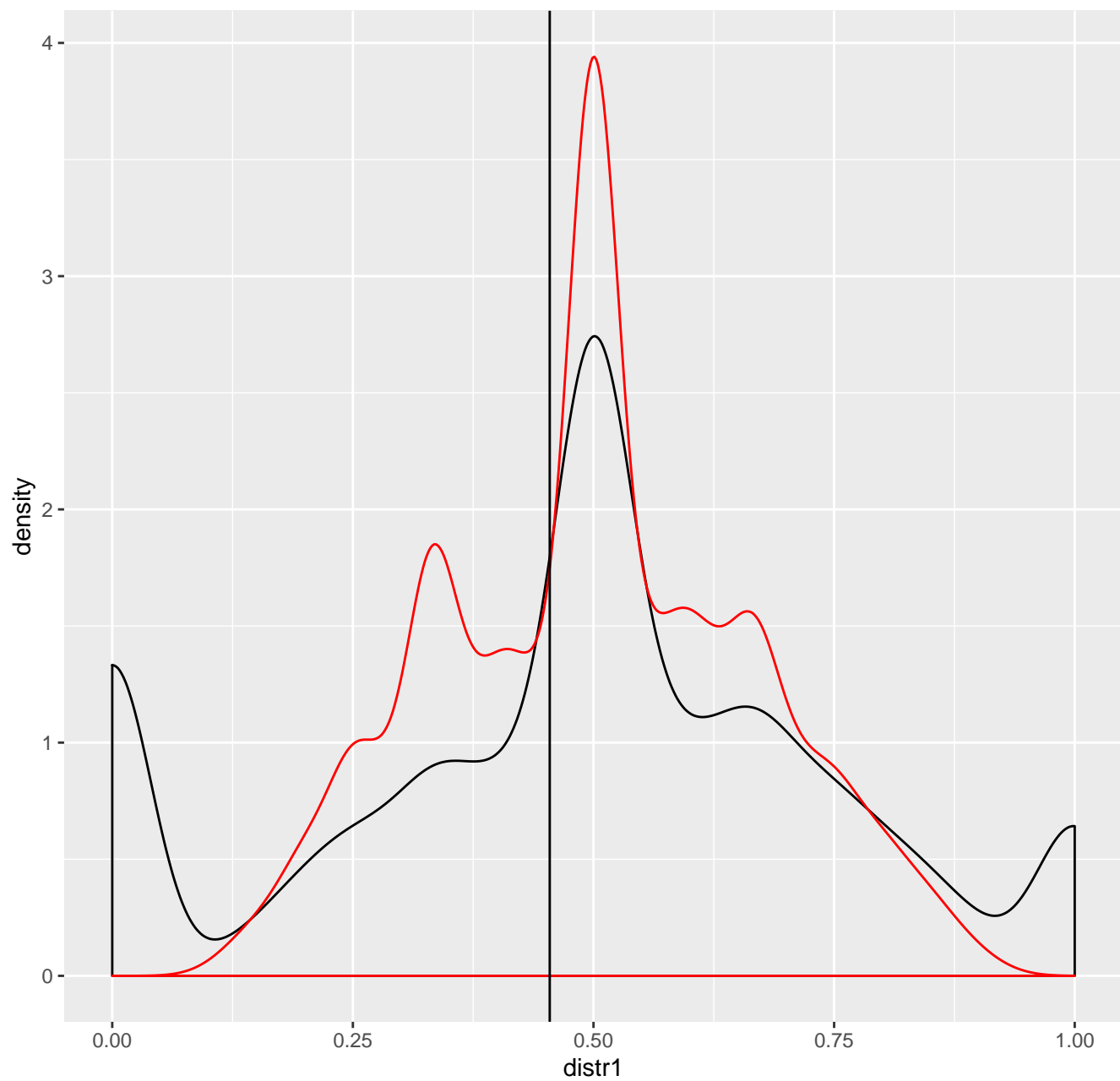
response distribution  $X_1|Y==0$  &  $X_2==0$



response distribution  $X_1|Y==0$  &  $X_2==1$

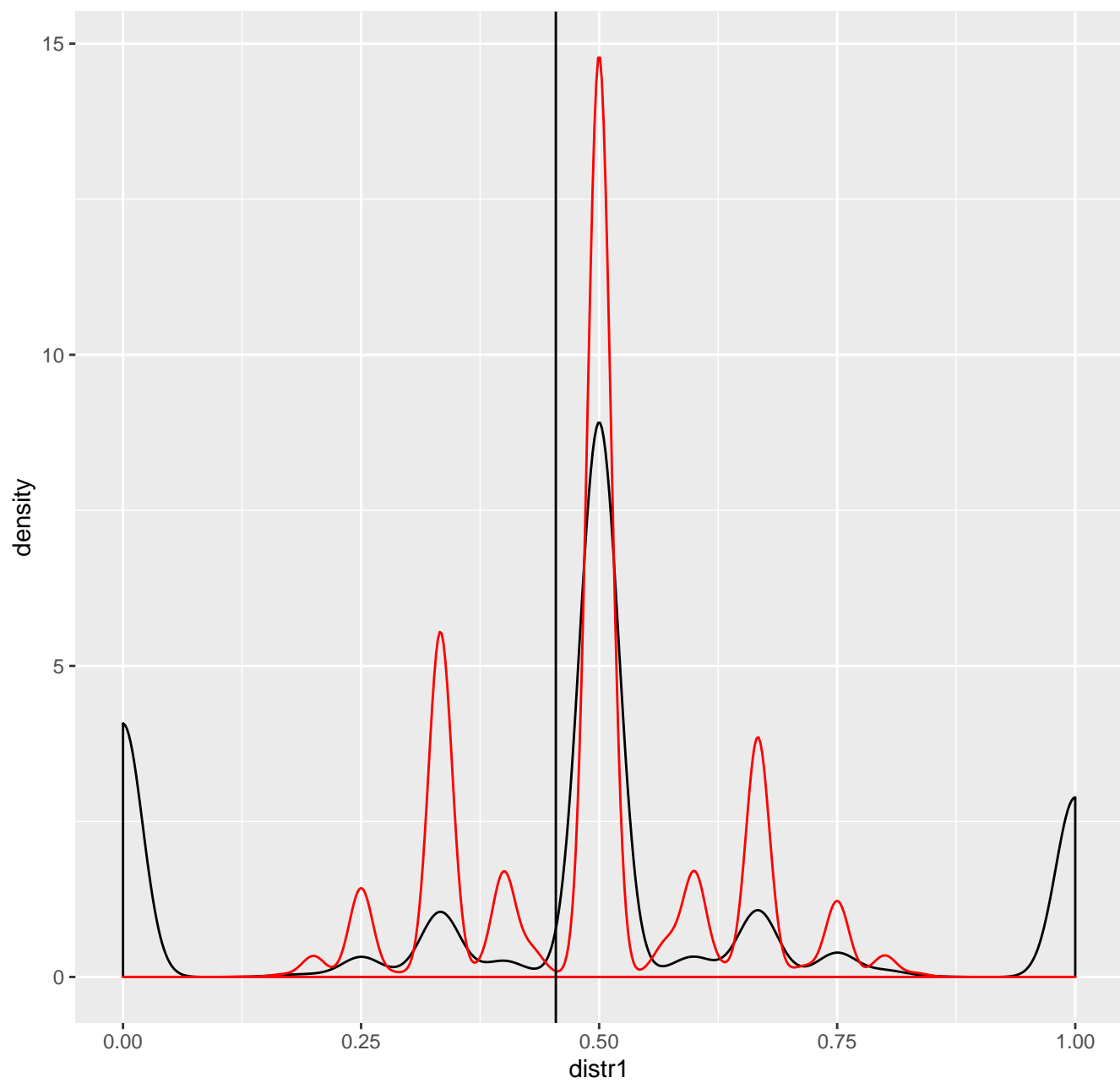


response distribution  $X1|Y==1$

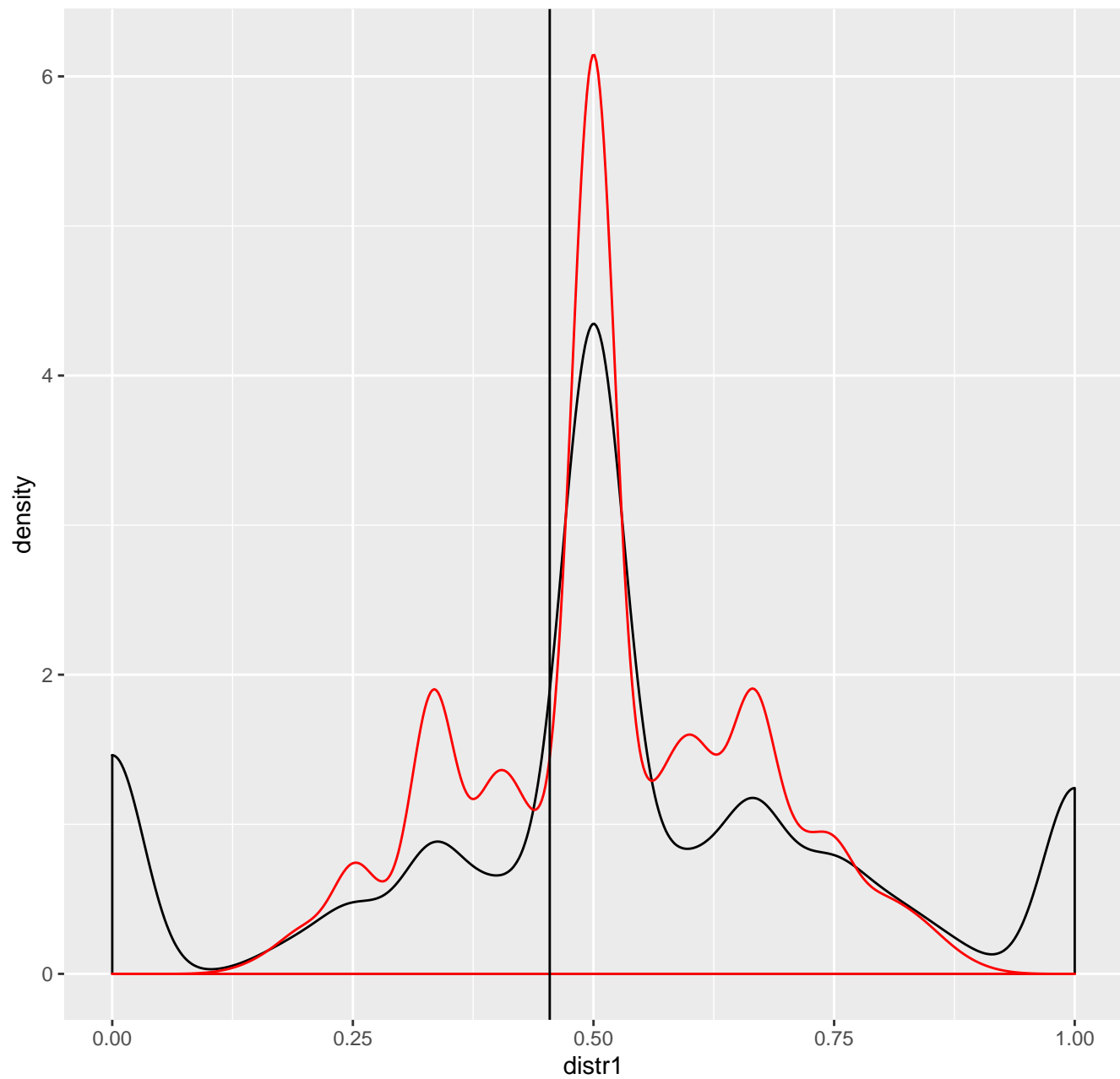




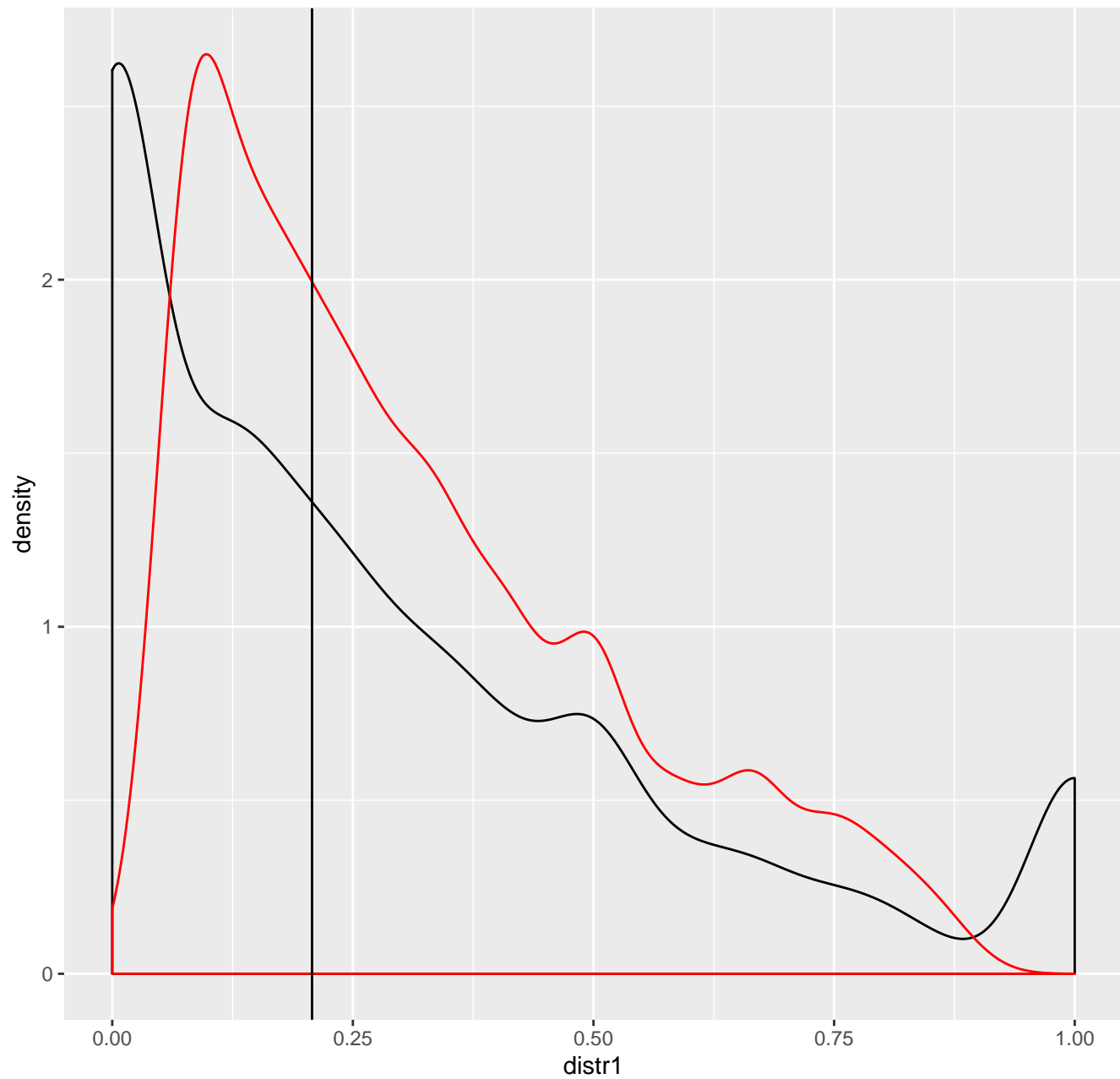
response distribution  $X1|Y==1$  &  $X2==0$



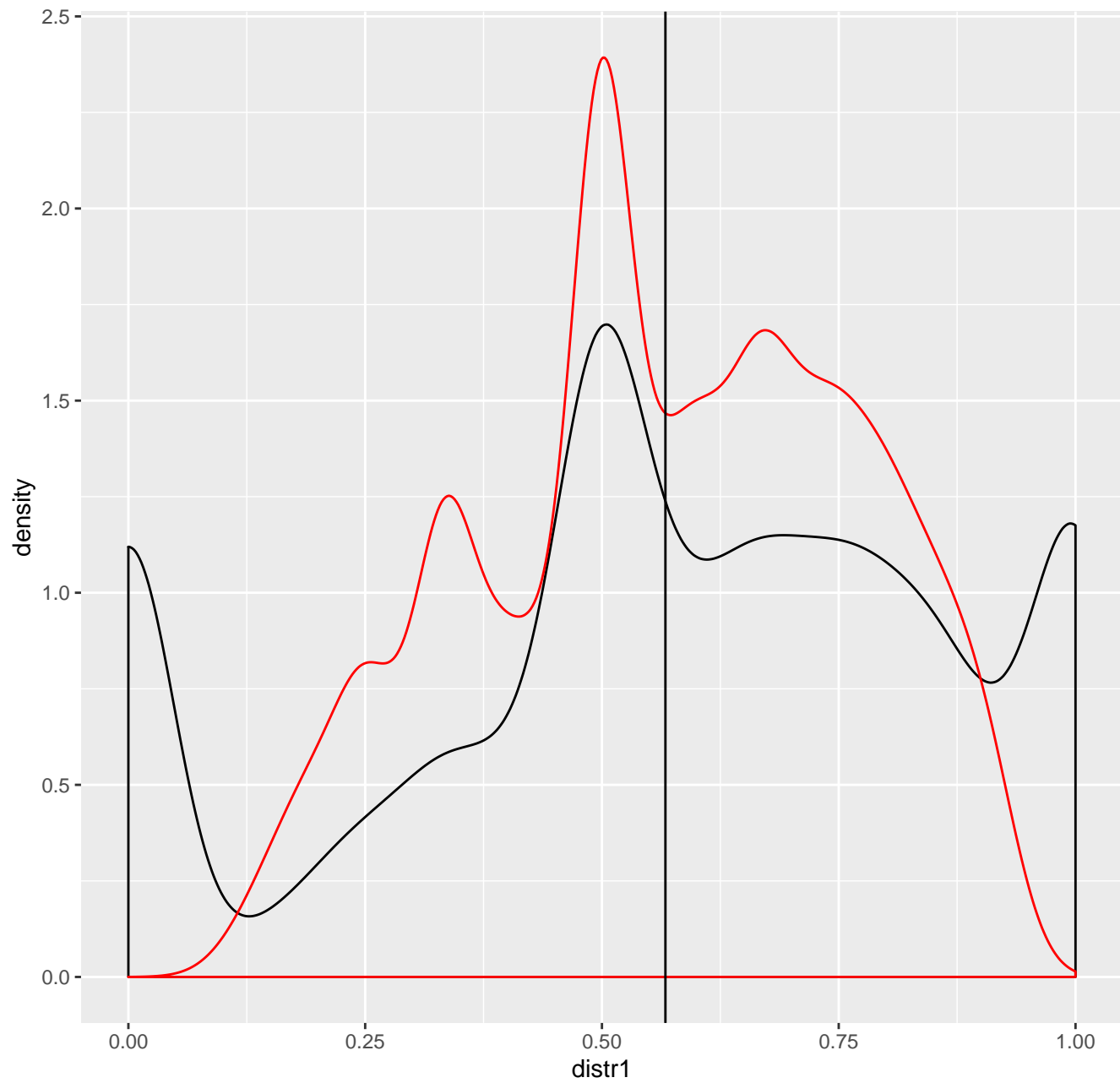
response distribution  $X_1|Y==1$  &  $X_2==1$



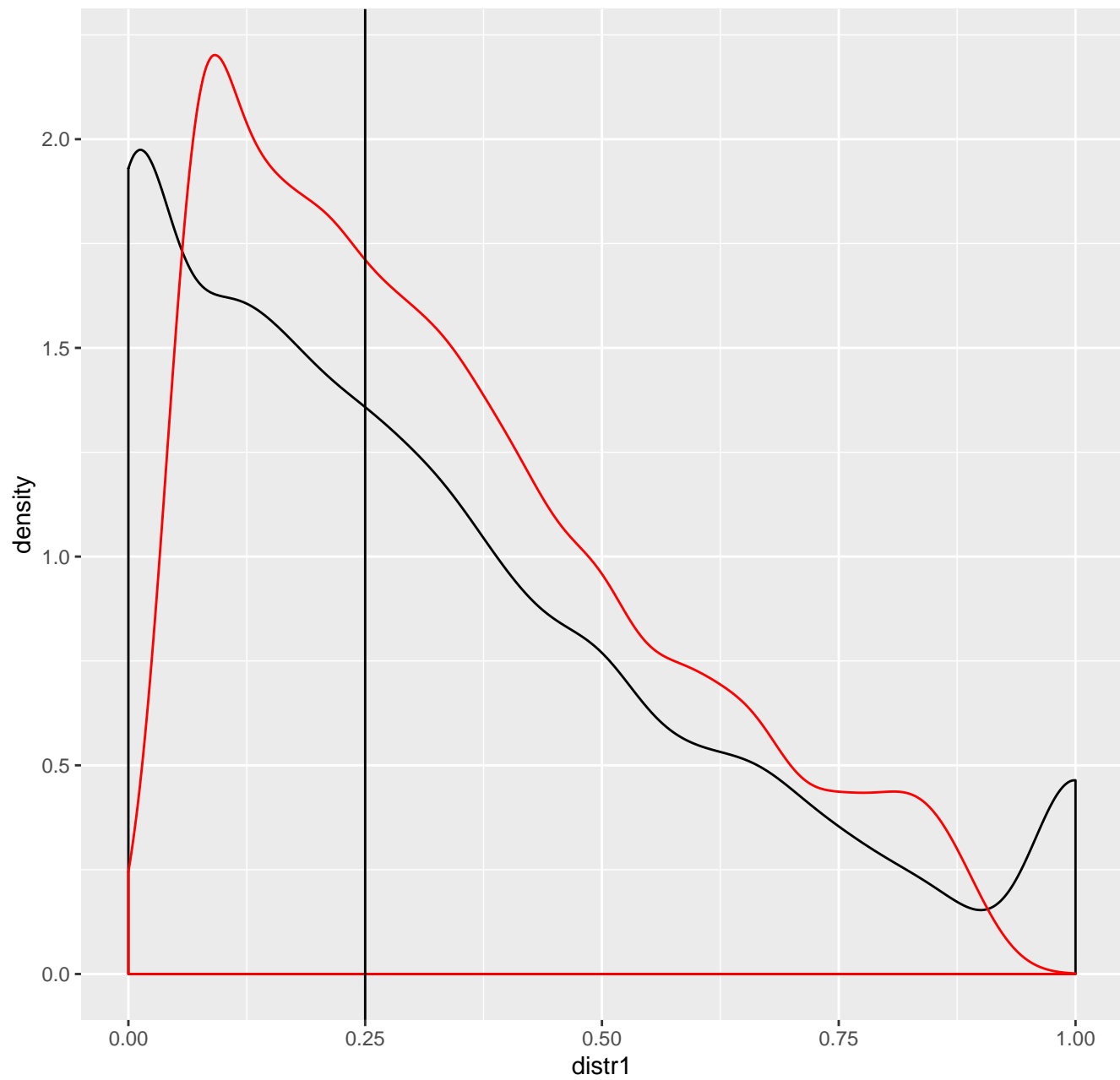
response distribution  $Y|X_2=0$



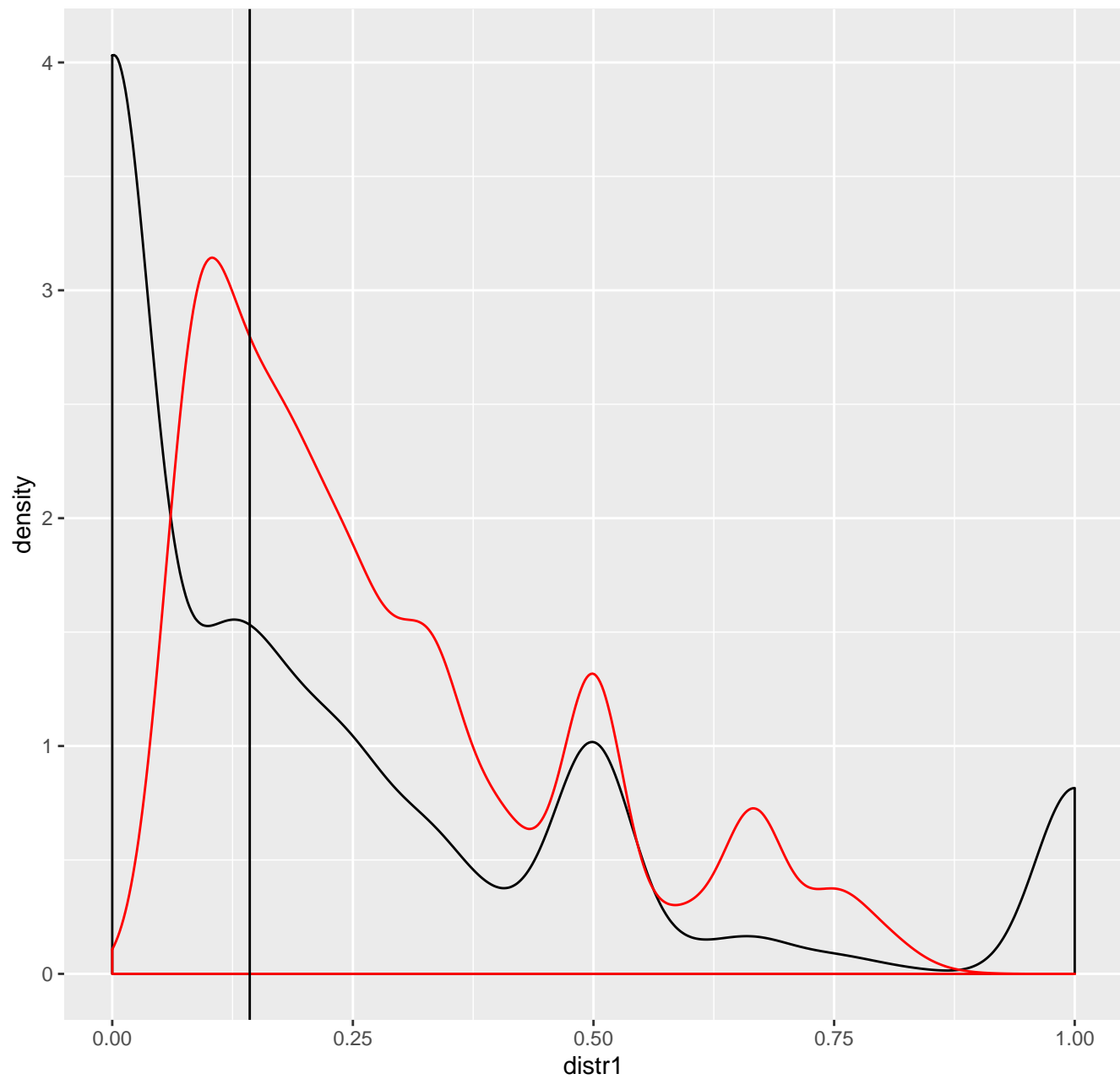
response distribution  $Y|X_2=1$



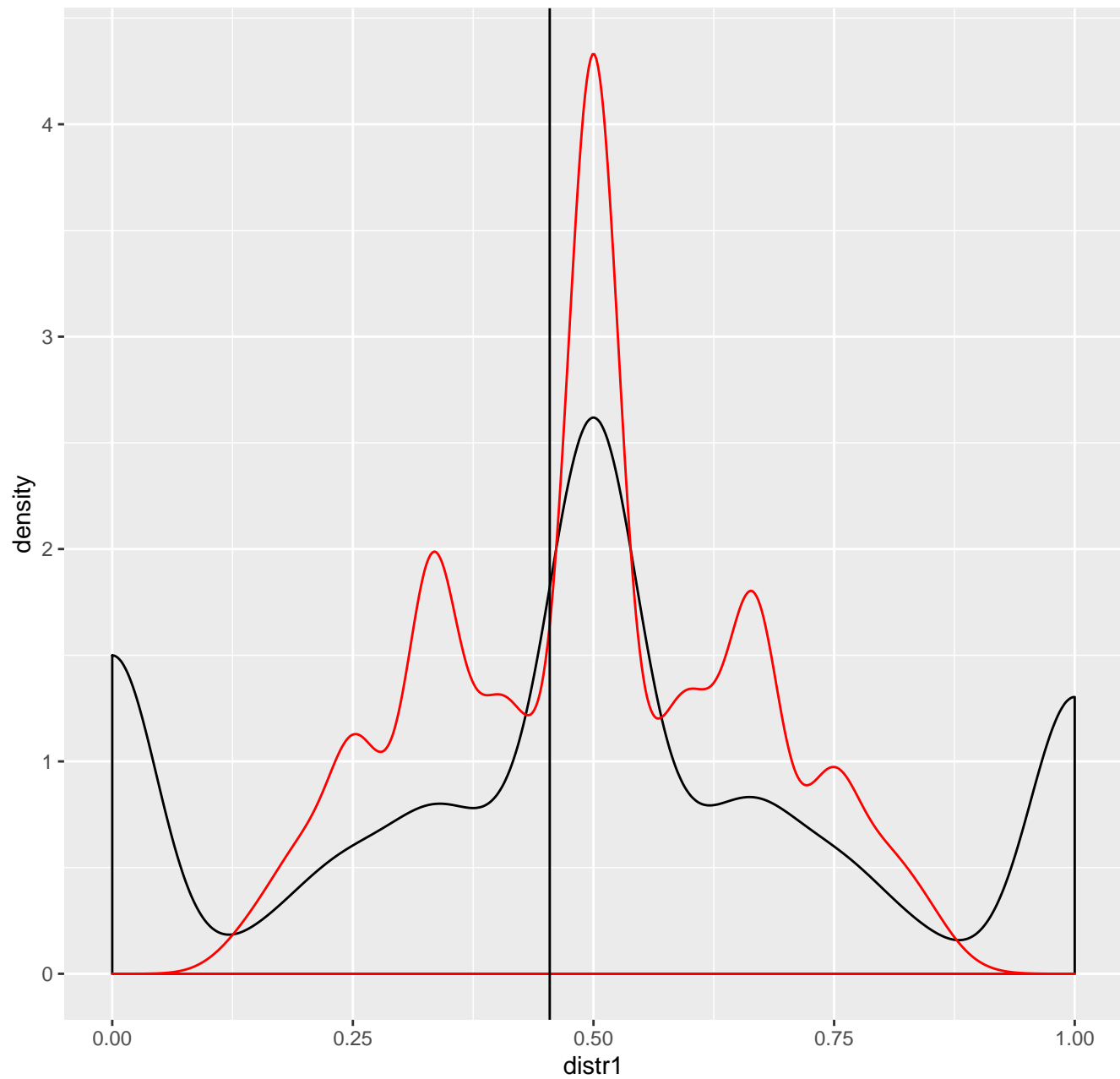
response distribution  $Y|X1==0$



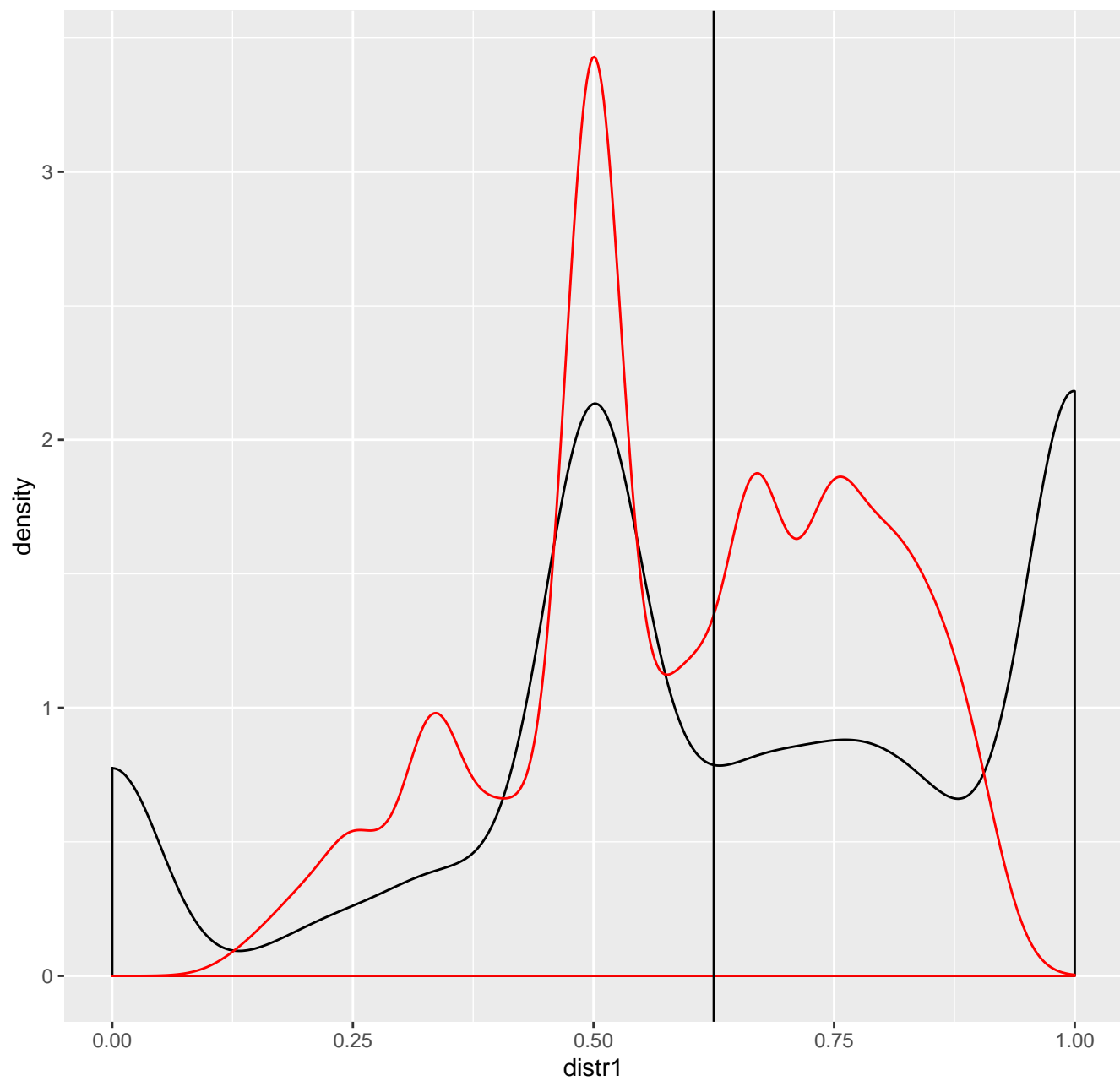
response distribution  $Y|X_1==0$  &  $X_2==0$



response distribution  $Y|X_1=0$  &  $X_2=1$

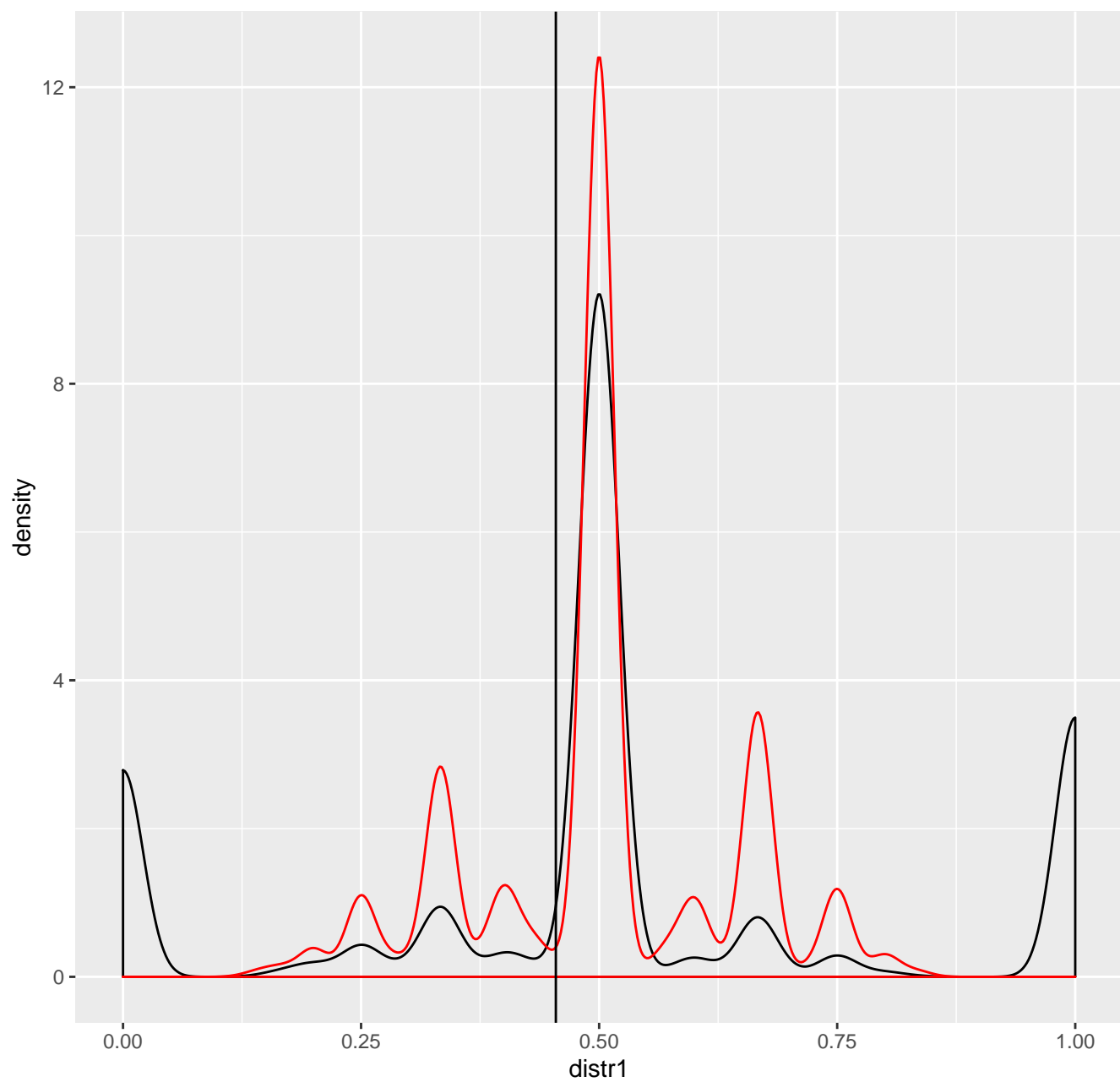


response distribution  $Y|X1==1$

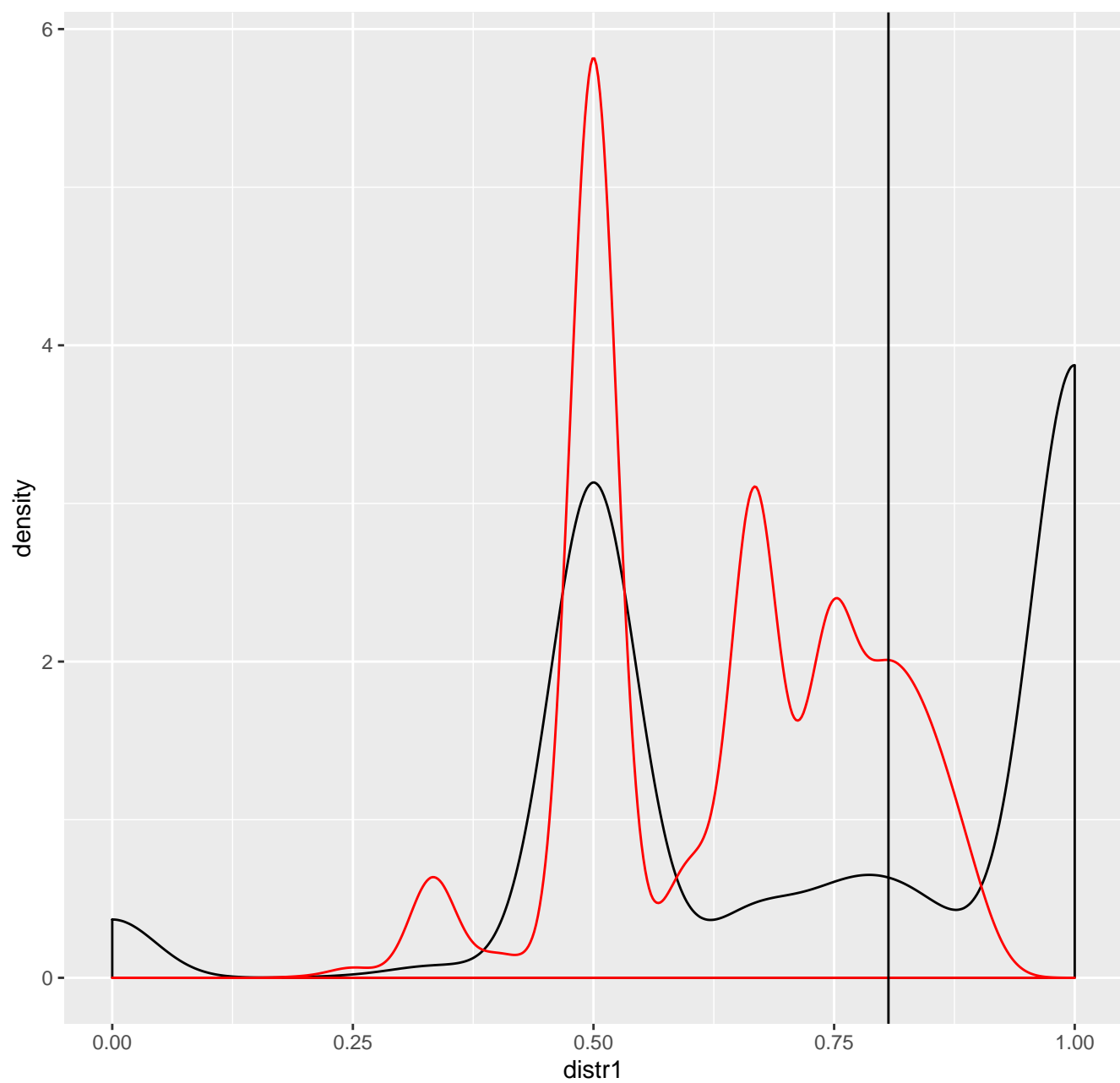




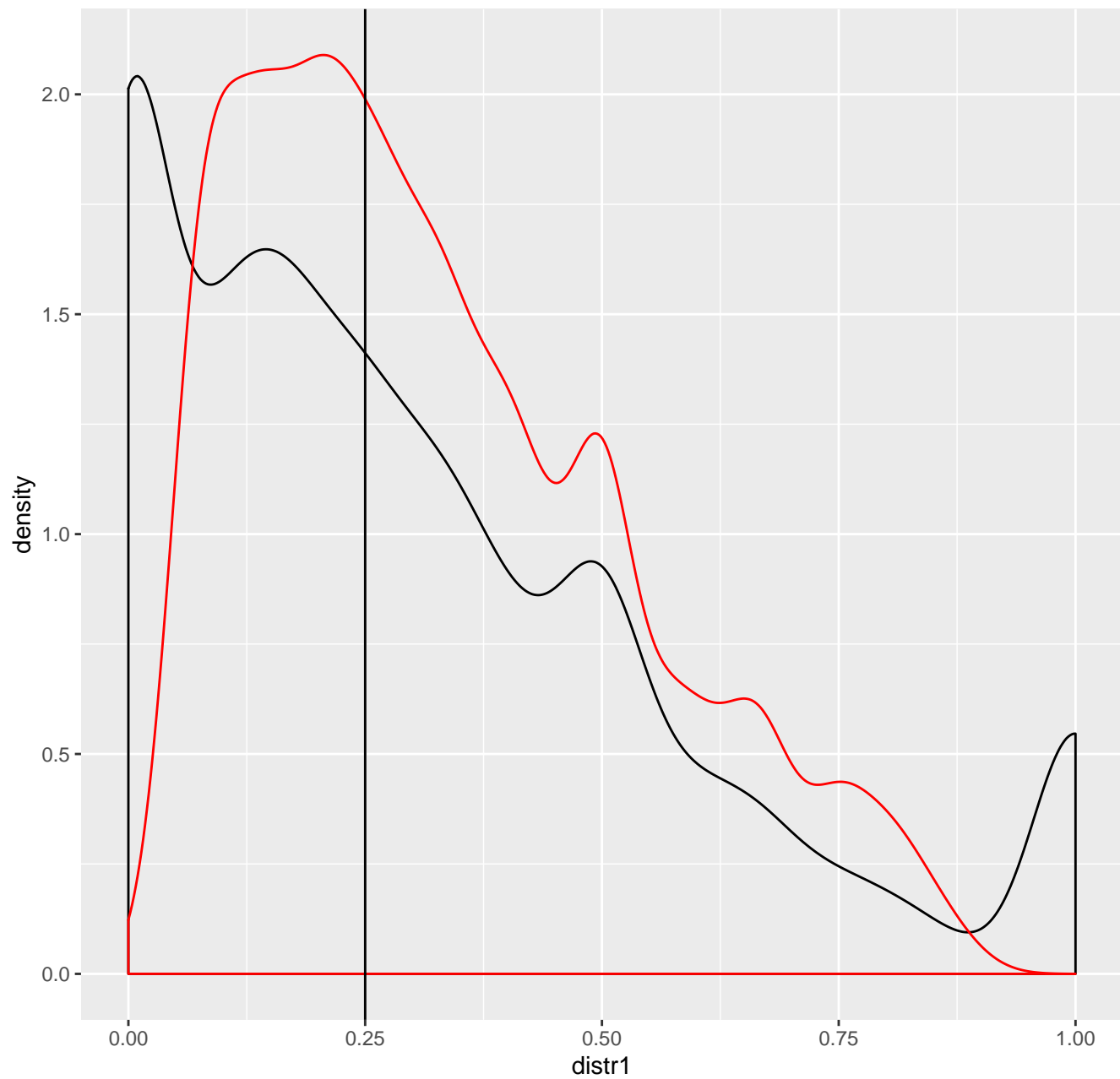
response distribution  $Y|X_1==1 \text{ \& } X_2==0$



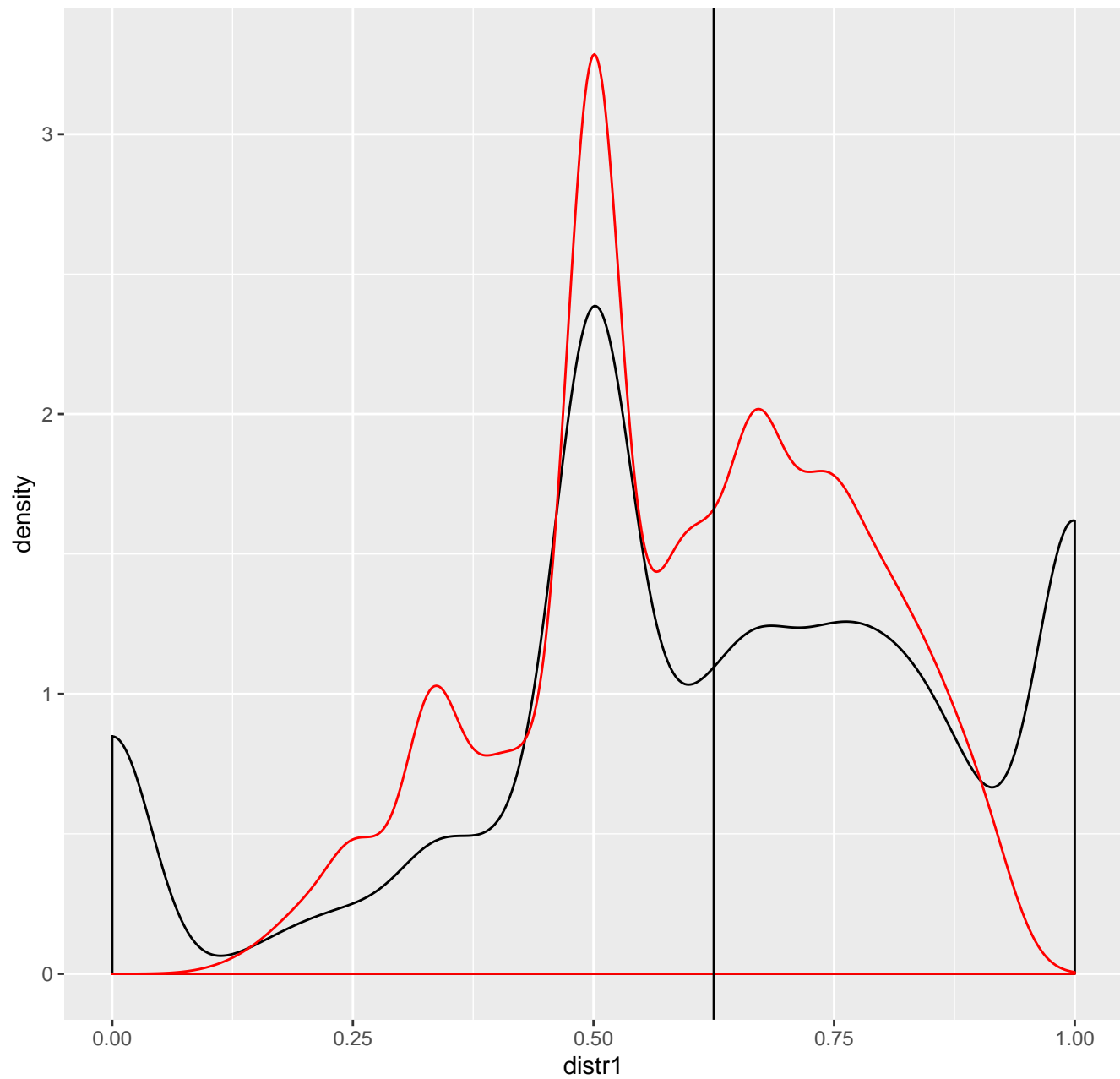
response distribution  $Y|X_1==1 \text{ \& } X_2==1$



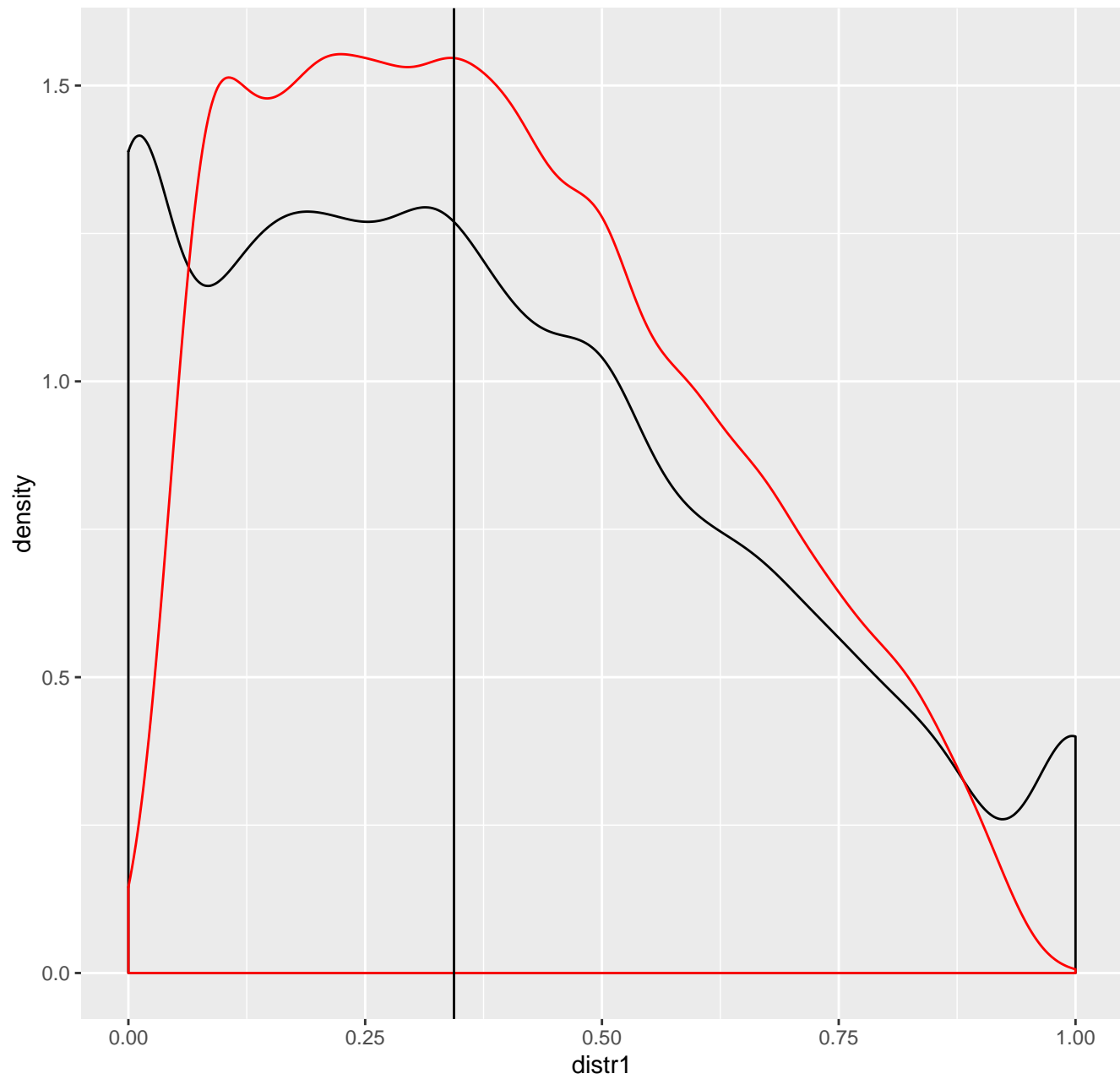
response distribution  $X_2|Y=0$



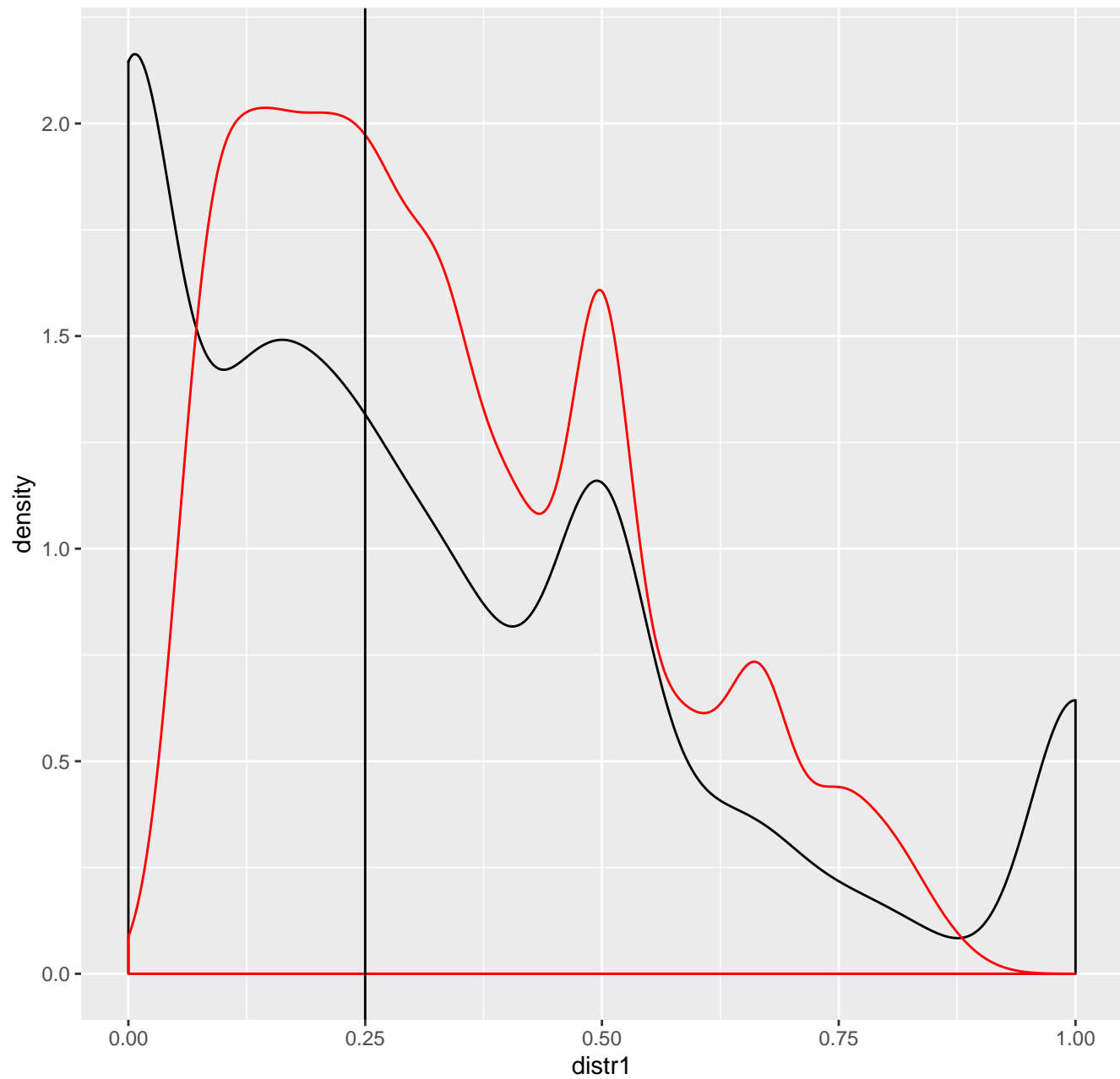
response distribution  $X_2|Y=1$



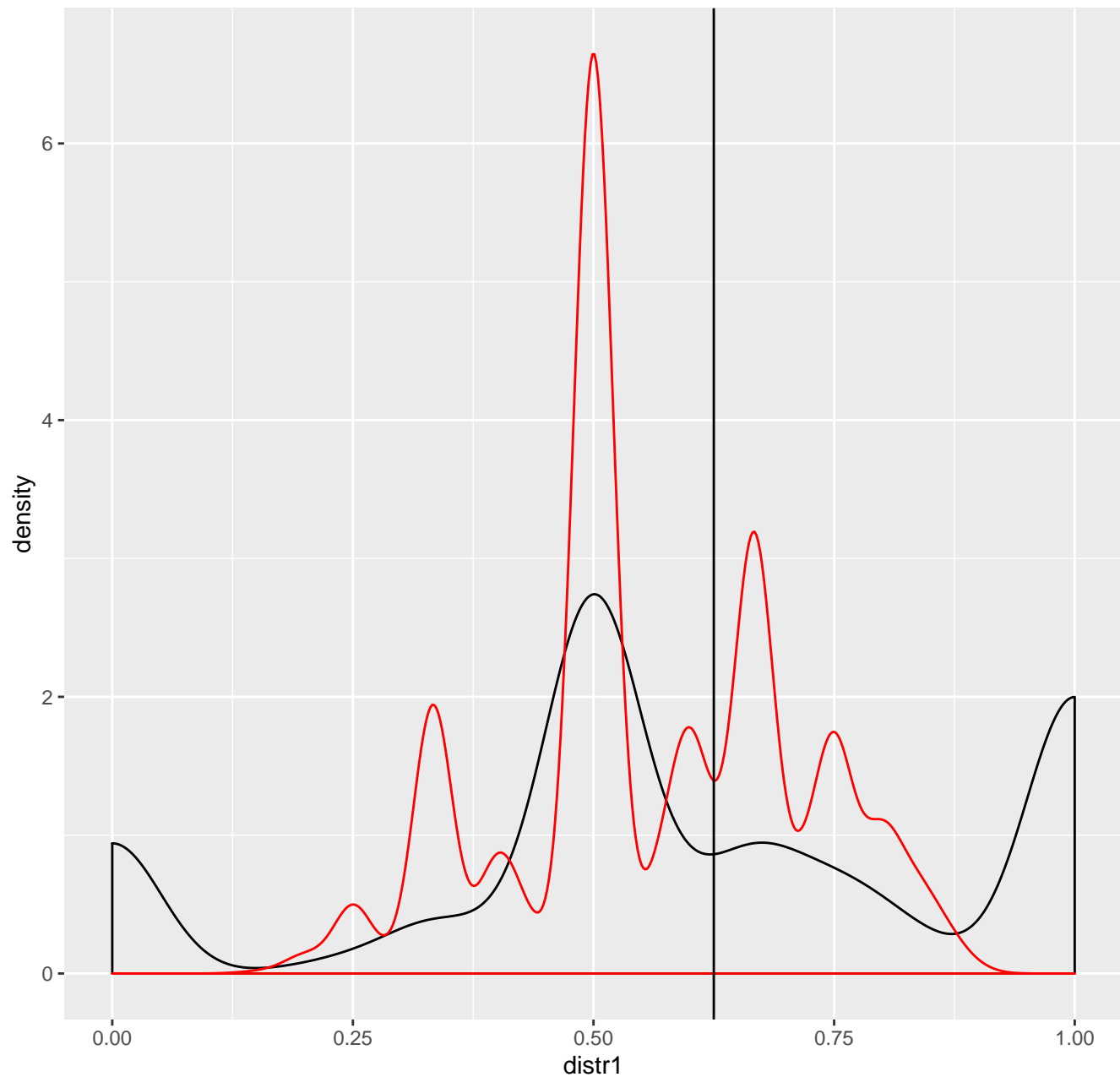
response distribution  $X_2|X_1=0$



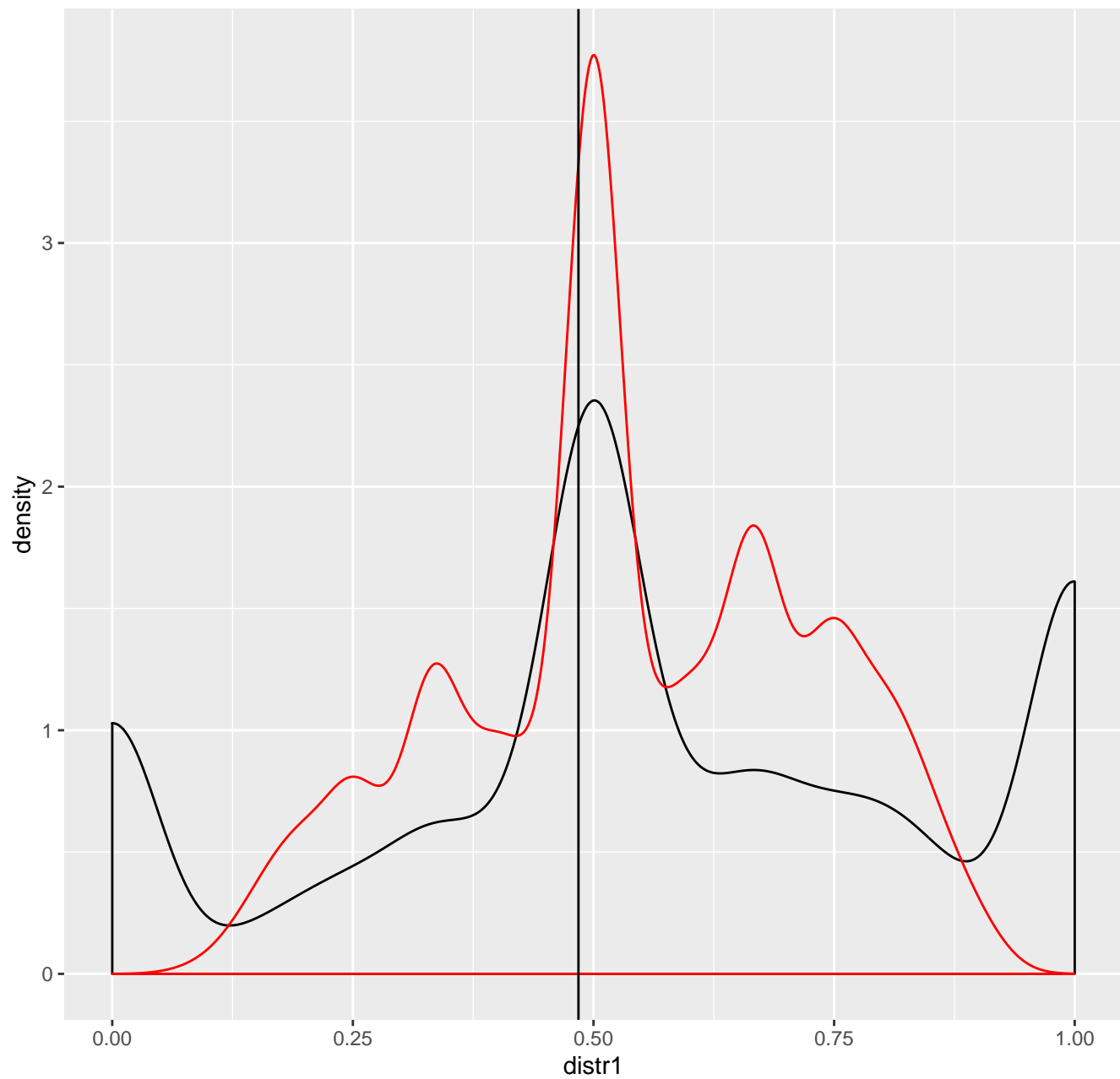
response distribution  $X_2|Y=0 \text{ \& } X_1=0$



response distribution  $X_2|Y==1 \text{ \& } X_1==0$

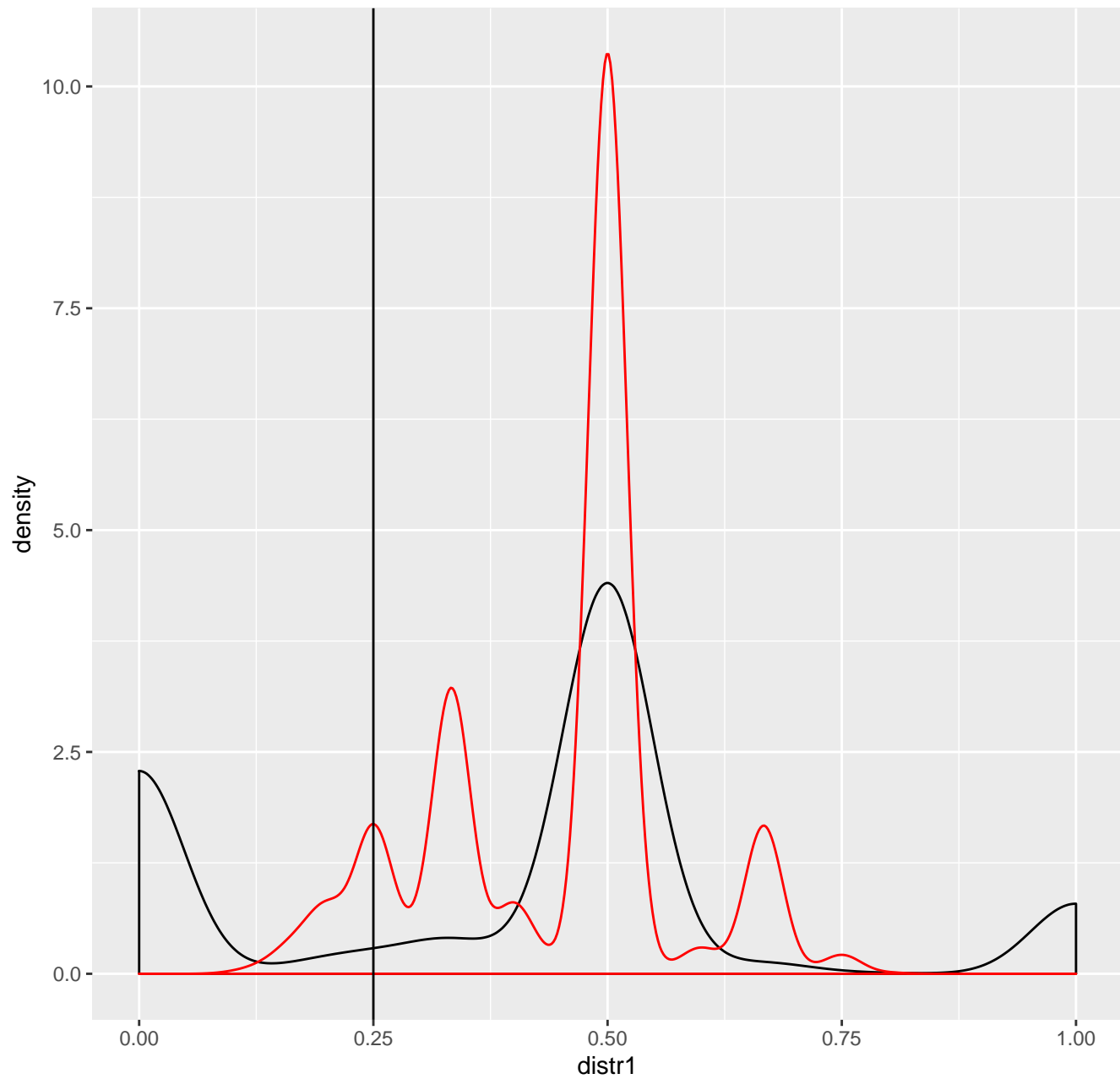


response distribution  $X_2|X_1==1$

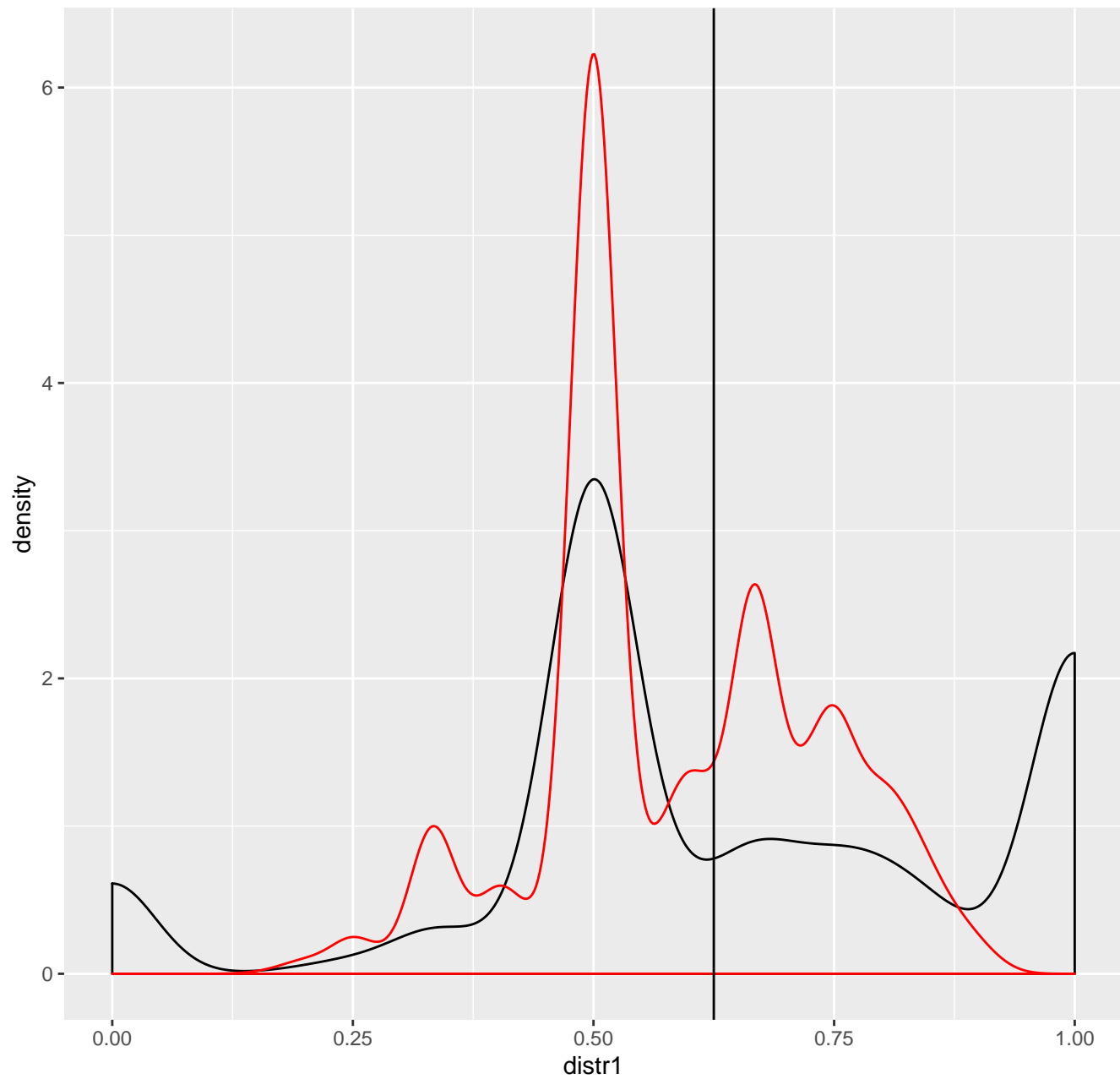




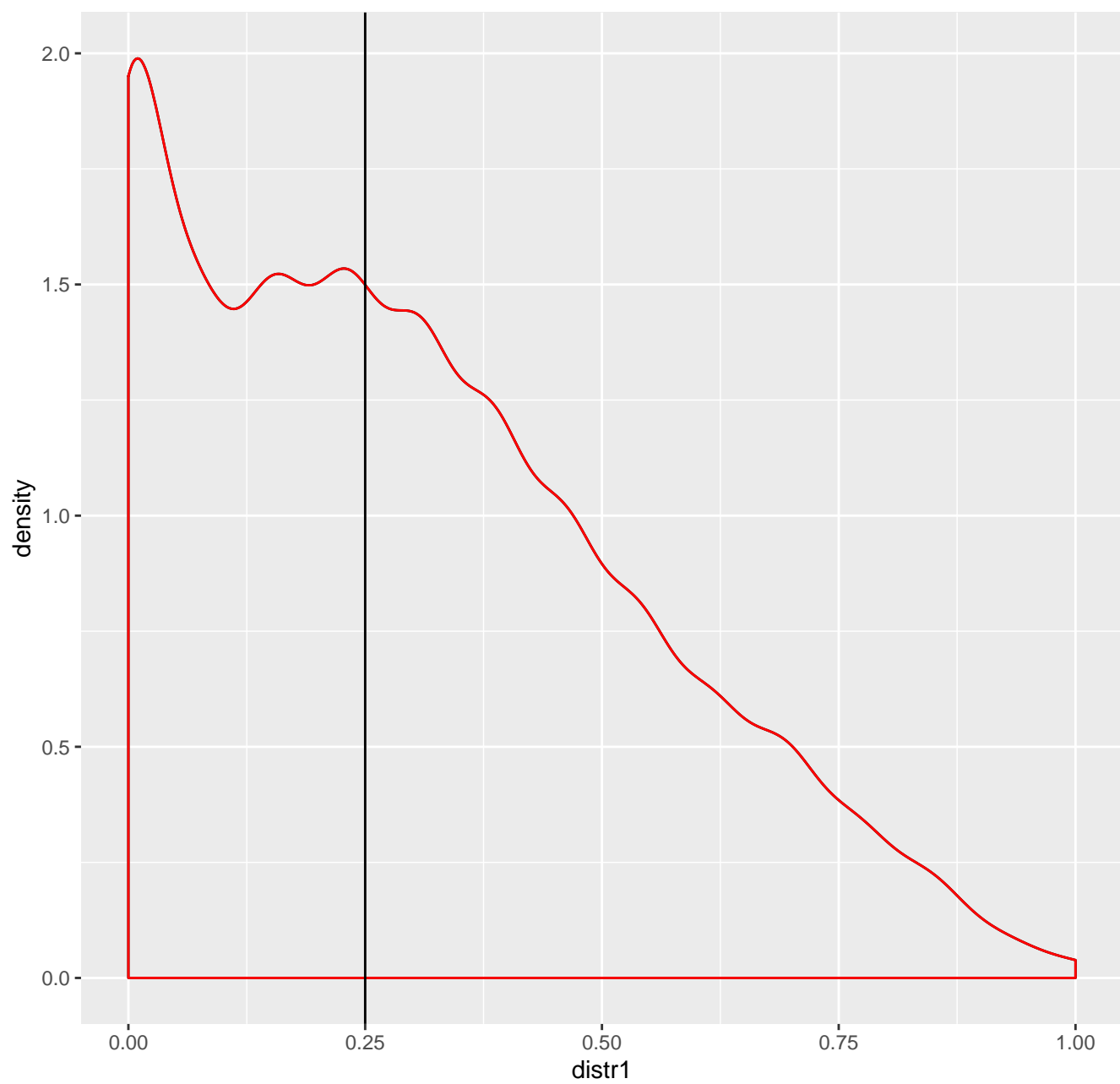
response distribution  $X_2|Y==0$  &  $X_1==1$



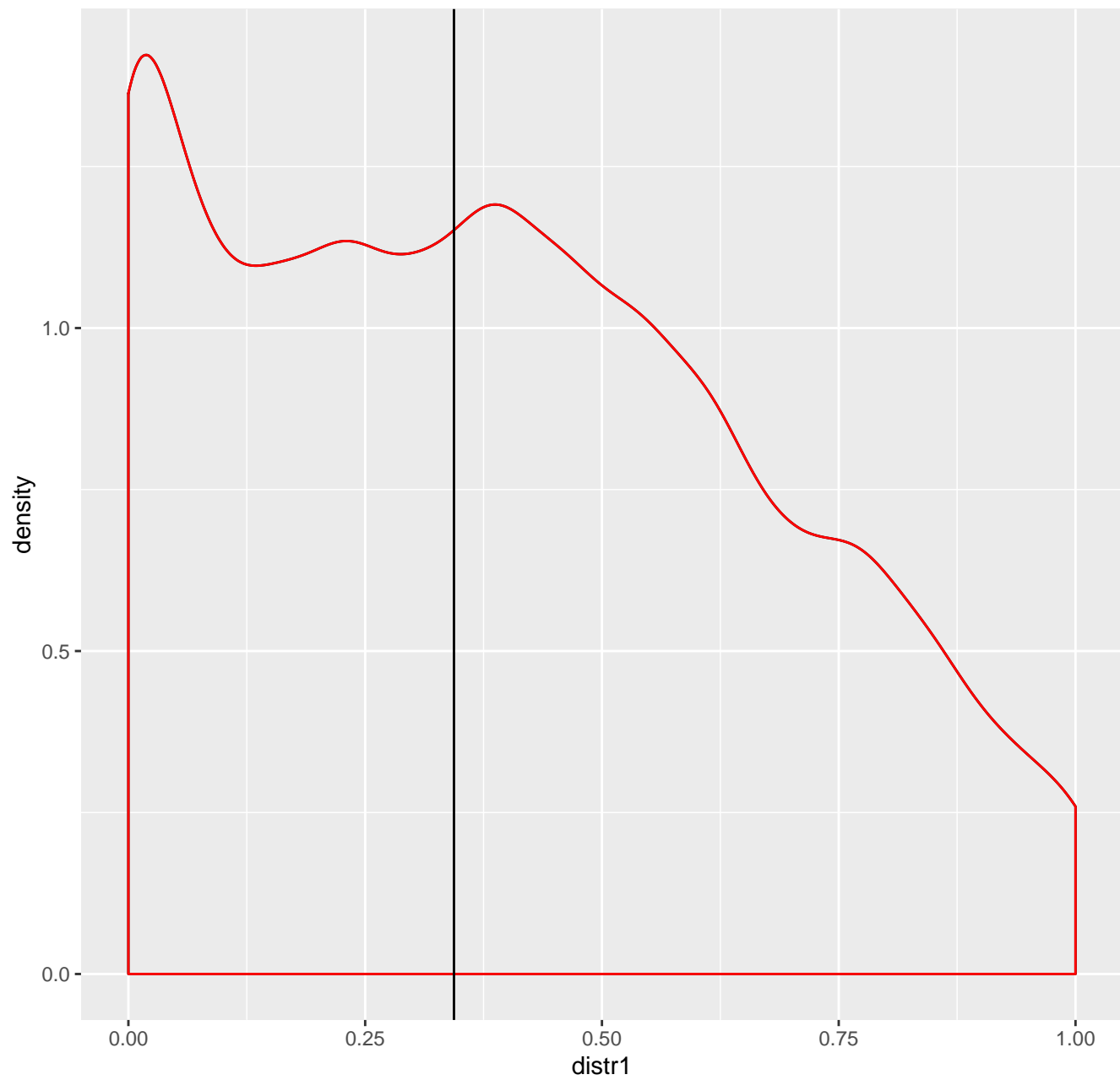
response distribution  $X_2|Y==1$  &  $X_1==1$



response distribution X1



response distribution Y



response distribution X2

