Input parameters (black lines)

model BayesianMS

bias 0.5

nChains 5000

betavar 1

meanChainlen 13

input joint distr

X1	Y	X2	p
1	1	1	0.21875
1	1	0	0.1875
1	0	1	0.03125
1	0	0	0.0625
0	1	1	0.1875
0	1	0	0.125
0	0	1	0.0625
0	0	0	0.125

causal strengths

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

baserates 0.5 0.5 0.5

mean sim joint distr

state	X1	Y	X2	p
1	1	1	1	0.23352242
2	1	1	0	0.16746478
3	1	0	1	0.02915910
4	1	0	0	0.05989624
5	0	1	1	0.16408418
6	0	1	0	0.11948489
7	0	0	1	0.06054473
8	0	0	0	0.16584367

Input parameters (red lines)

model BayesianMS poisson chainlengti

bias 0.5

nChains 5000

betavar 1

meanChainlen 13

input joint distr

X1	Y	X2	p
1	1	1	0.003375
1	1	0	0.019125
1	0	1	0.019125
1	0	0	0.108375
0	1	1	0.019125
0	1	0	0.108375
0	0	1	0.108375
0	0	0	0.614125

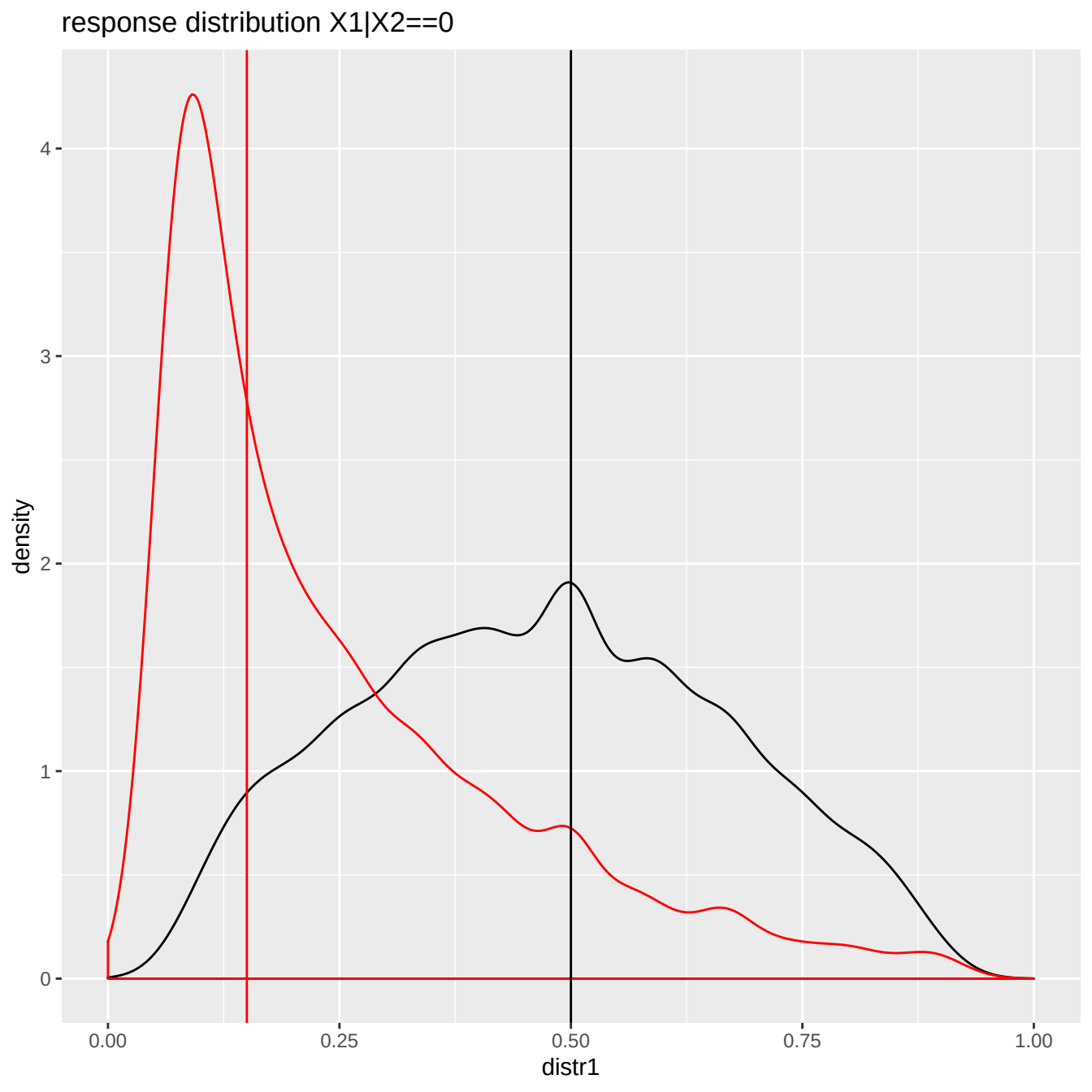
causal strengths

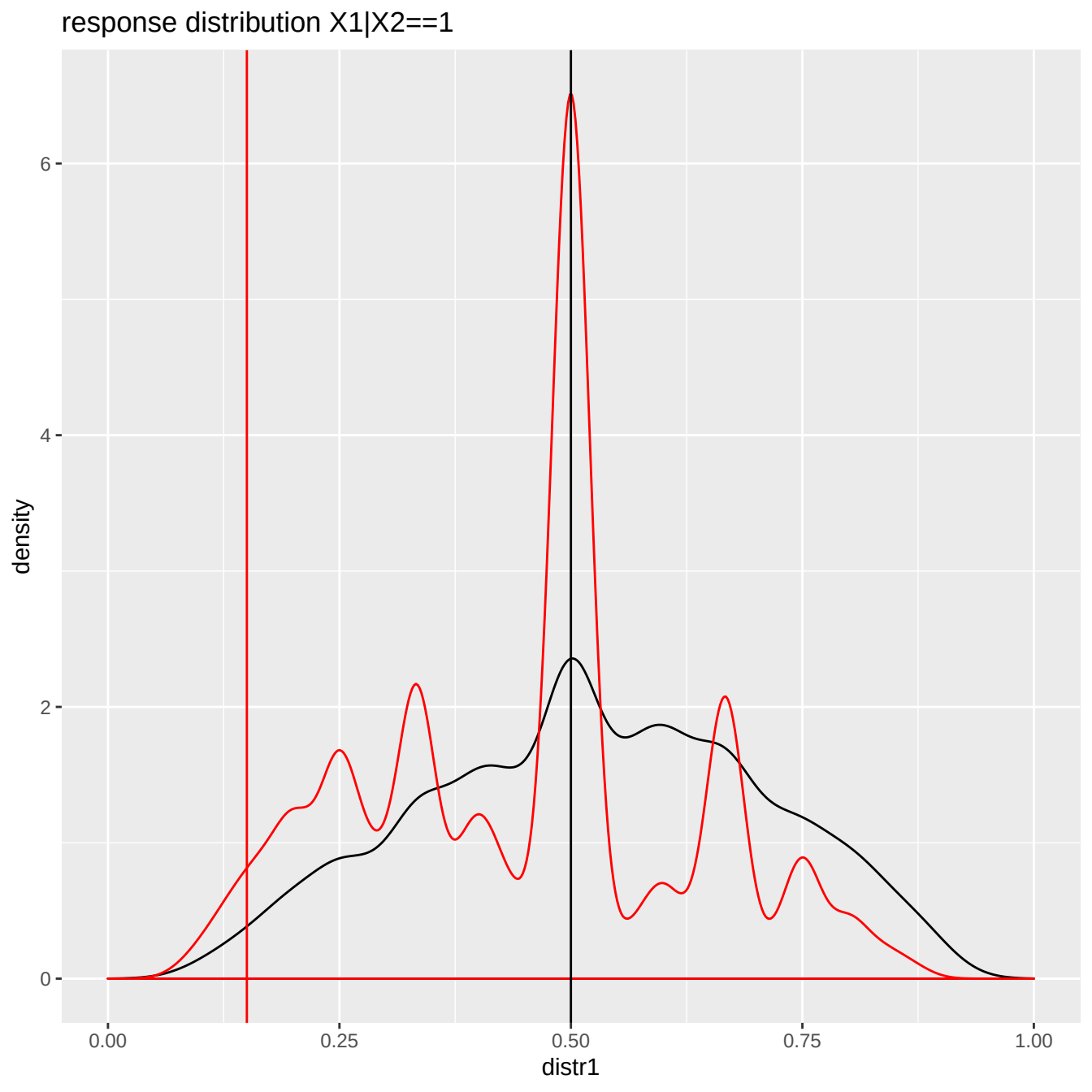
X1	Y	X2
0	0	0
0	0	0
0	0	0

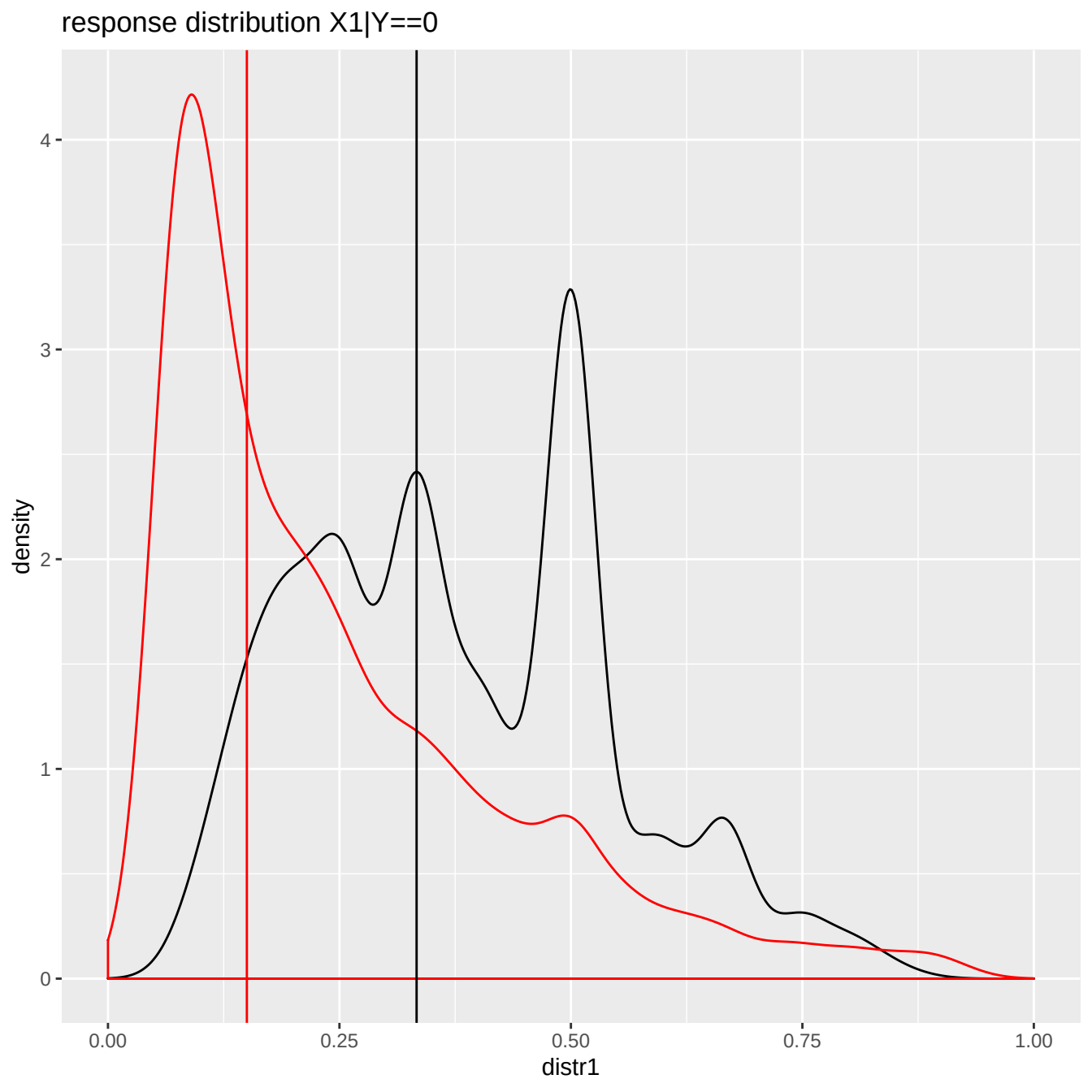
baserates 0.15 0.15 0.15

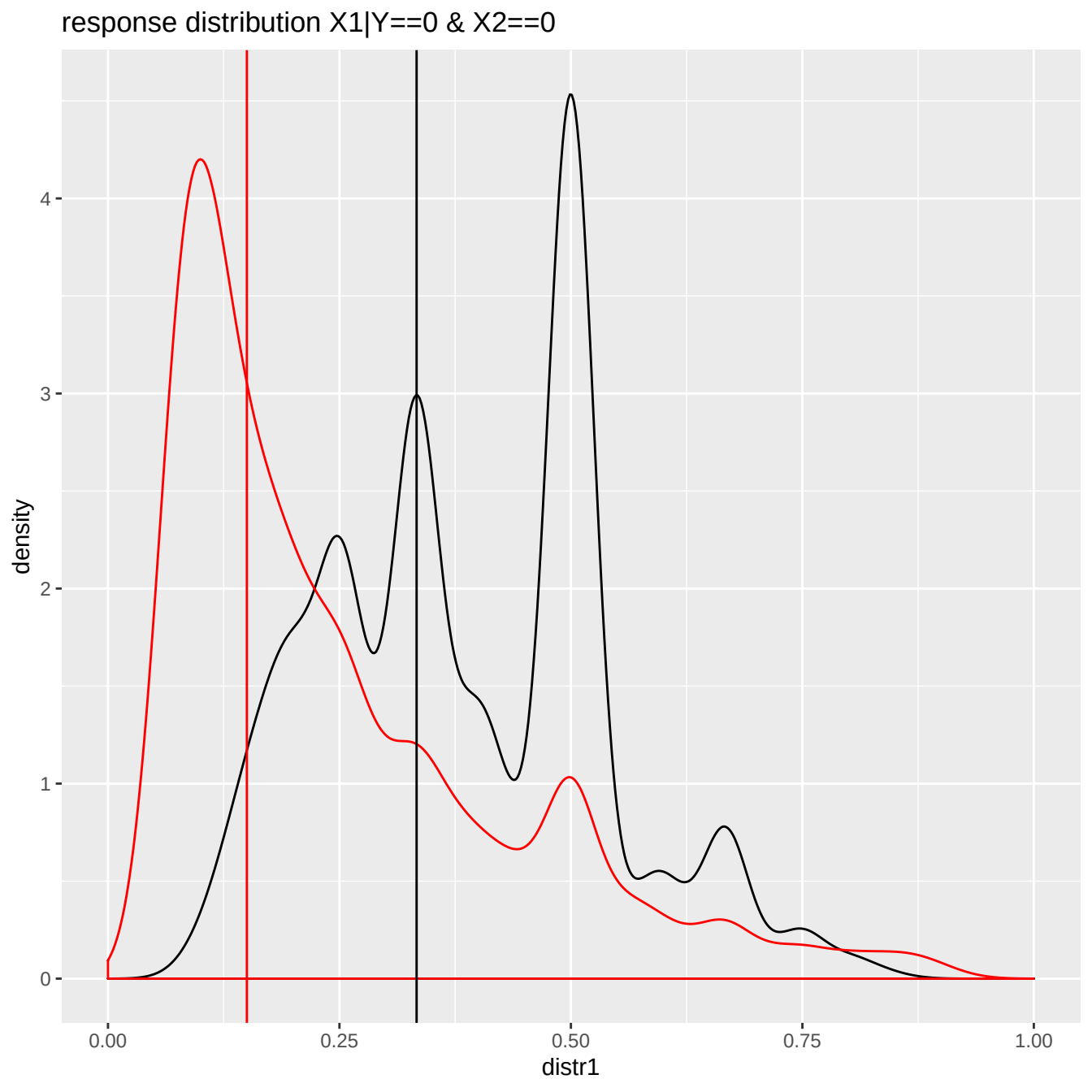
mean sim joint distr

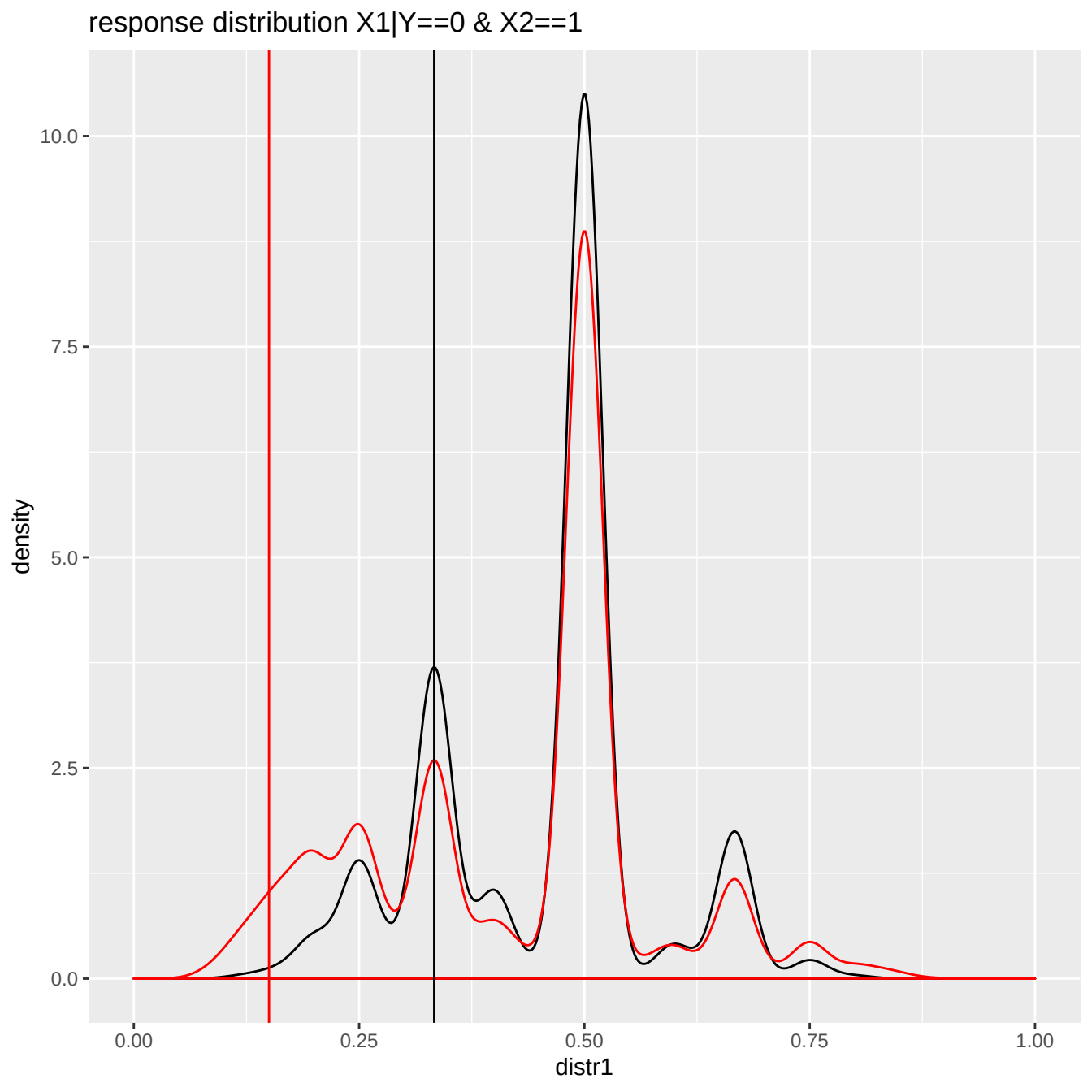
state	X1	Y	X2	p
1	1	1	1	0.04703198
2	1	1	0	0.03625958
3	1	0	1	0.03726984
4	1	0	0	0.10513661
5	0	1	1	0.03758176
6	0	1	0	0.10140728
7	0	0	1	0.10627517
8	0	0	0	0.52903779

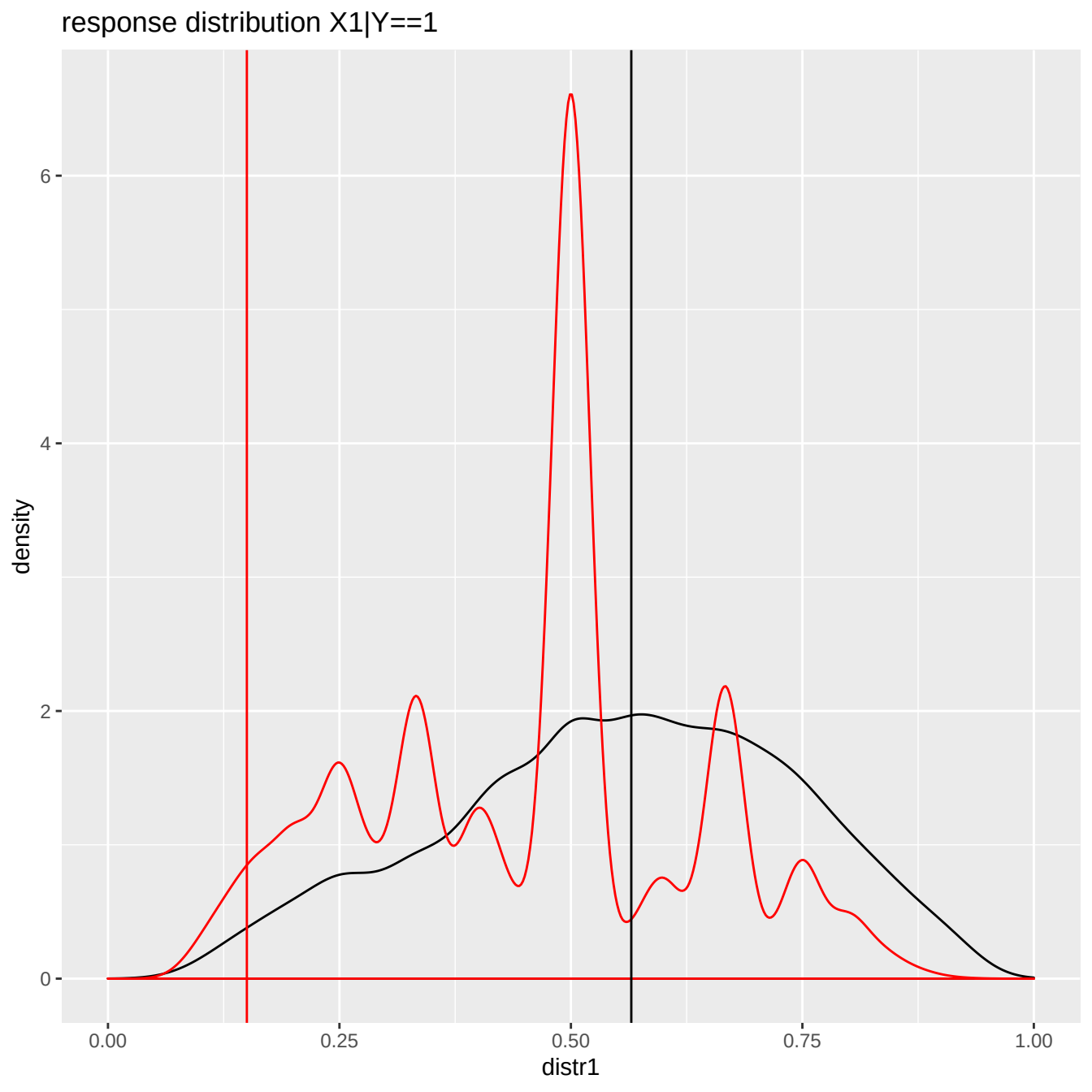

response distribution X1|X2==0
density
4
3
2
1
0
0.00
0.25
0.50
0.75
1.00
distr1

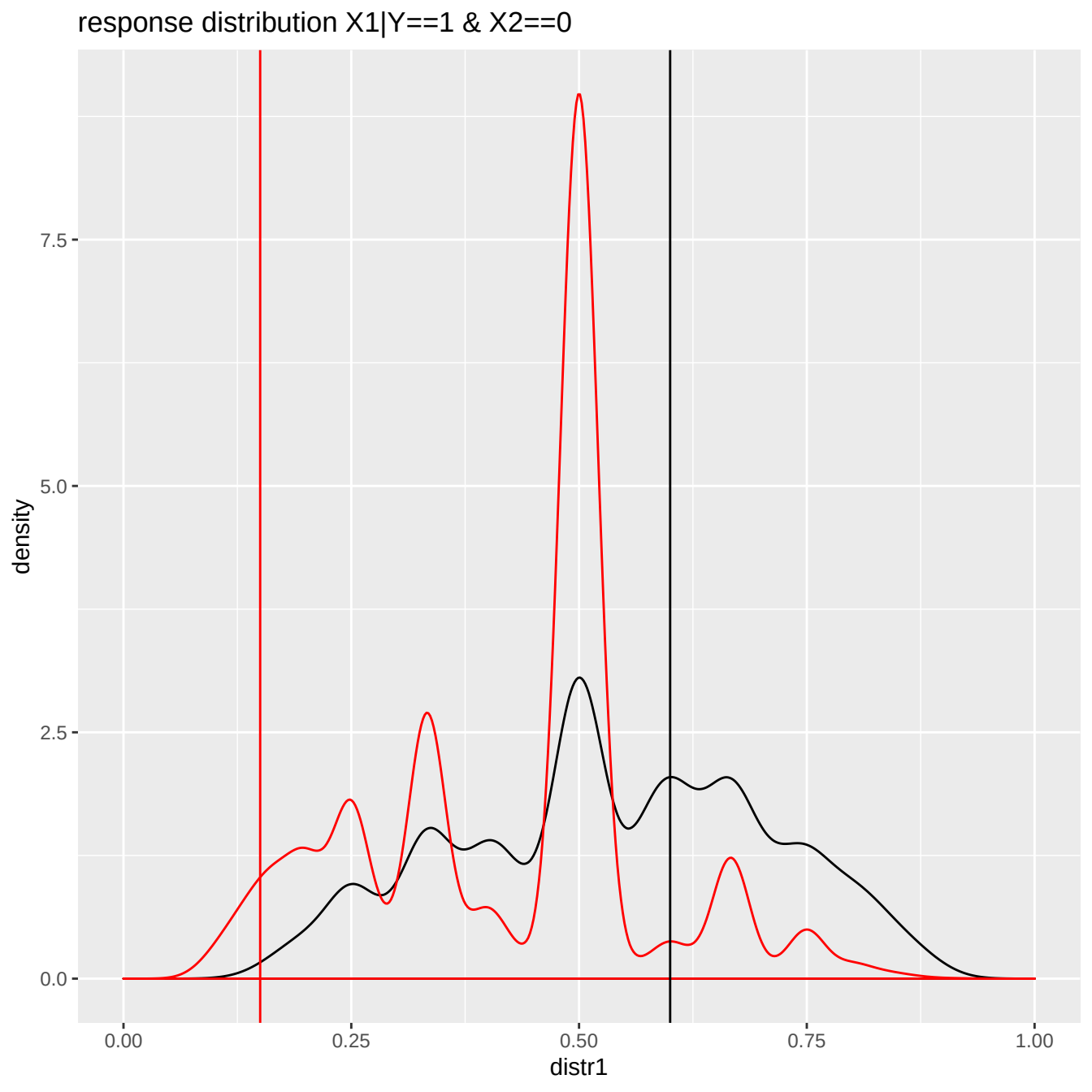

response distribution X1|X2==1
density
6
4
2
0
0.00
0.25
0.50
0.75
1.00
distr1

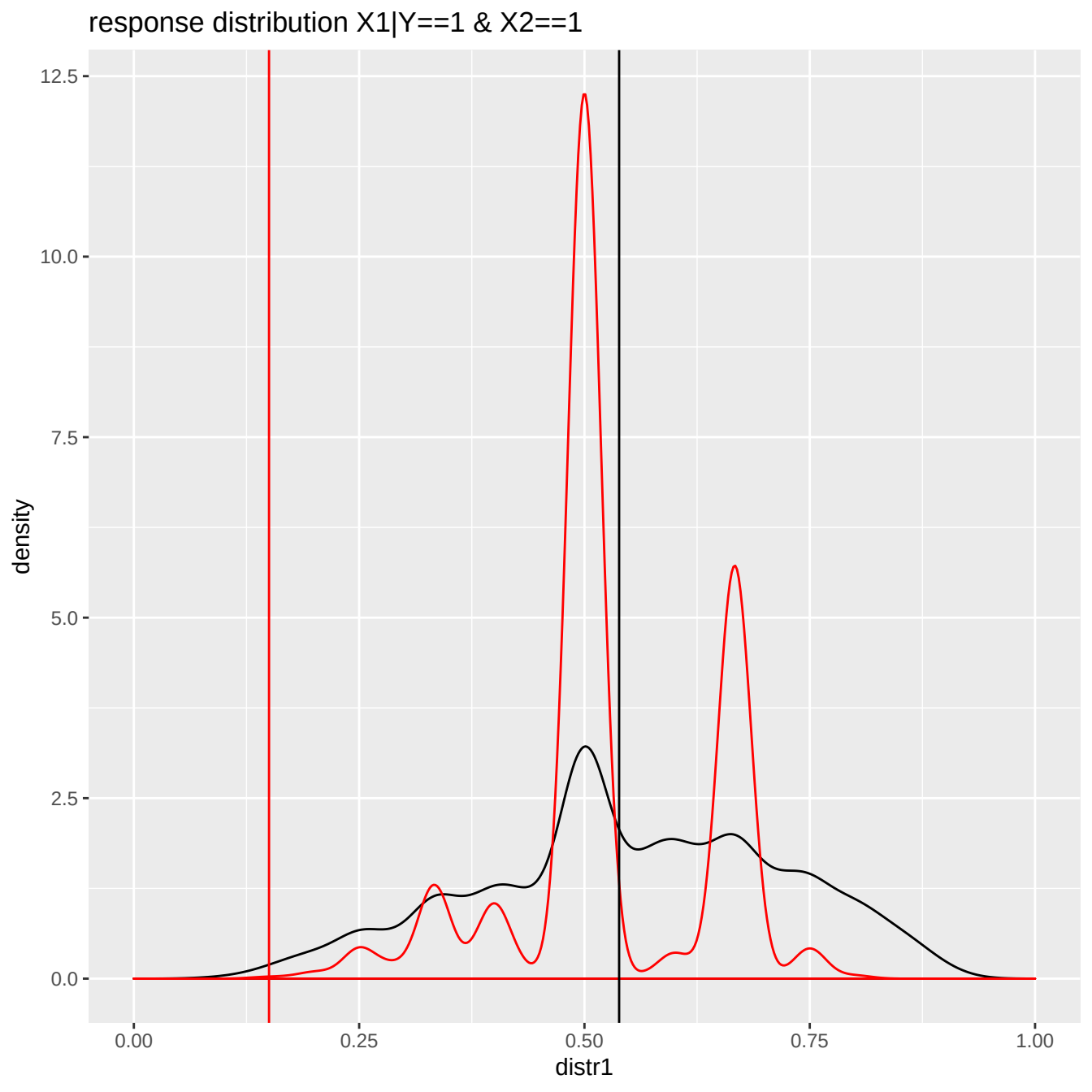

response distribution X1|Y==0
density
4
3
2
1
0
0.00
0.25
0.50
0.75
1.00
distr1

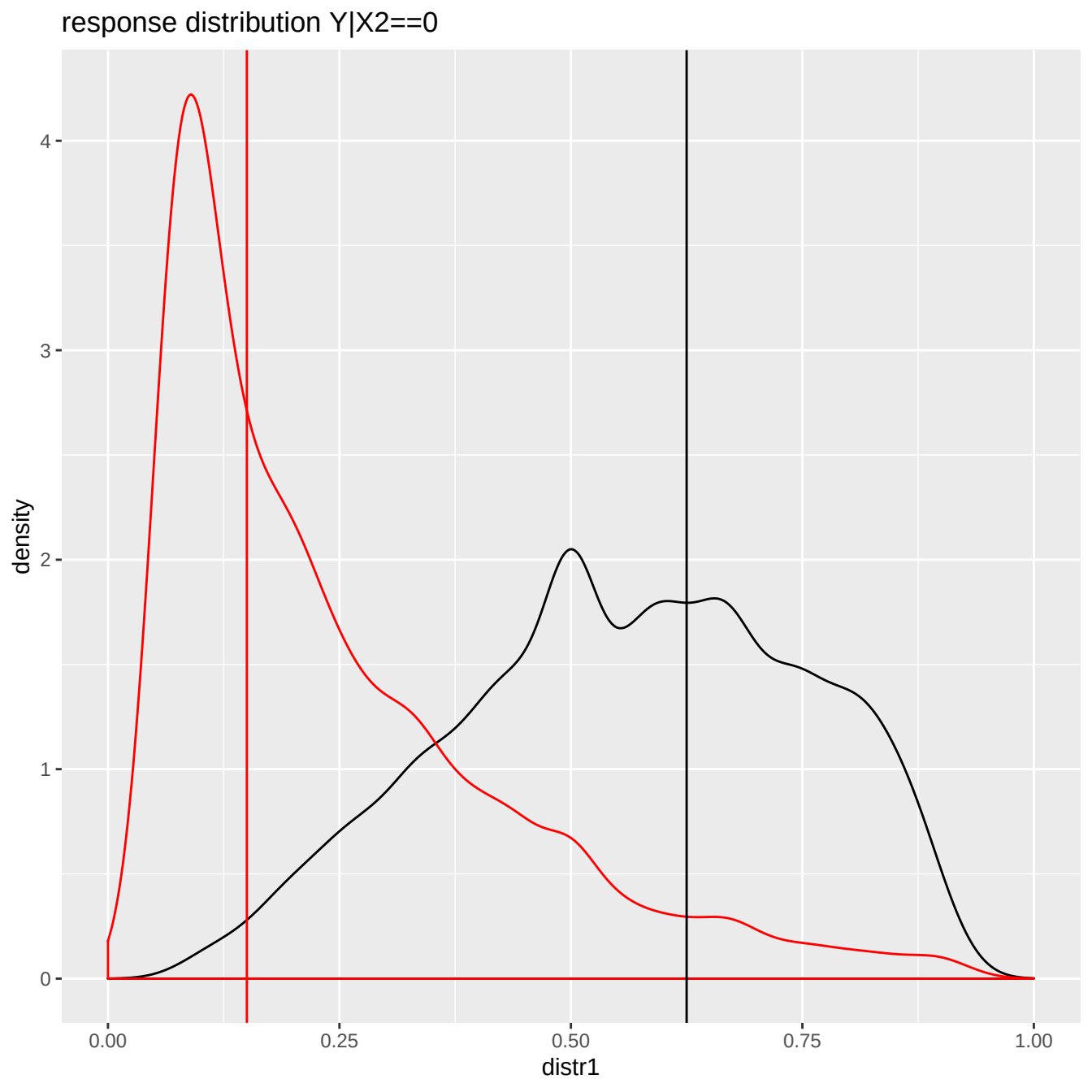

response distribution X1|Y==0 & X2==0
density
distr1
0
1
2
3
4
0.00
0.25
0.50
0.75
1.00

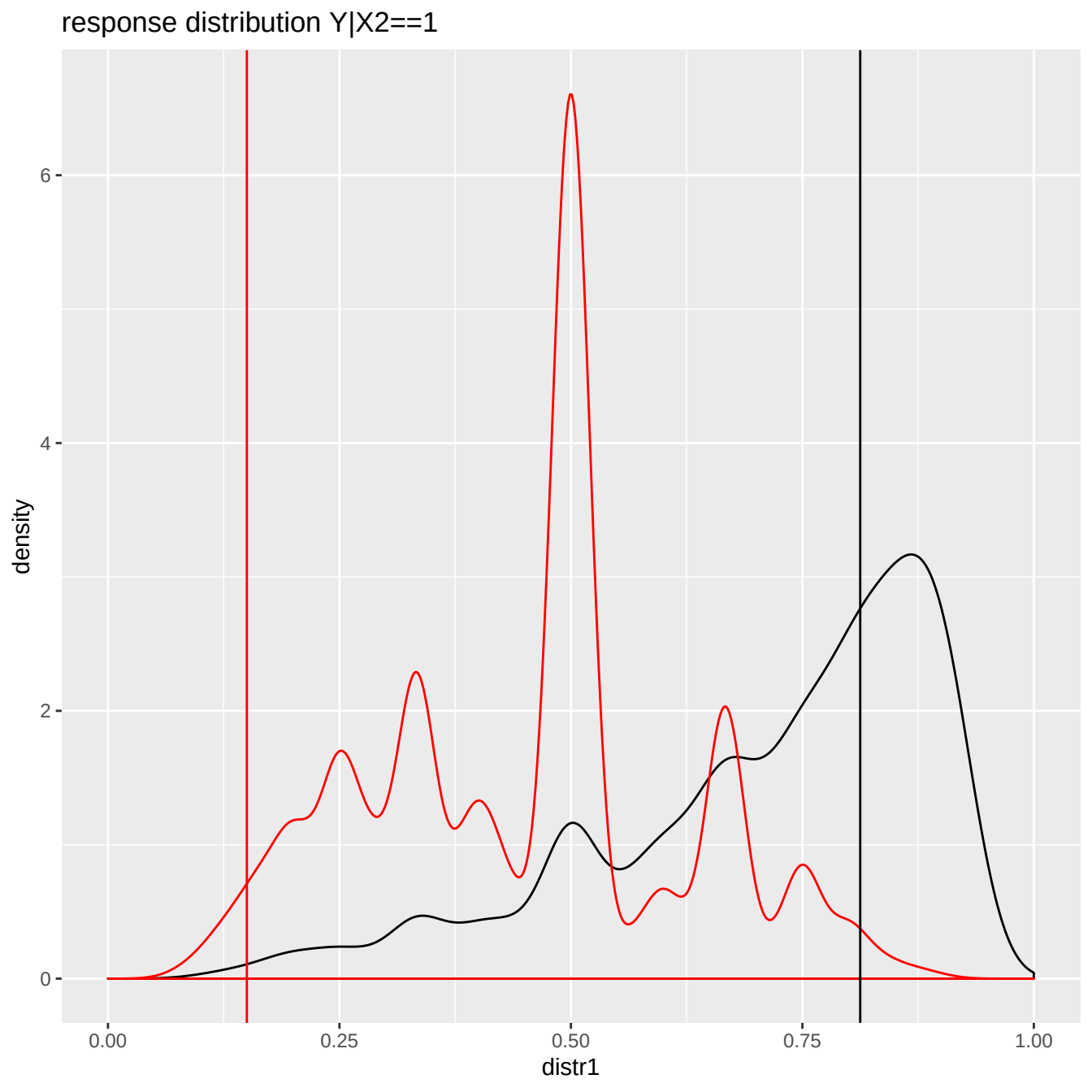

response distribution X1|Y==0 & X2==1
density
10.0
7.5
5.0
2.5
0.0
0.00
0.25
0.50
0.75
1.00
distr1

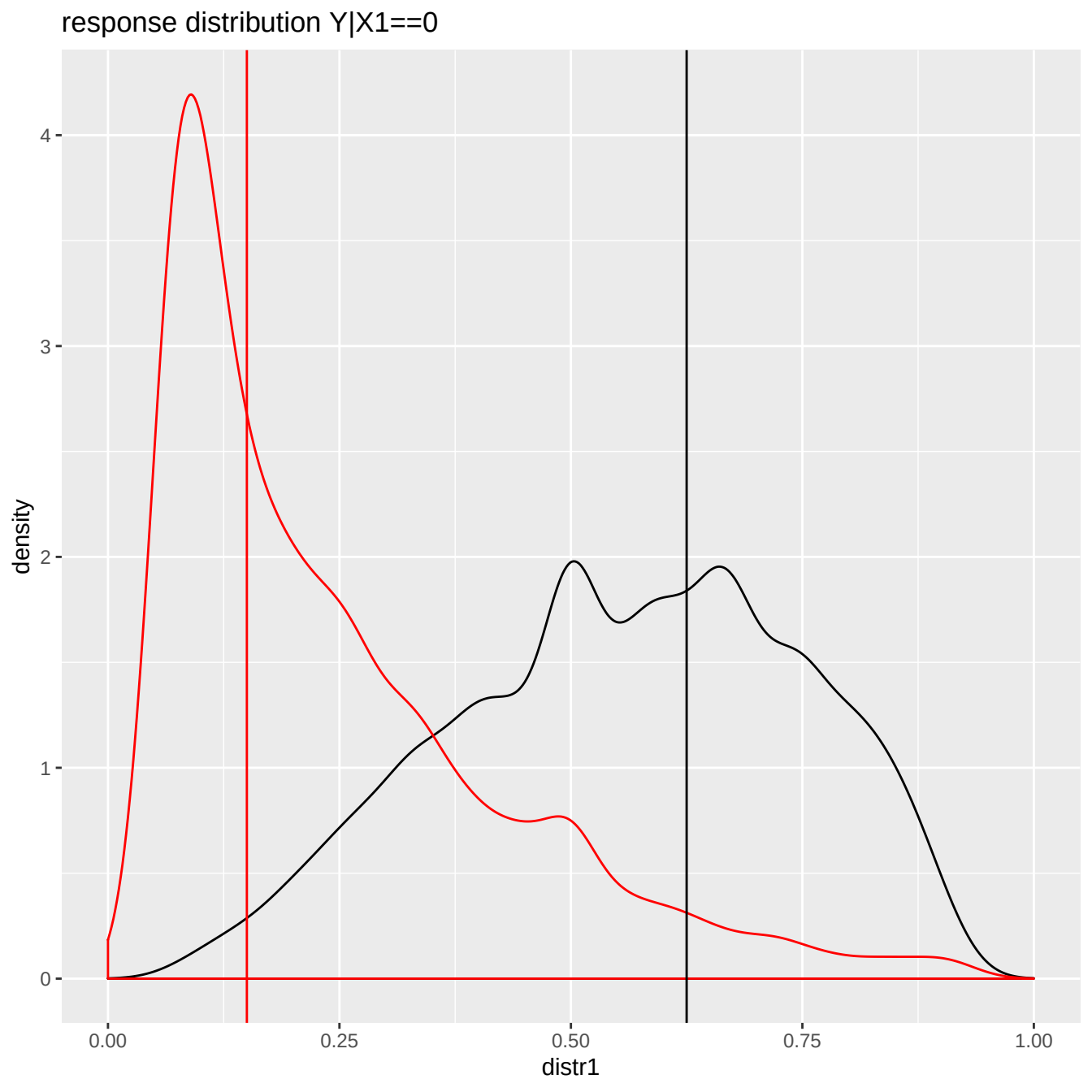

response distribution X1|Y==1
density
6
4
2
0
0.00
0.25
0.50
0.75
1.00
distr1

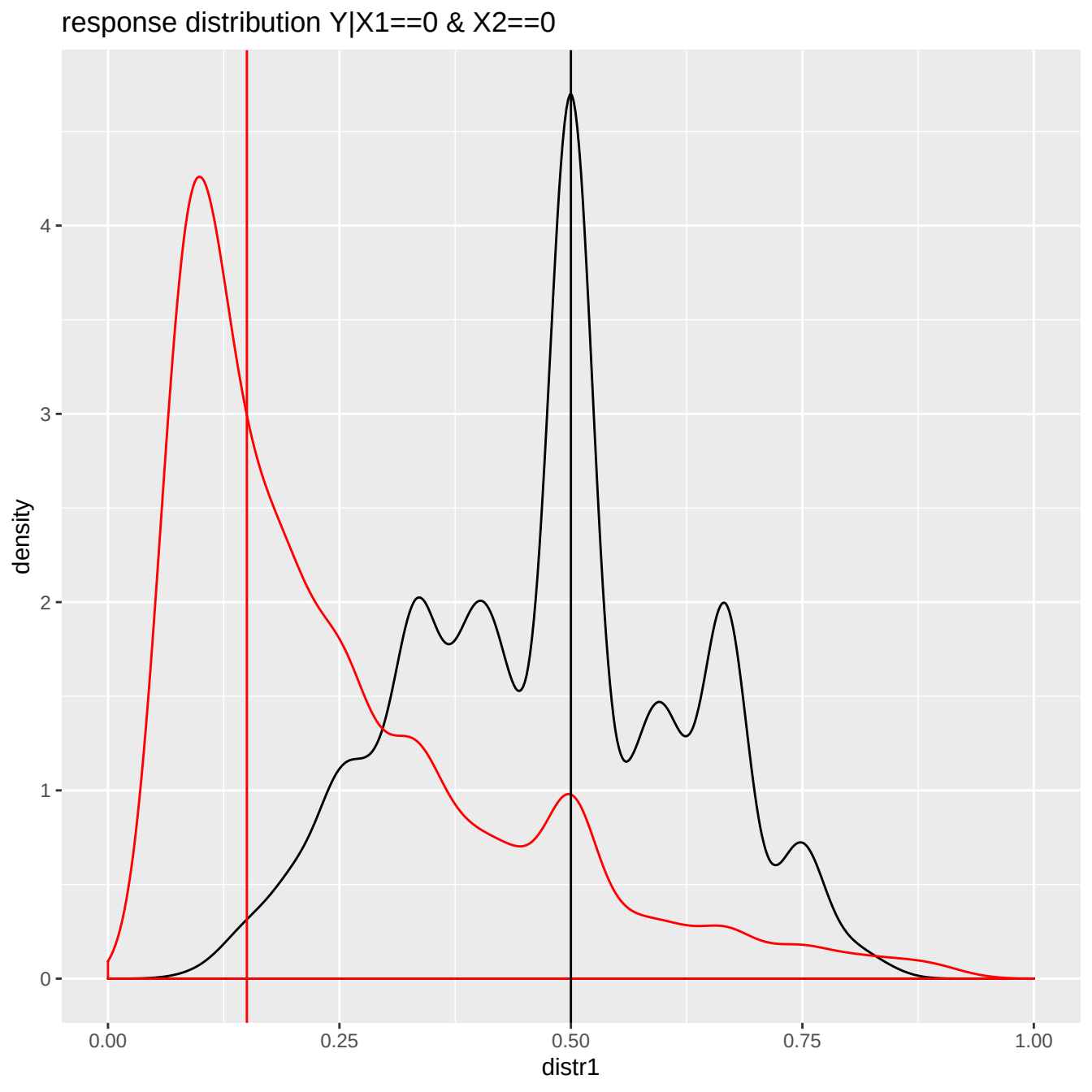

response distribution X1|Y==1 & X2==0
density
7.5
5.0
2.5
0.0
0.00
0.25
0.50
0.75
1.00
distr1

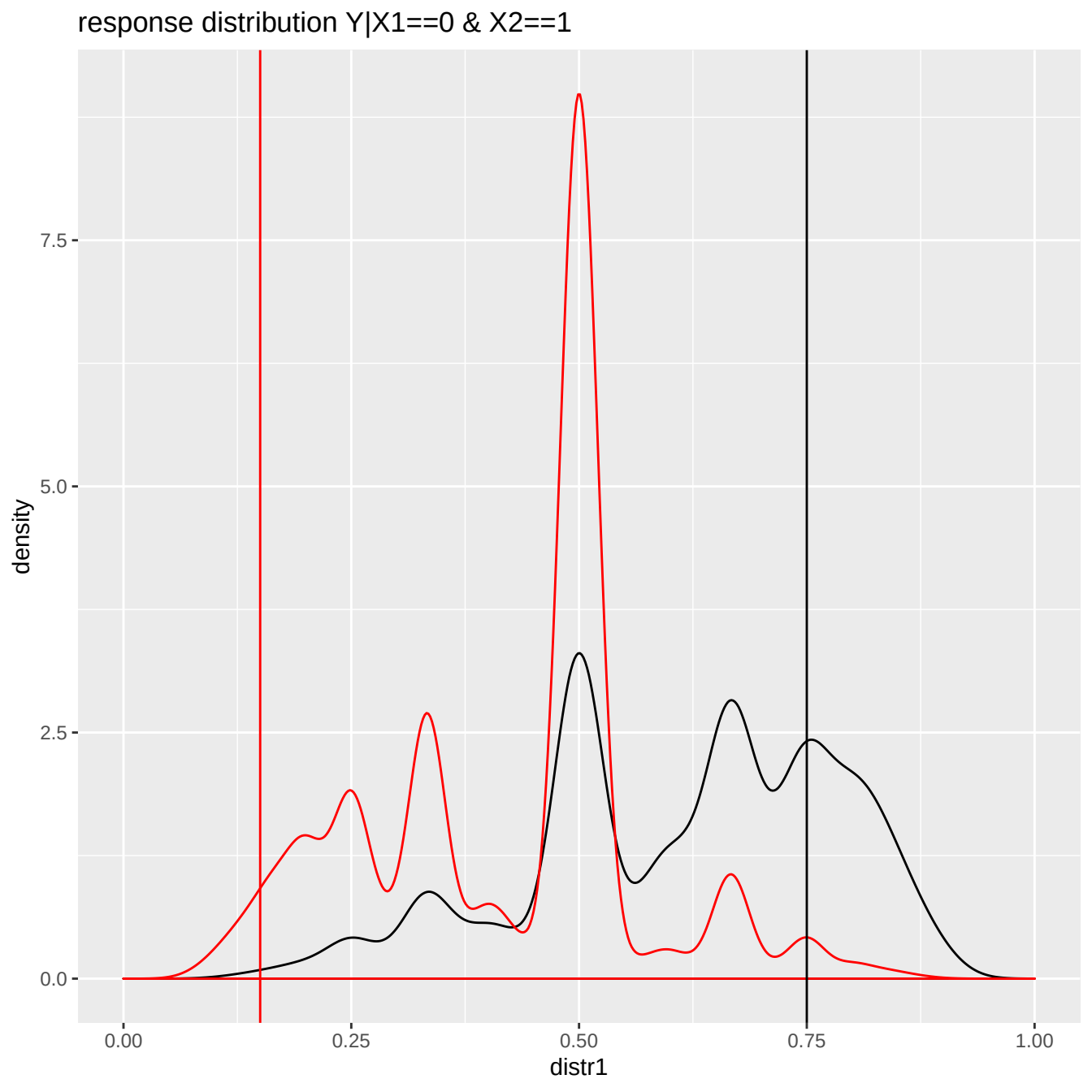

response distribution X1|Y==1 & X2==1
12.5
10.0
7.5
5.0
2.5
0.0
density
0.00
0.25
0.50
0.75
1.00
distr1

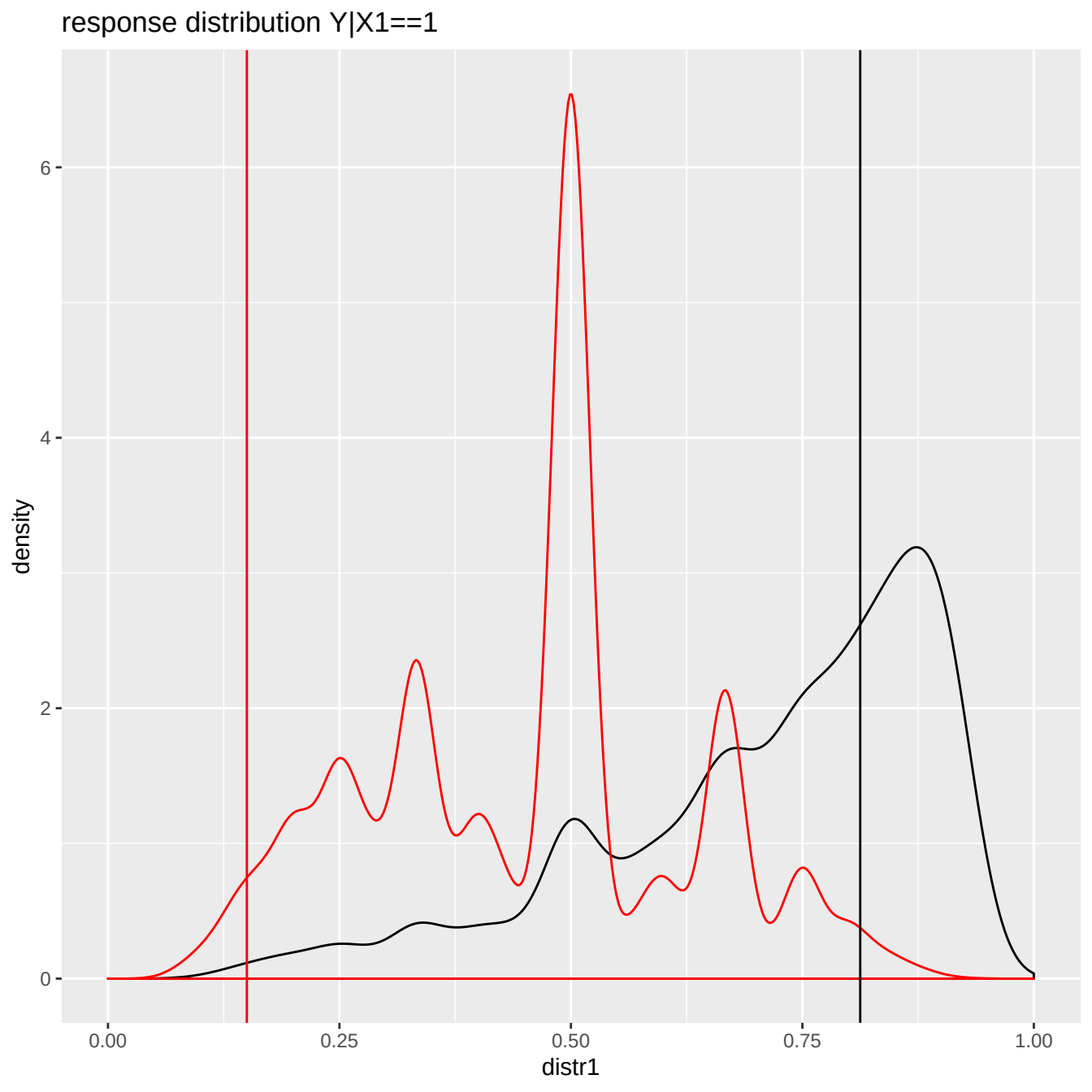

response distribution Y|X2==0
density
4
3
2
1
0
0.00
0.25
0.50
0.75
1.00
distr1

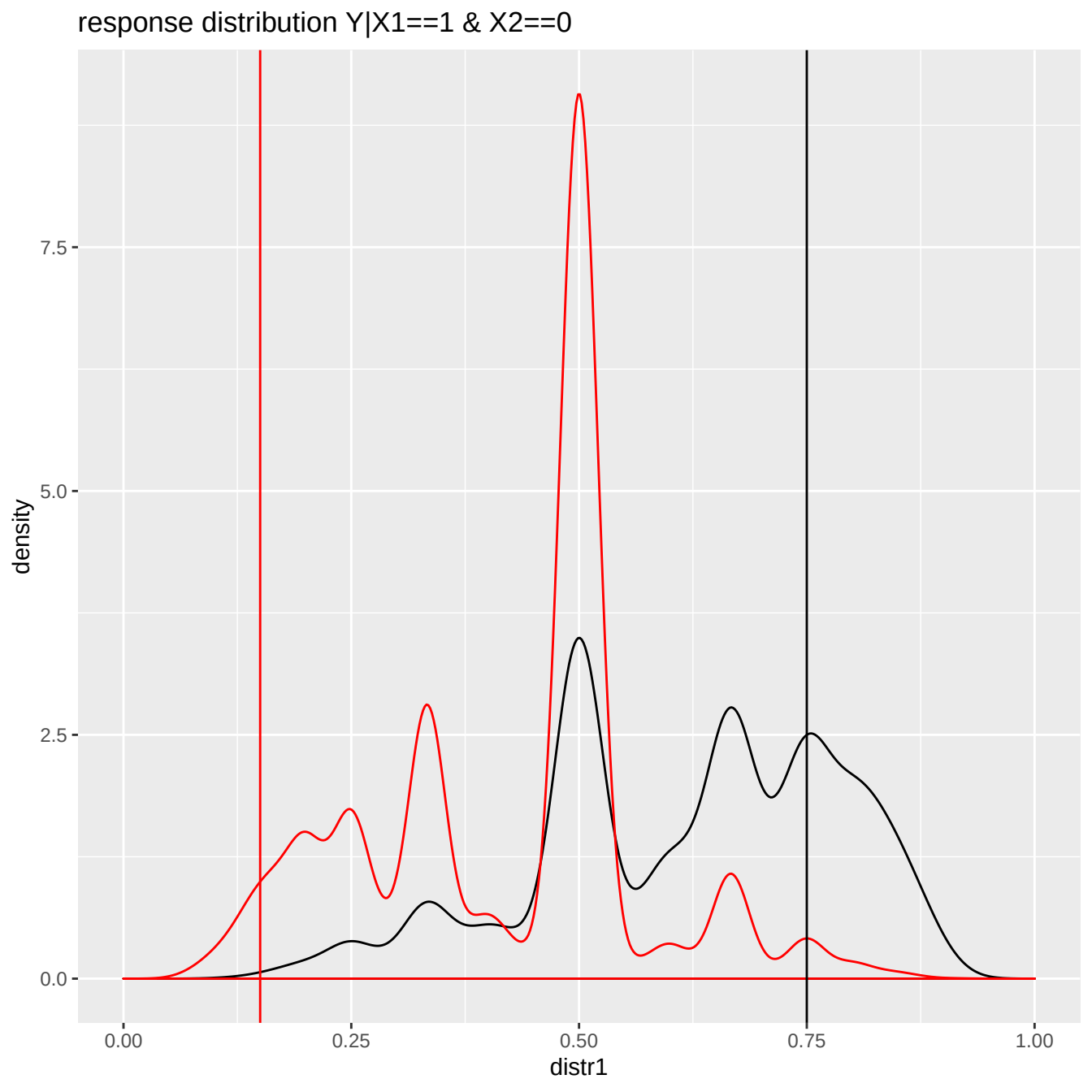

response distribution Y|X2==1
density
6
4
2
0
0.00
0.25
0.50
0.75
1.00
distr1

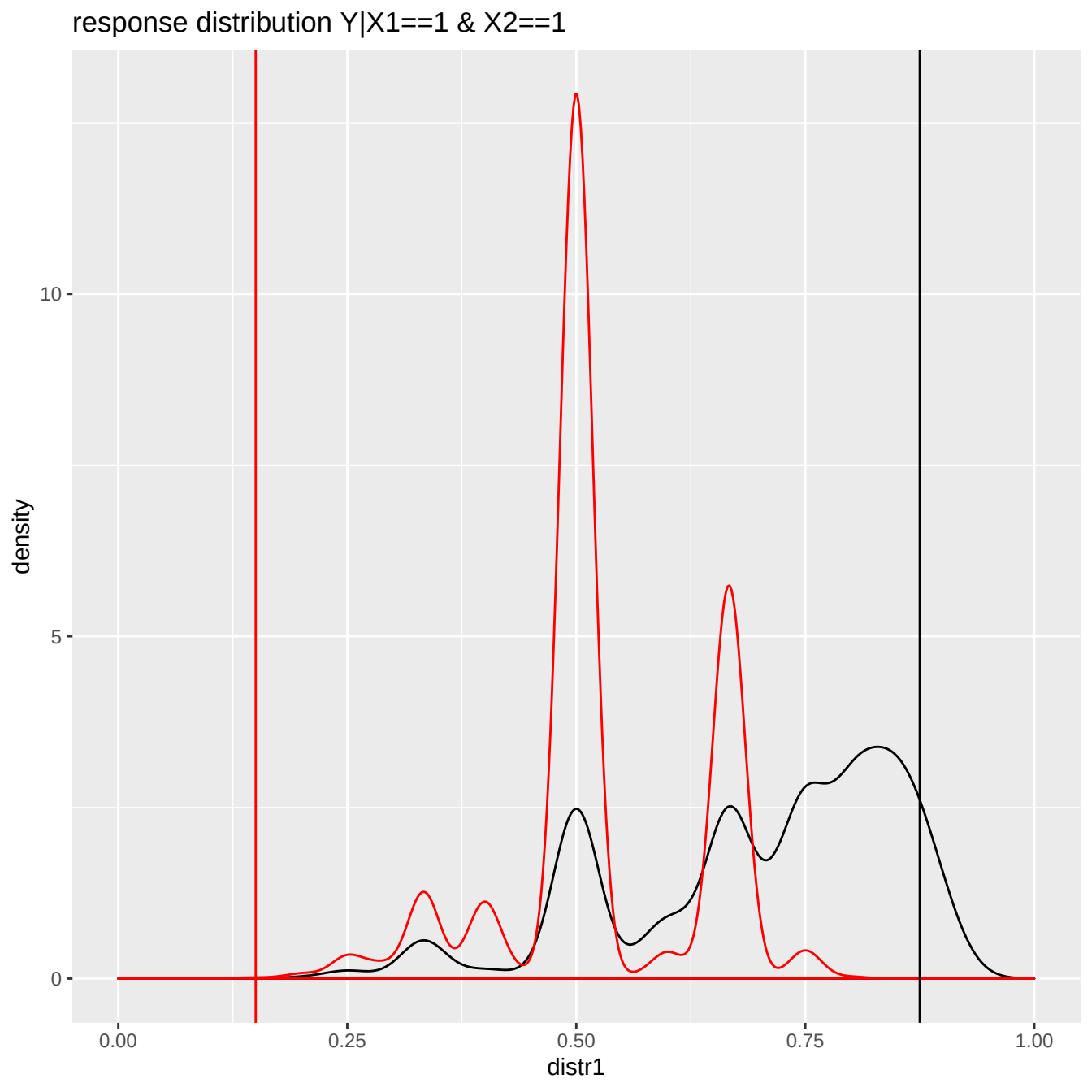

response distribution Y|X1==0
density
4
3
2
1
0
0.00
0.25
0.50
0.75
1.00
distr1

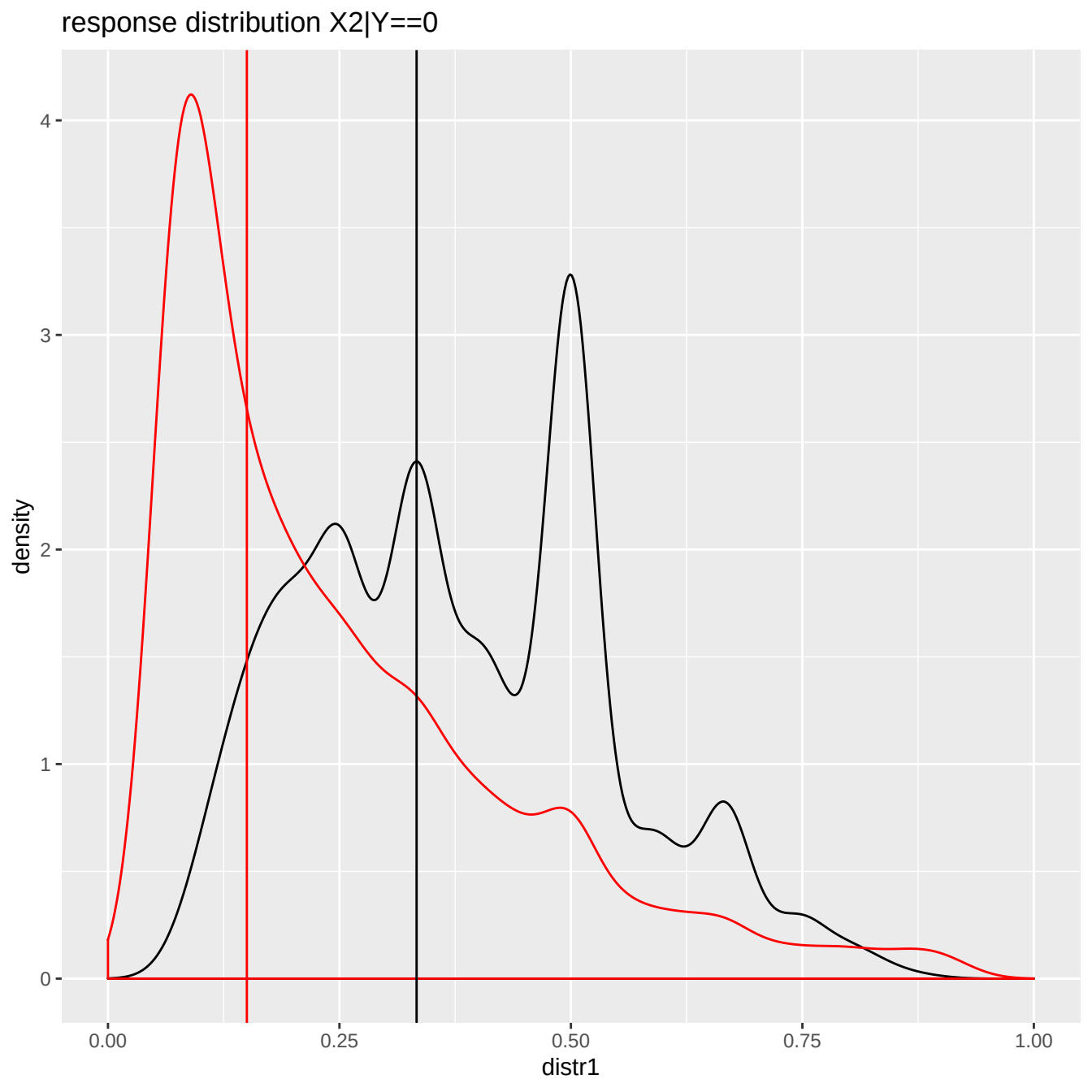

response distribution Y|X1==0 & X2==0
density
4
3
2
1
0
0.00
0.25
0.50
0.75
1.00
distr1

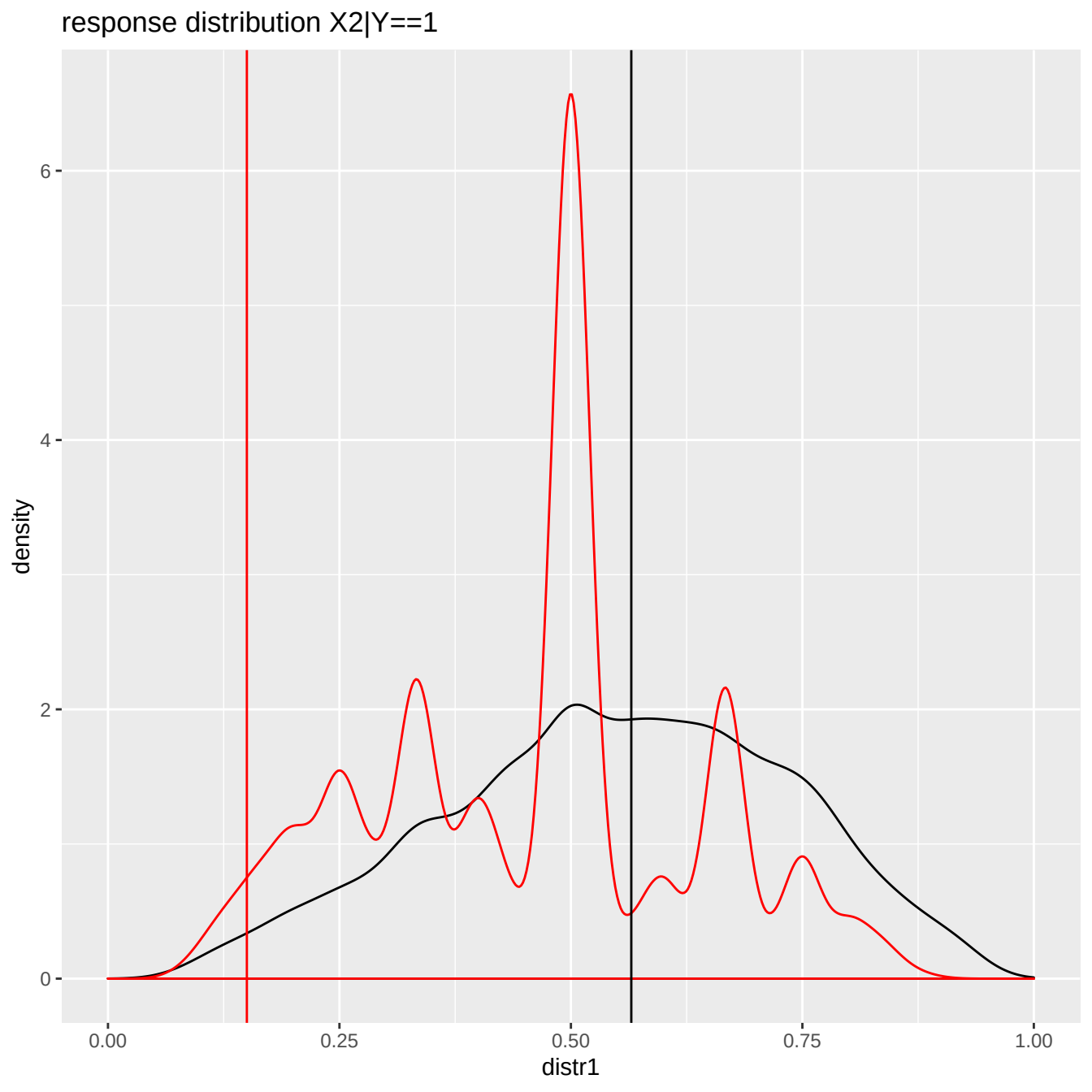

response distribution Y|X1==0 & X2==1
density
7.5
5.0
2.5
0.0
0.00
0.25
0.50
0.75
1.00
distr1

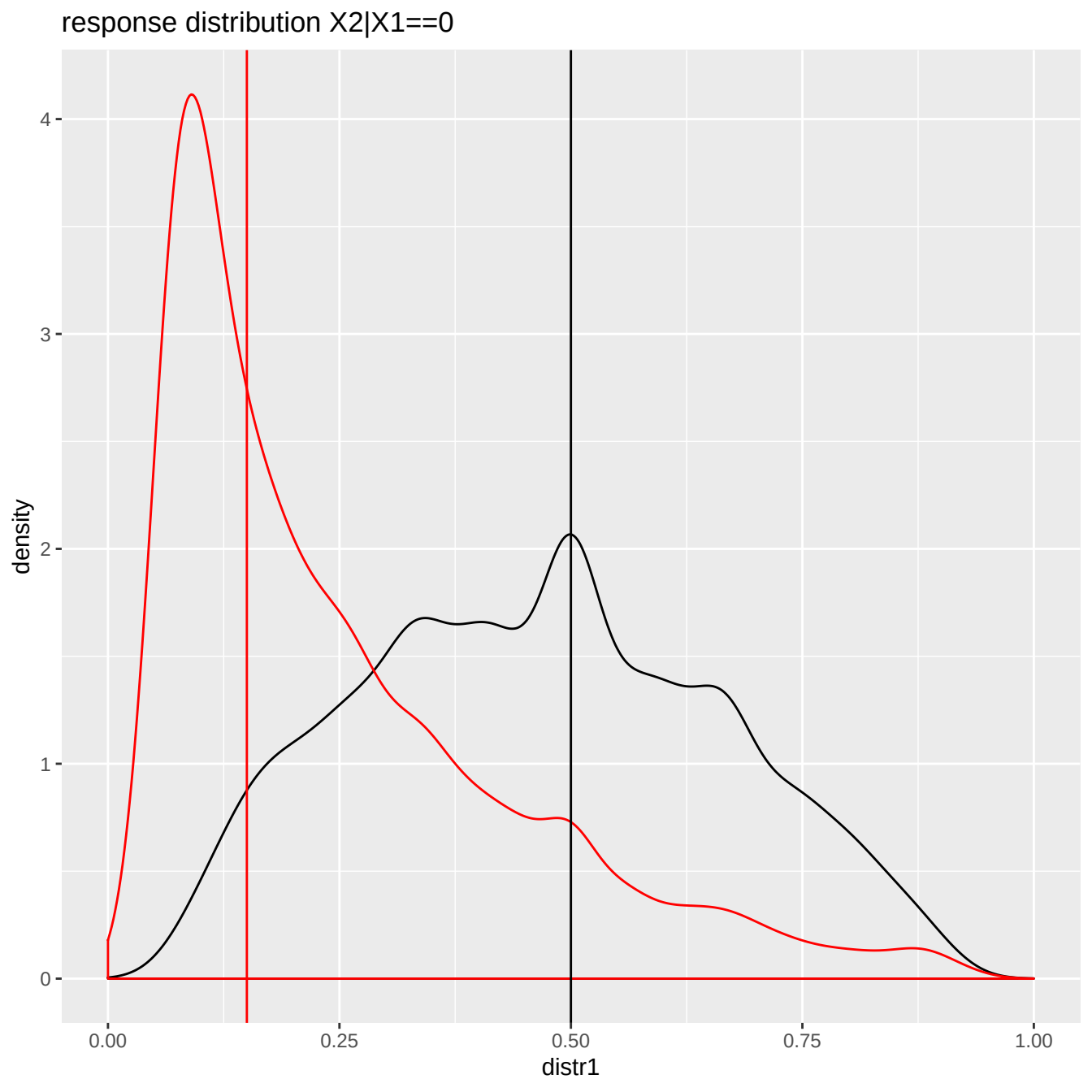

response distribution Y|X1==1
density
6
4
2
0
0.00
0.25
0.50
0.75
1.00
distr1

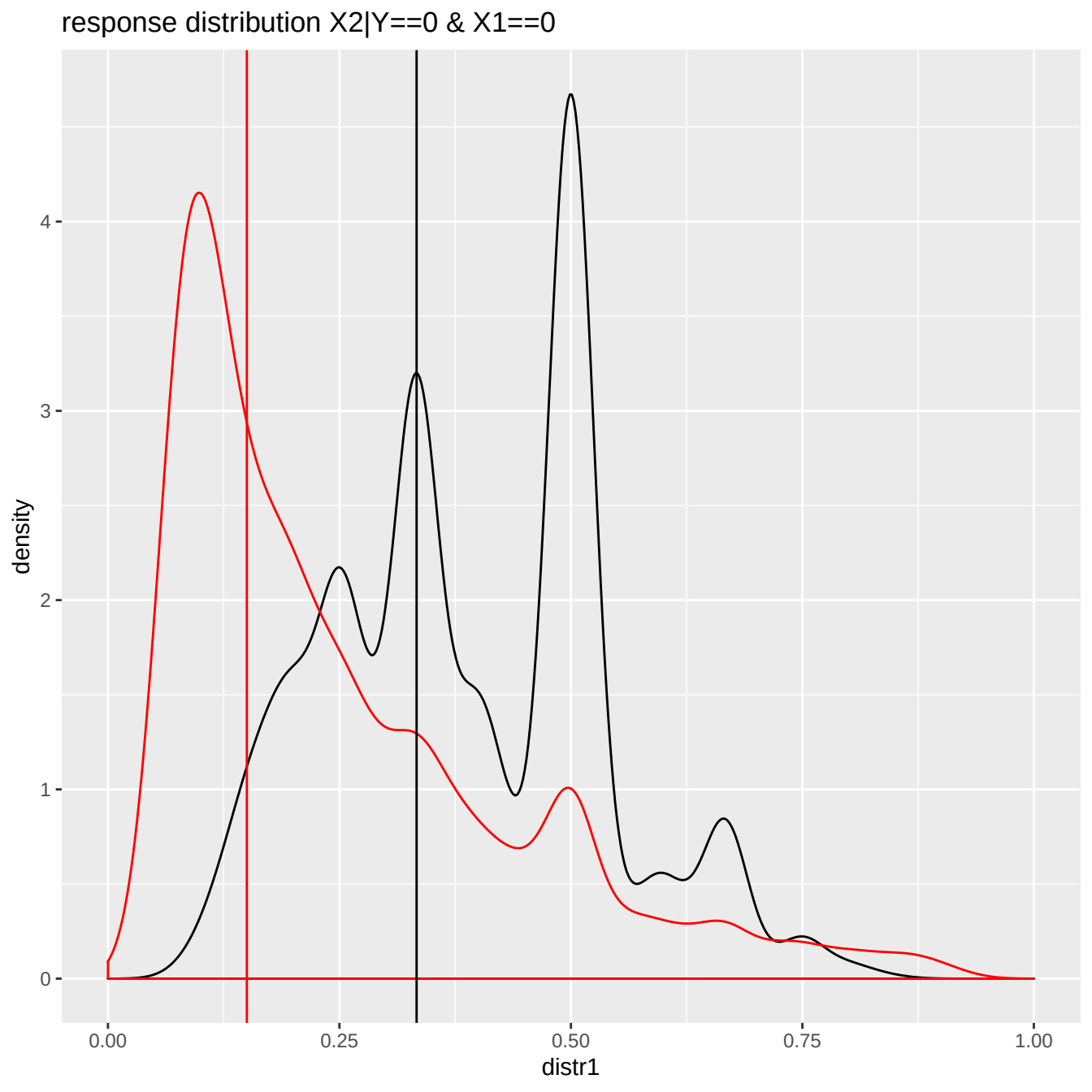

response distribution Y|X1==1 & X2==0
density
7.5
5.0
2.5
0.0
0.00
0.25
0.50
0.75
1.00
distr1

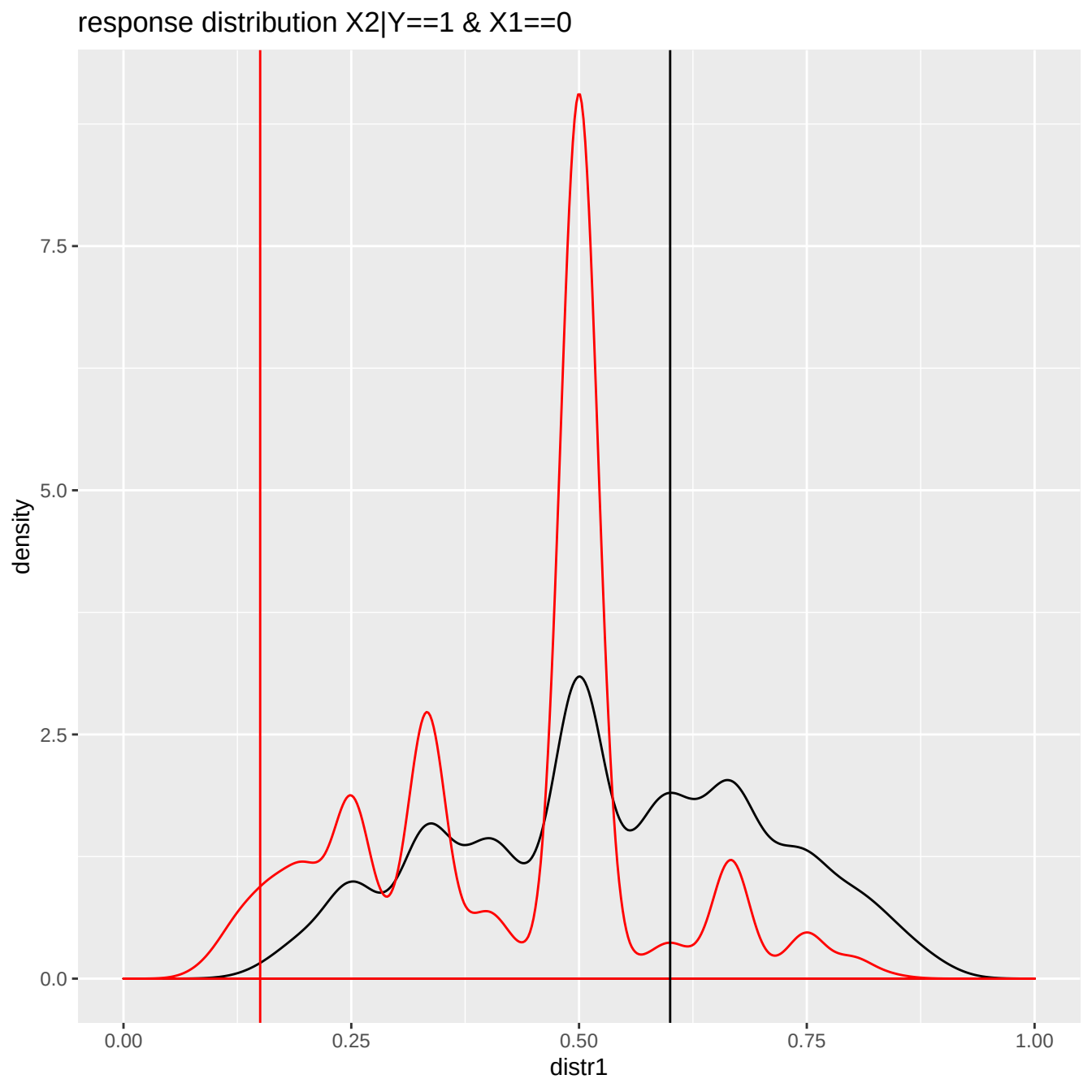

response distribution Y|X1==1 & X2==1
density
10
5
0
0.00
0.25
0.50
0.75
1.00
distr1

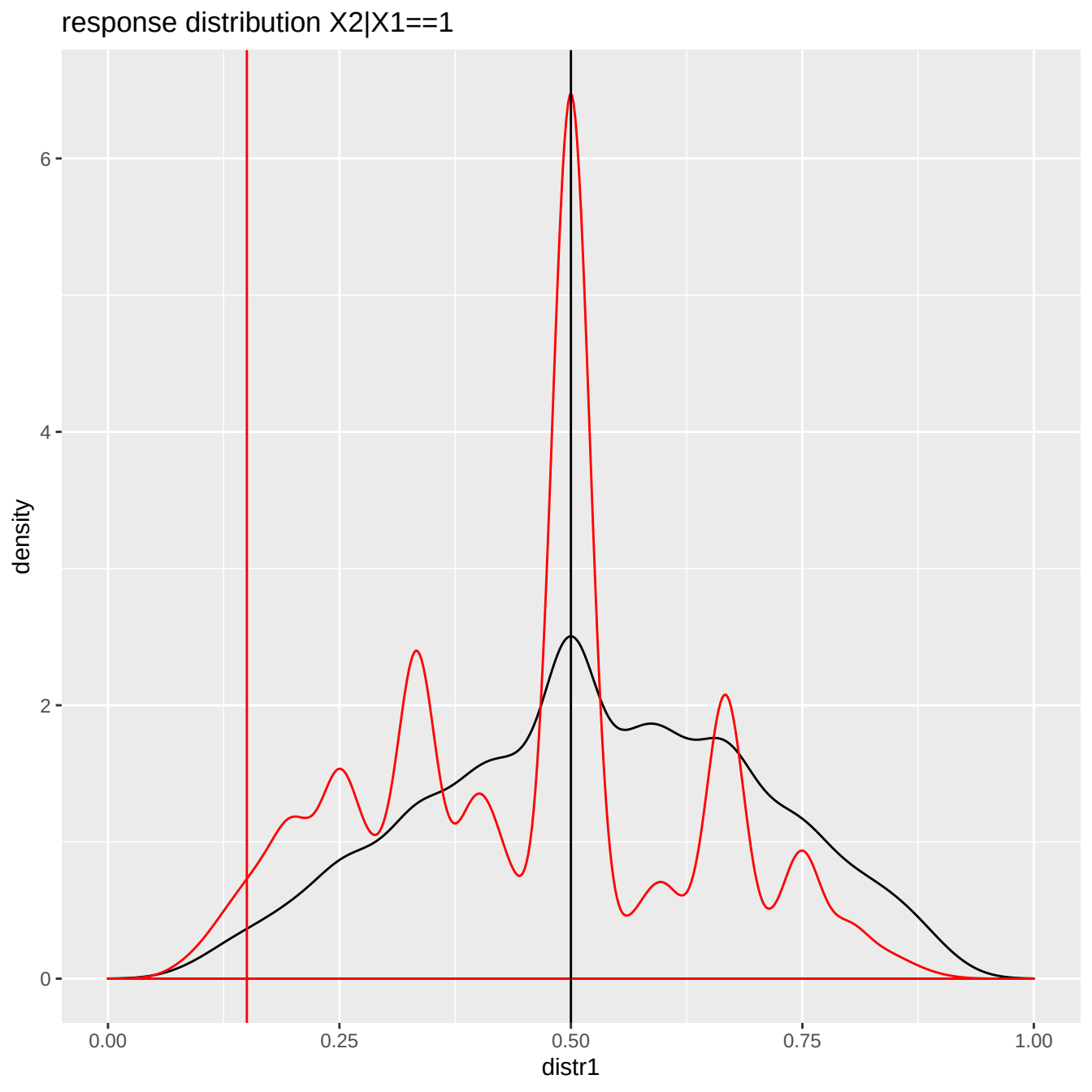

response distribution X2|Y==0
density
4
3
2
1
0
0.00
0.25
0.50
0.75
1.00
distr1

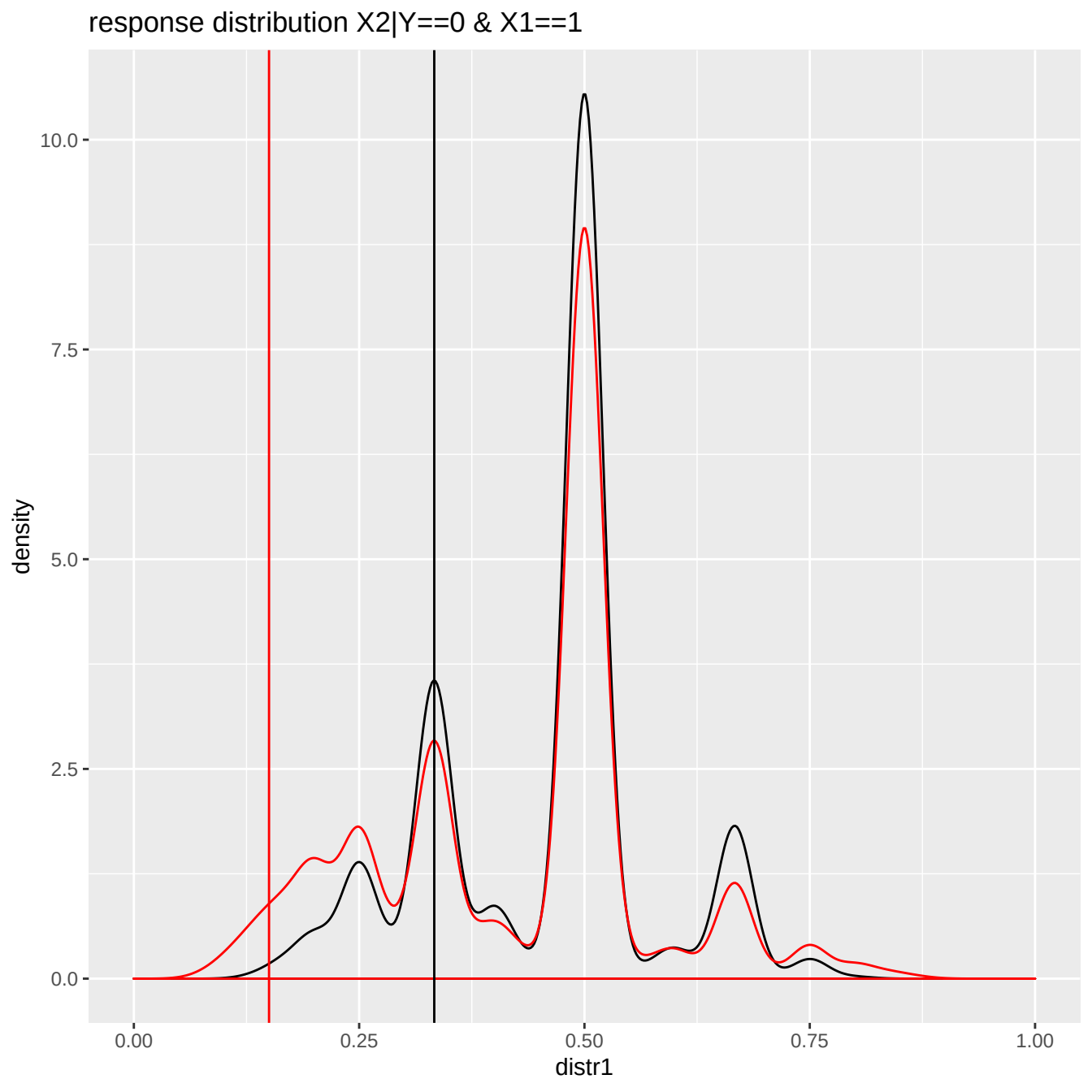

response distribution X2|Y==1
density
6
4
2
0
0.00
0.25
0.50
0.75
1.00
distr1

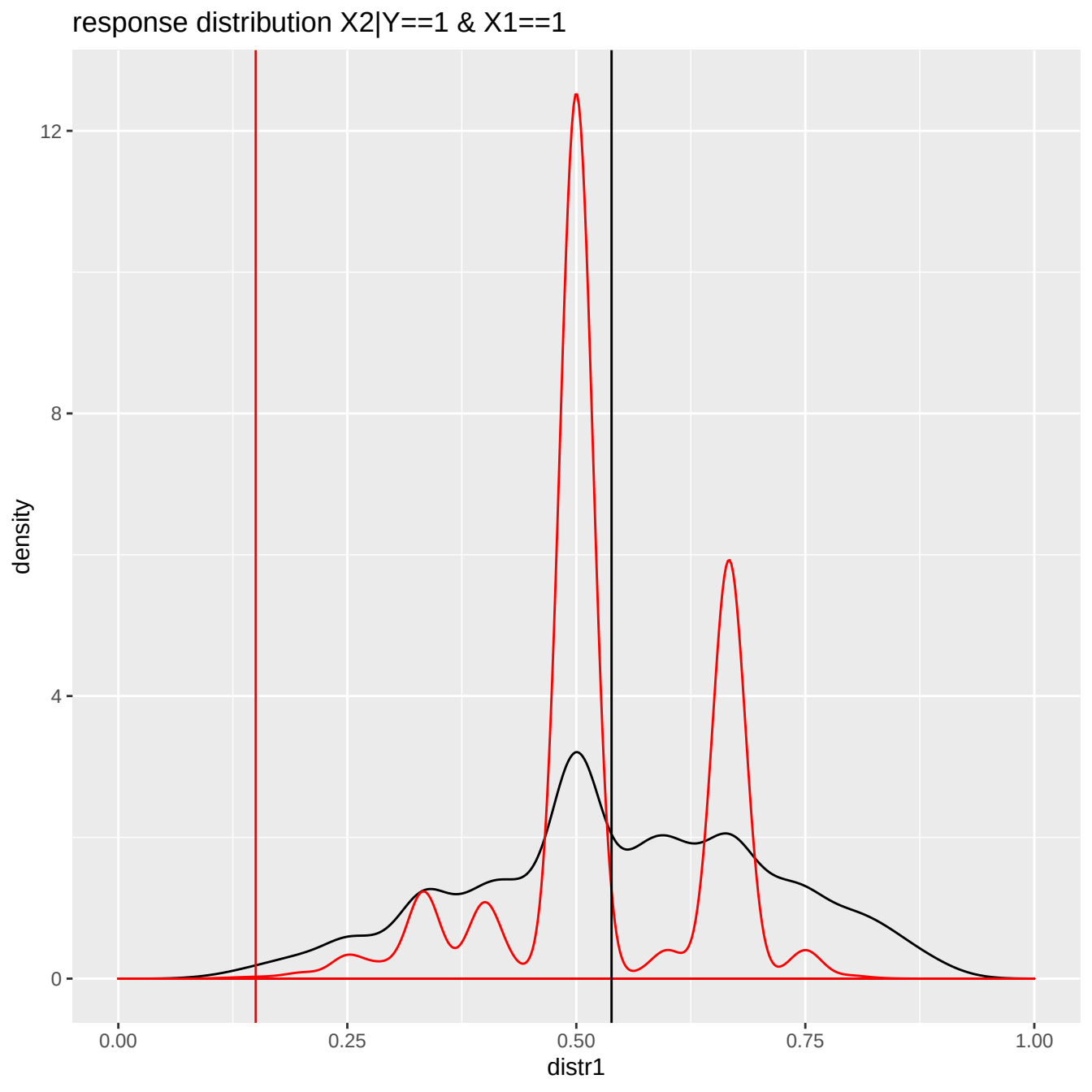

response distribution X2|X1==0
density
4
3
2
1
0
0.00
0.25
0.50
0.75
1.00
distr1

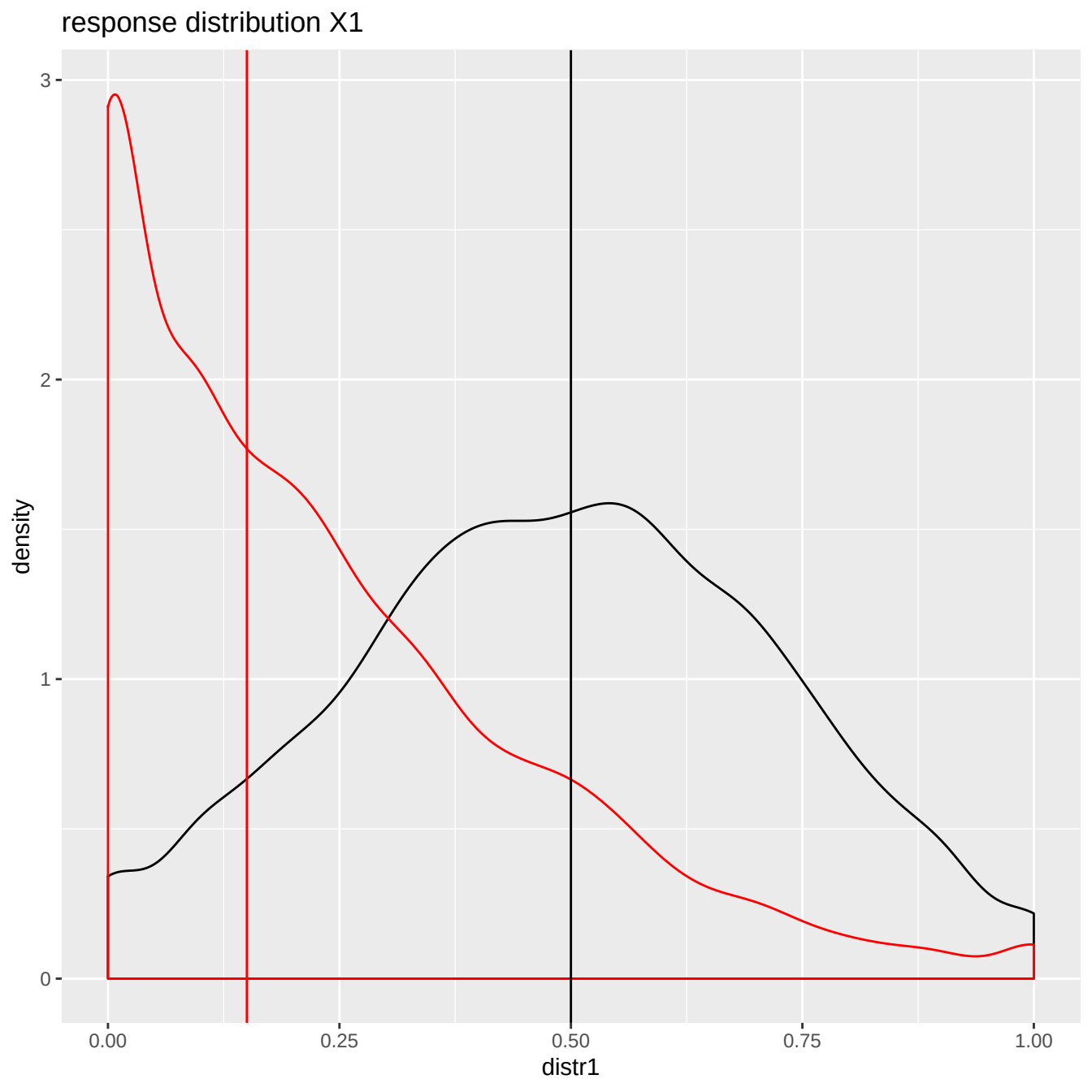

response distribution X2|Y==0 & X1==0
density
4
3
2
1
0
0.00
0.25
0.50
0.75
1.00
distr1

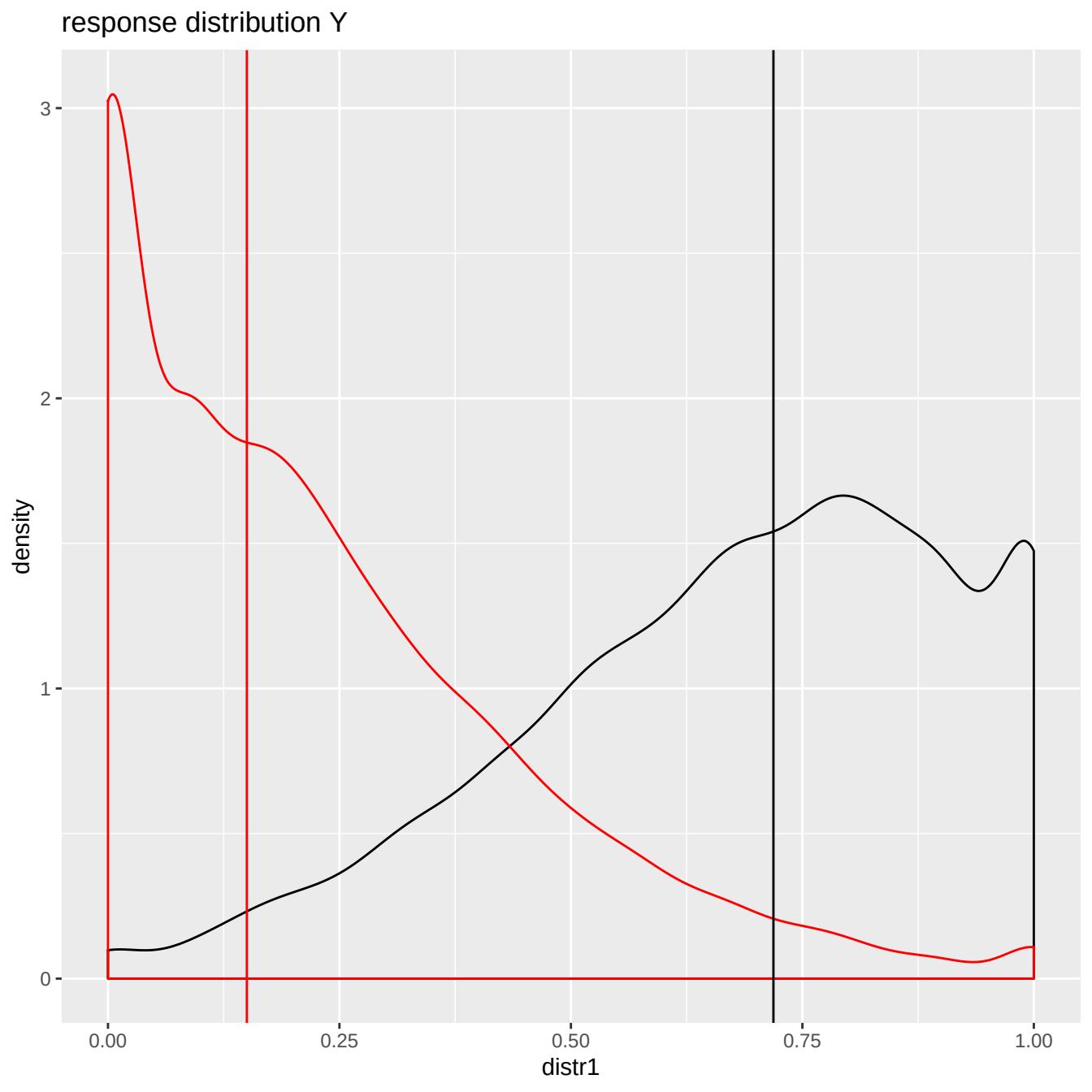

response distribution X2|Y==1 & X1==0
density
7.5
5.0
2.5
0.0
0.00
0.25
0.50
0.75
1.00
distr1

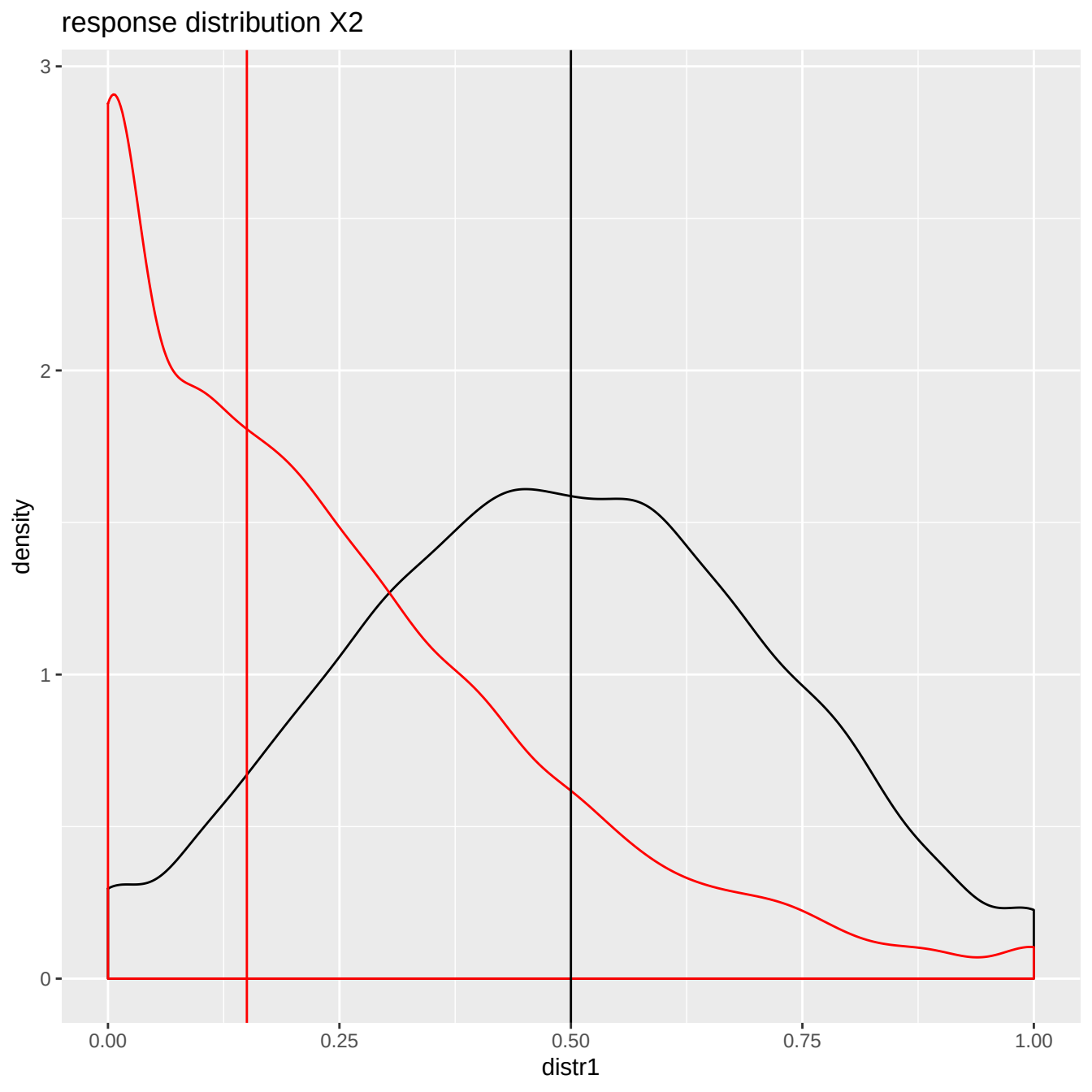

response distribution X2|X1==1
density
6
4
2
0
0.00
0.25
0.50
0.75
1.00
distr1


response distribution X2|Y==0 & X1==1
density
10.0
7.5
5.0
2.5
0.0
0.00
0.25
0.50
0.75
1.00
distr1


response distribution X2|Y==1 & X1==1
12
8
4
0
density
0.00
0.25
0.50
0.75
1.00
distr1


response distribution X1
density
3
2
1
0
0.00
0.25
0.50
0.75
1.00
distr1


response distribution Y
density
distr1
0
1
2
3
0.00
0.25
0.50
0.75
1.00


response distribution X2
density
distr1
0
1
2
3
0.00
0.25
0.50
0.75
1.00