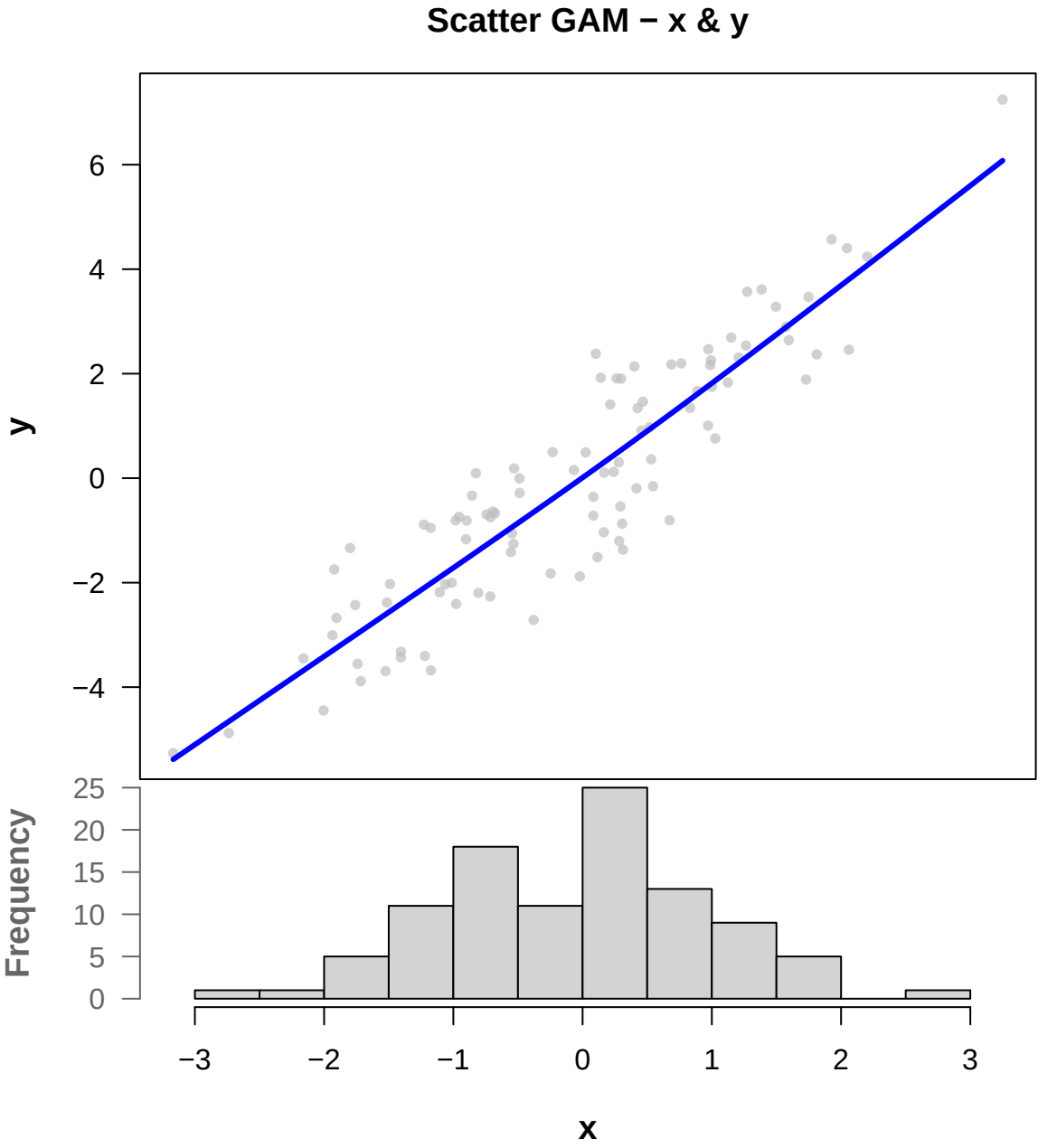
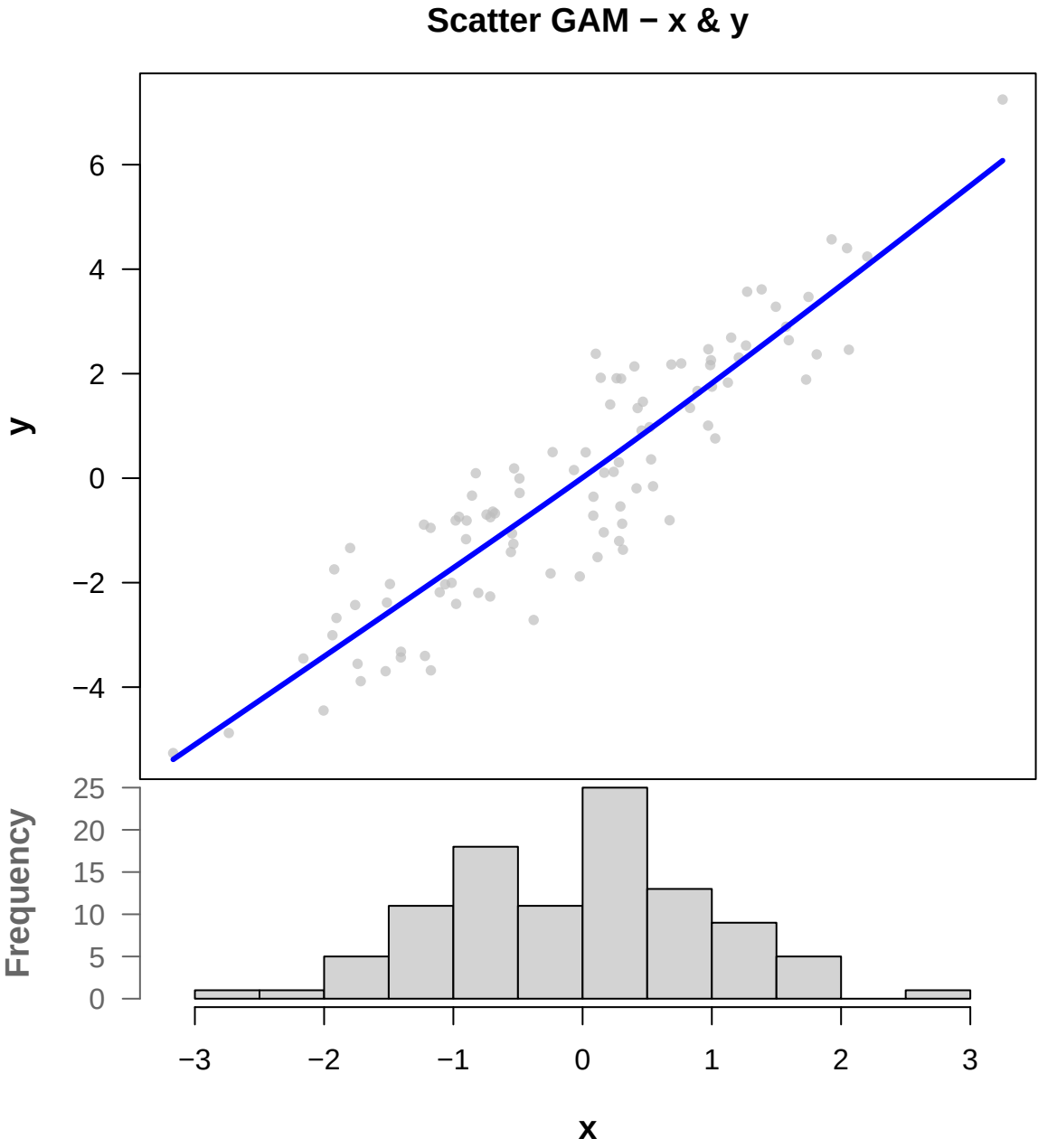
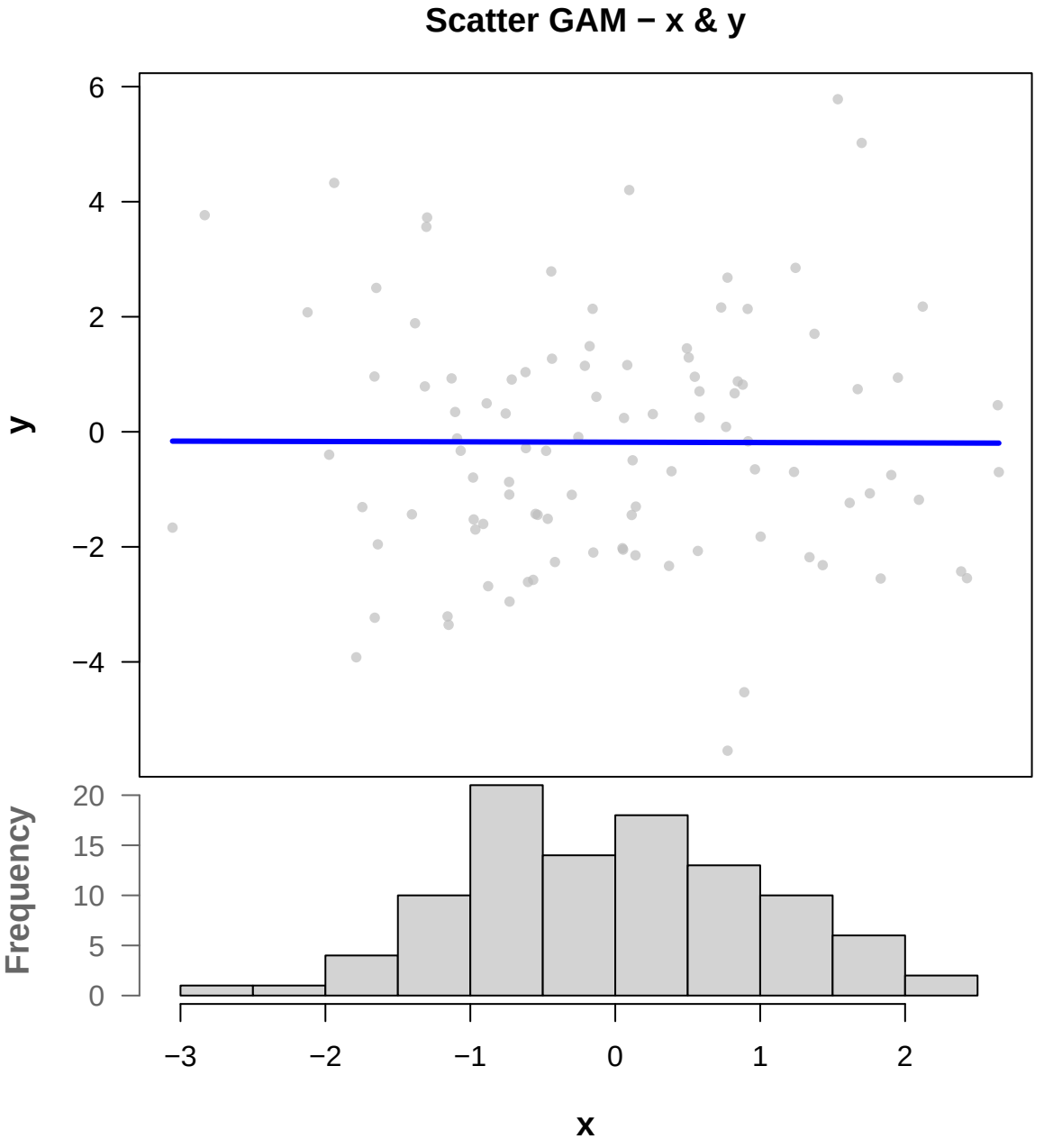
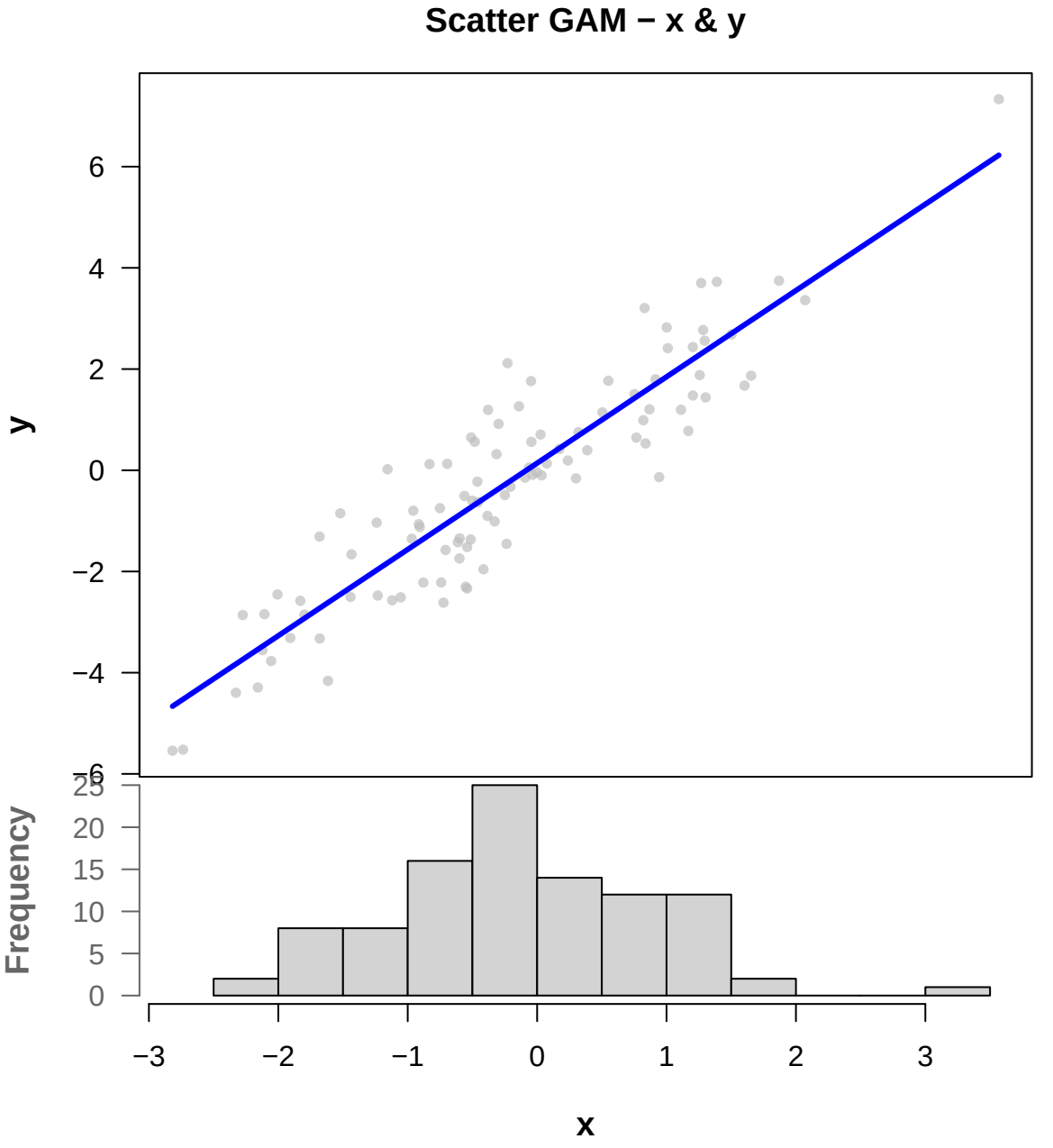
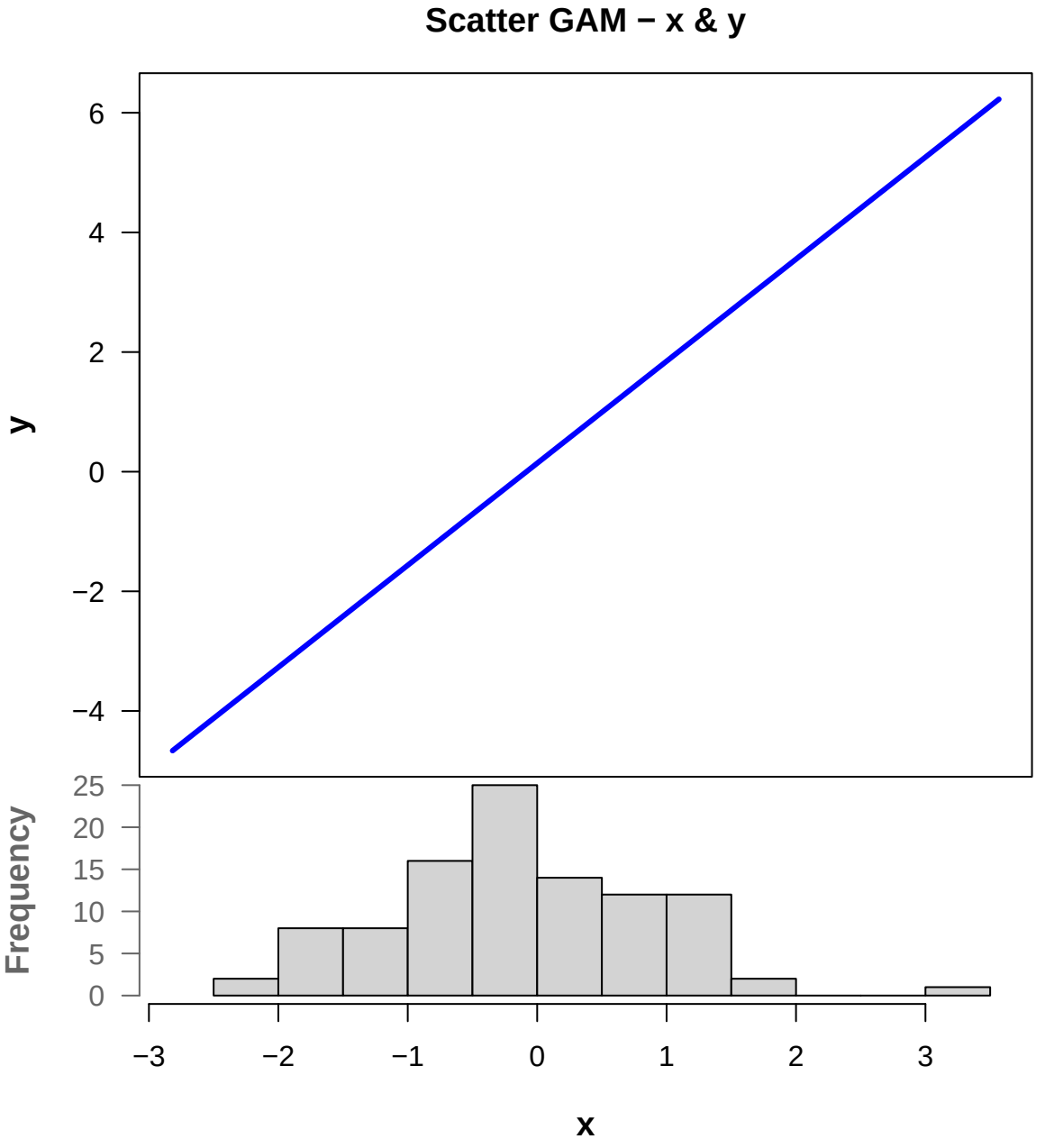
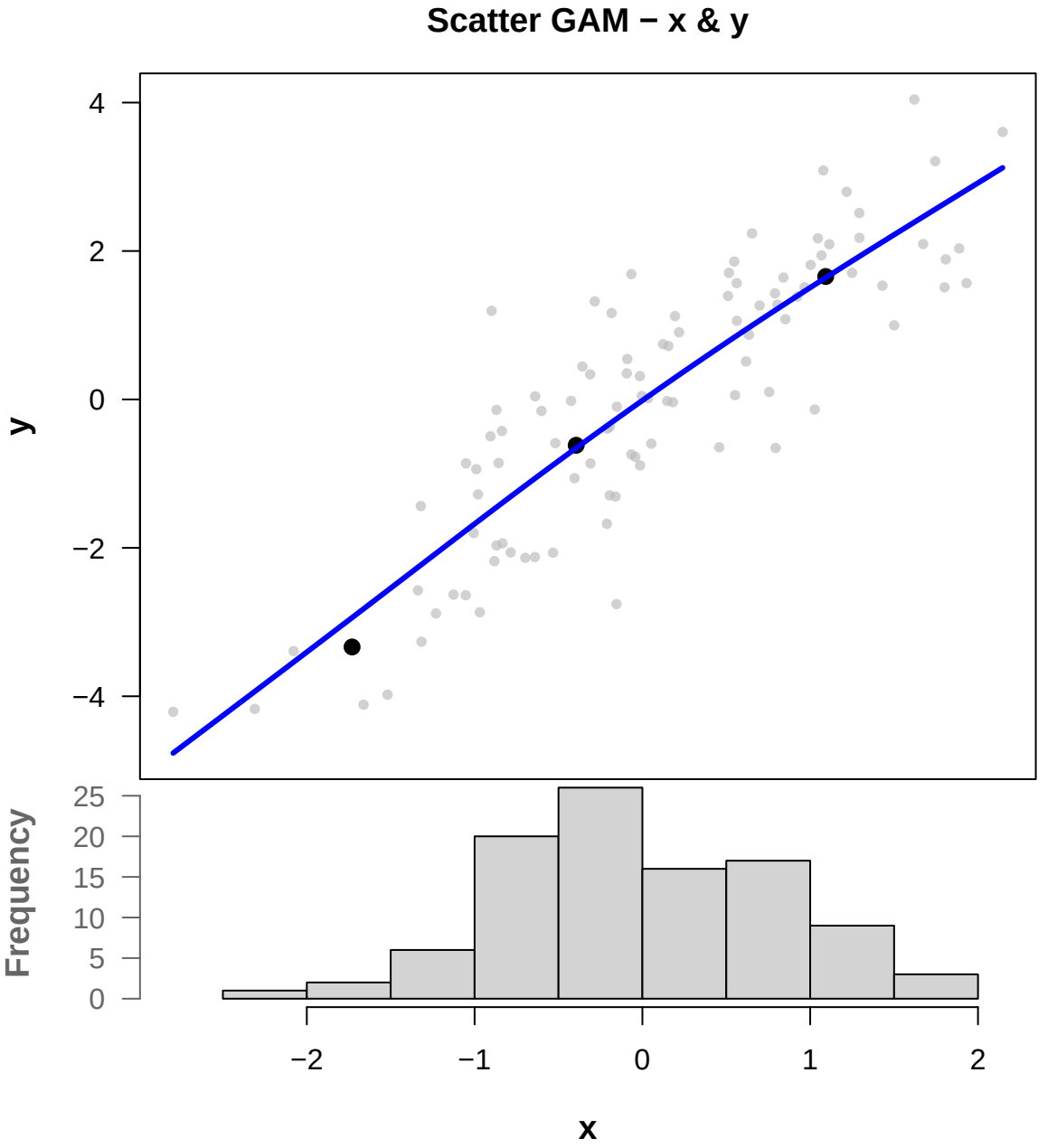

Scatter GAM − x & y
y
6
4
2
0
−2
−4
Frequency
25
20
15
10
5
0
−3
−2
−1
0
1
2
3
x

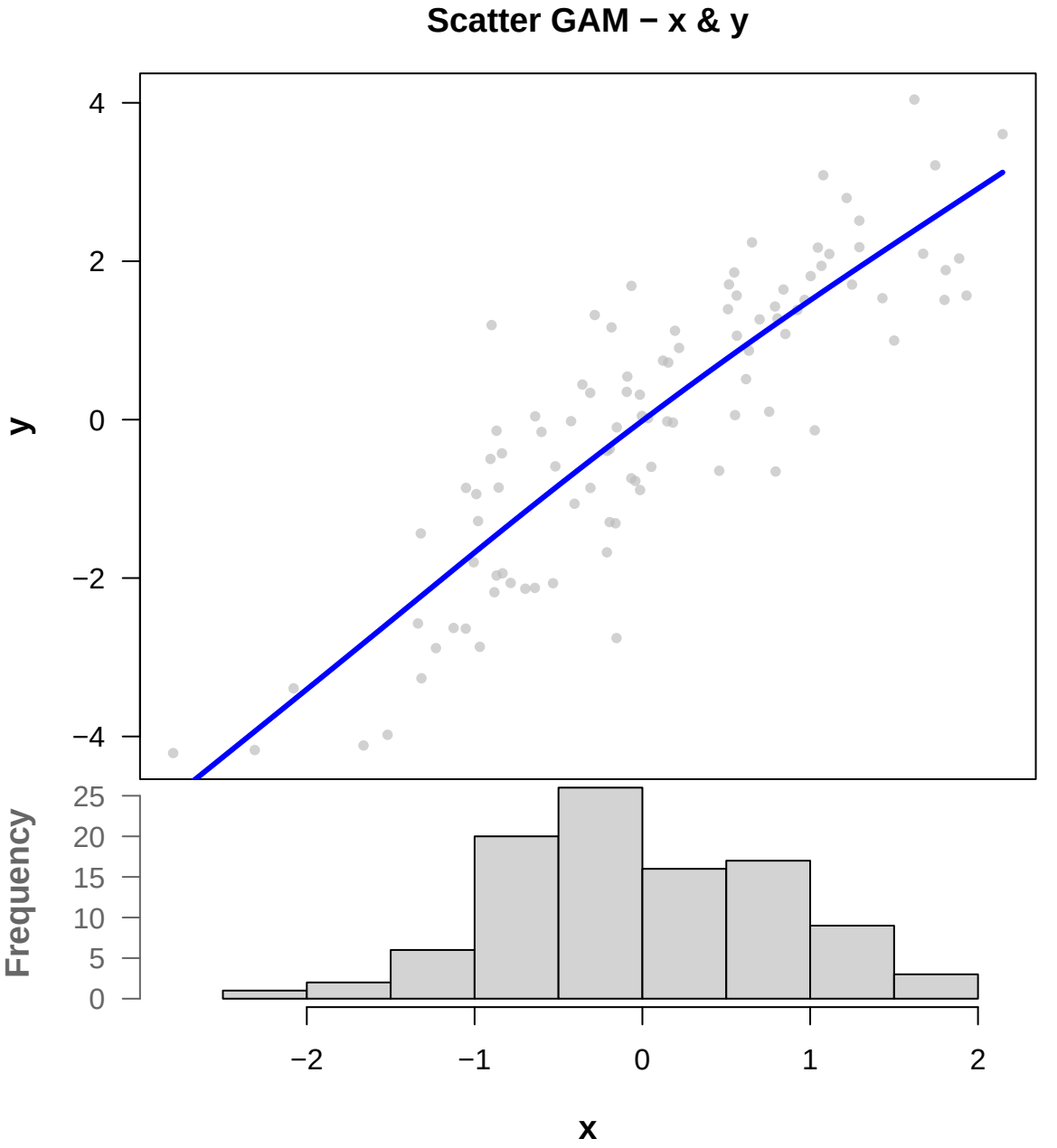

Scatter GAM − x & y
y
6
4
2
0
−2
−4
Frequency
25
20
15
10
5
0
−3
−2
−1
0
1
2
3
x

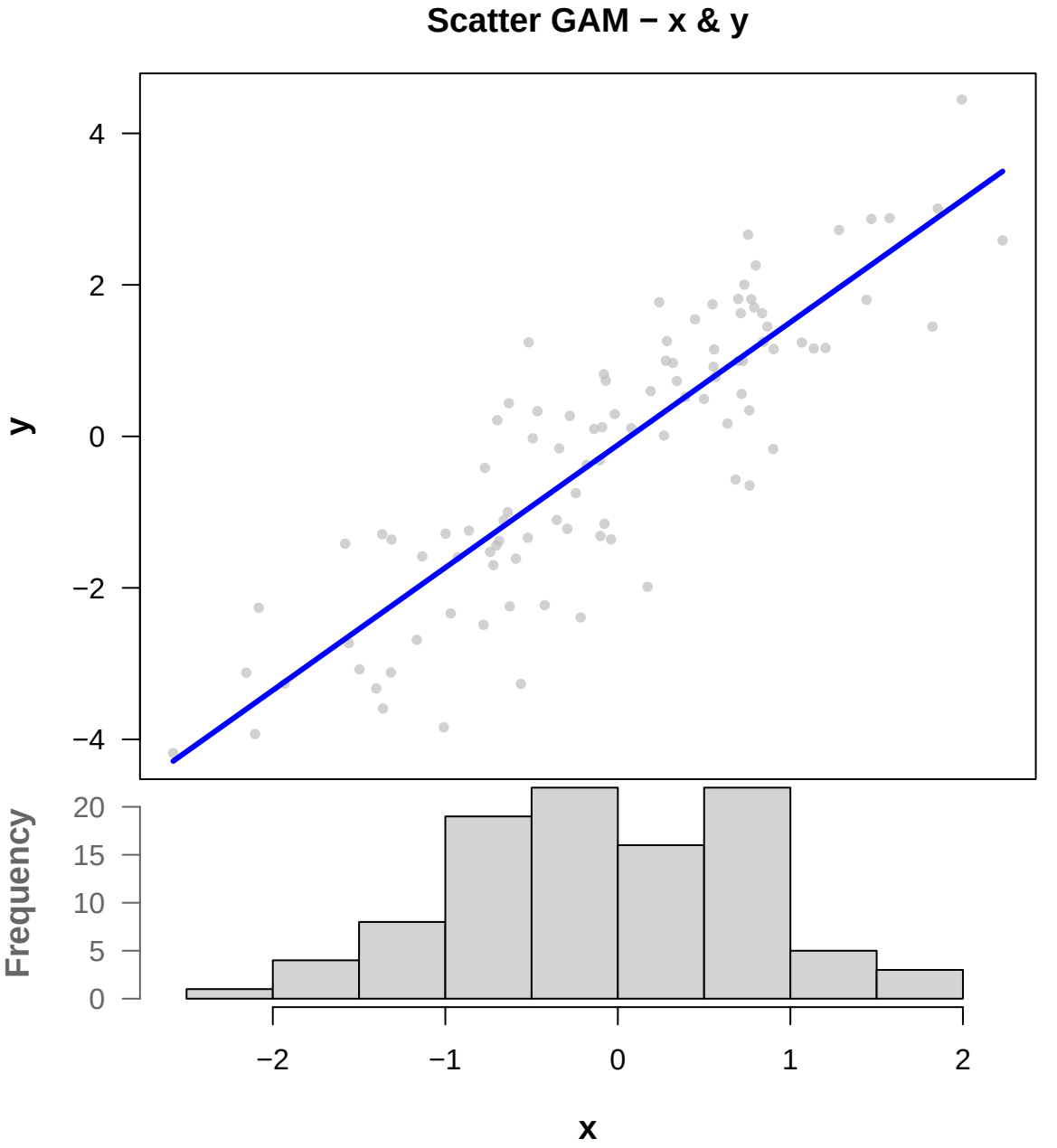

Scatter GAM − x & y
y
6
4
2
0
−2
−4
Frequency
20
15
10
5
0
−3
−2
−1
0
1
2
x

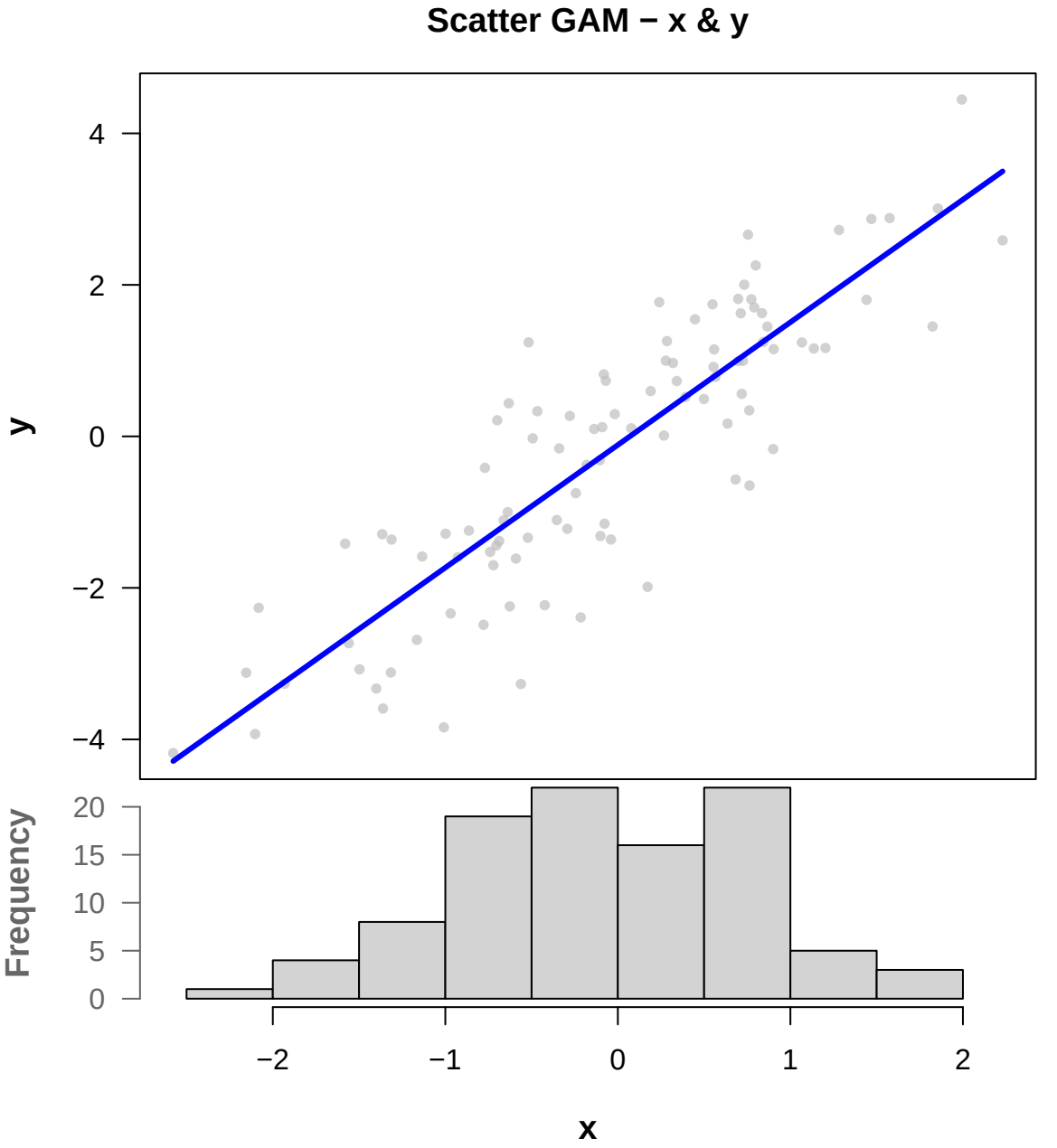

Scatter GAM − x & y
y
6
4
2
0
−2
−4
−6
Frequency
25
20
15
10
5
0
−3
−2
−1
0
1
2
3
x

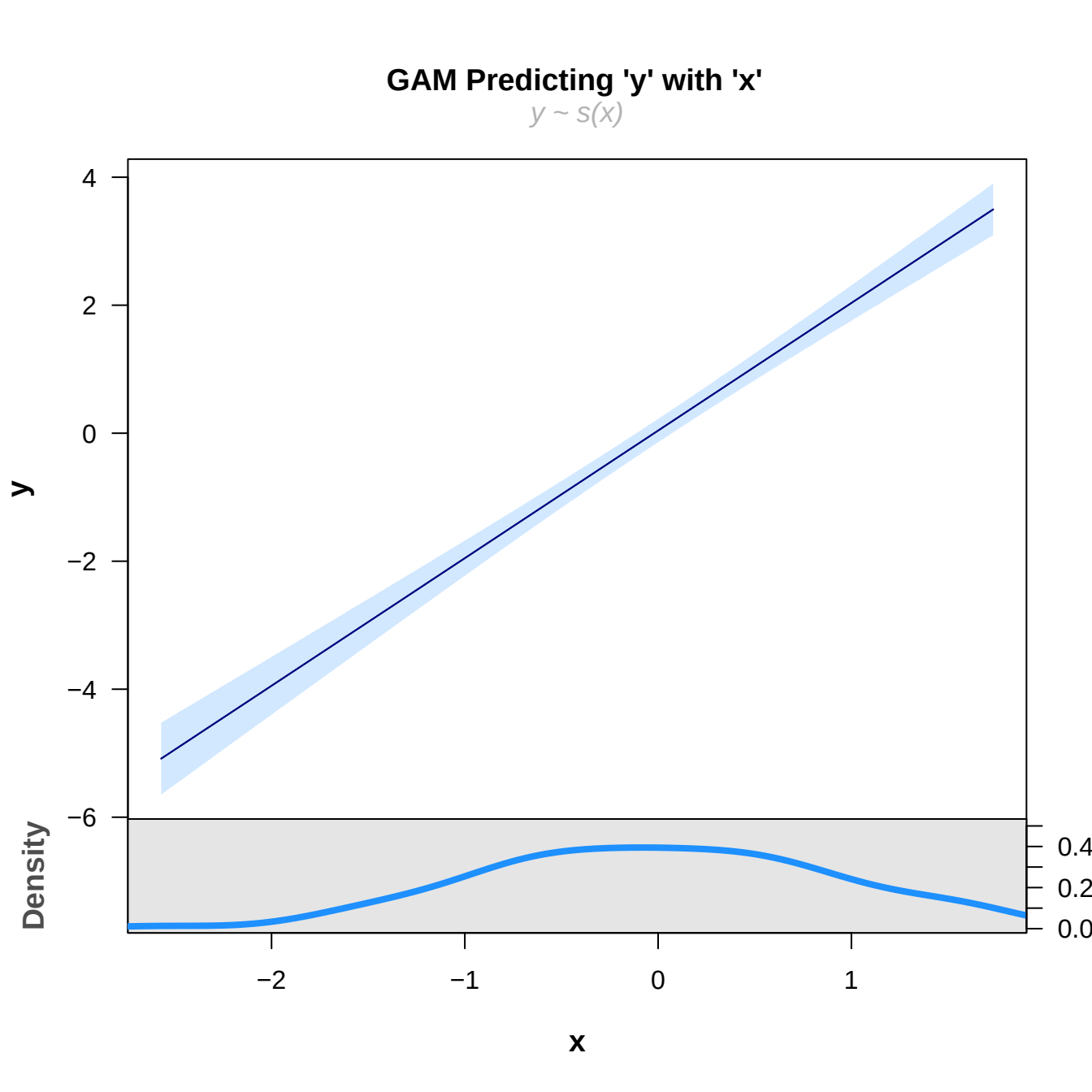

Scatter GAM − x & y
y
6
4
2
0
−2
−4
Frequency
25
20
15
10
5
0
−3
−2
−1
0
1
2
3
x

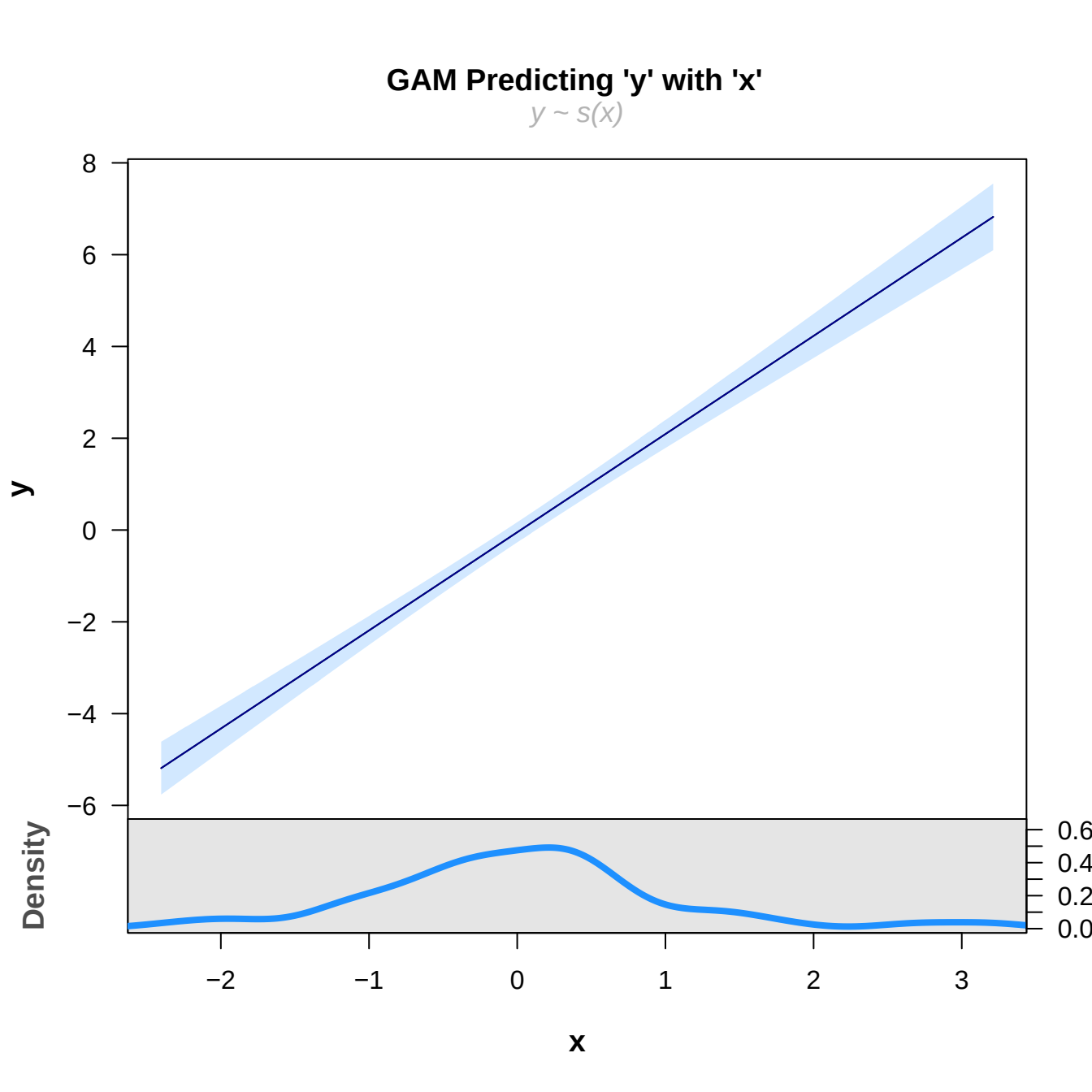

Scatter GAM − x & y
y
4
2
0
−2
−4
Frequency
25
20
15
10
5
0
−2
−1
0
1
2
x

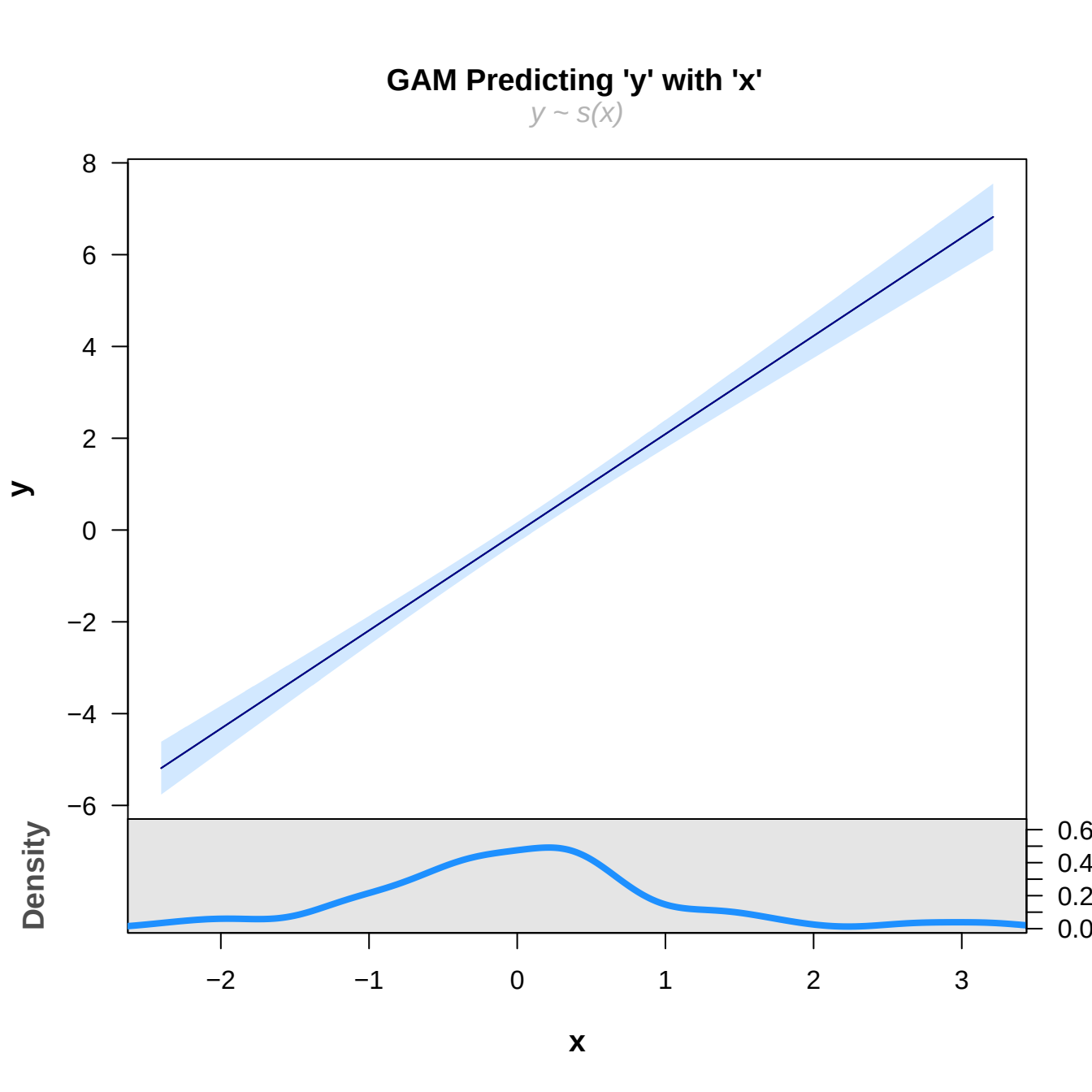

Scatter GAM − x & y
y
4
2
0
−2
−4
Frequency
25
20
15
10
5
0
−2
−1
0
1
2
x

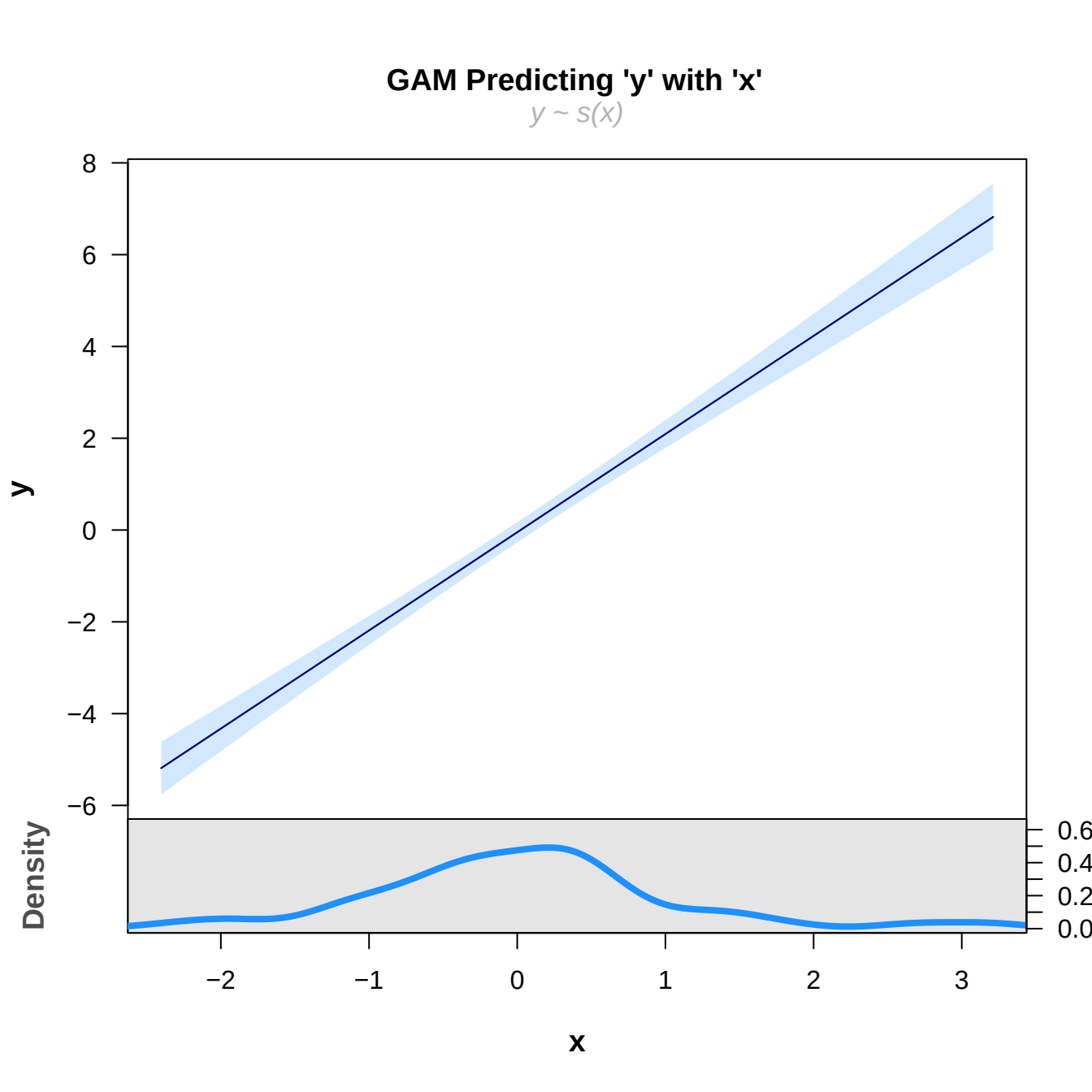

Scatter GAM − x & y
y
4
2
0
−2
−4
Frequency
20
15
10
5
0
−2
−1
0
1
2
x

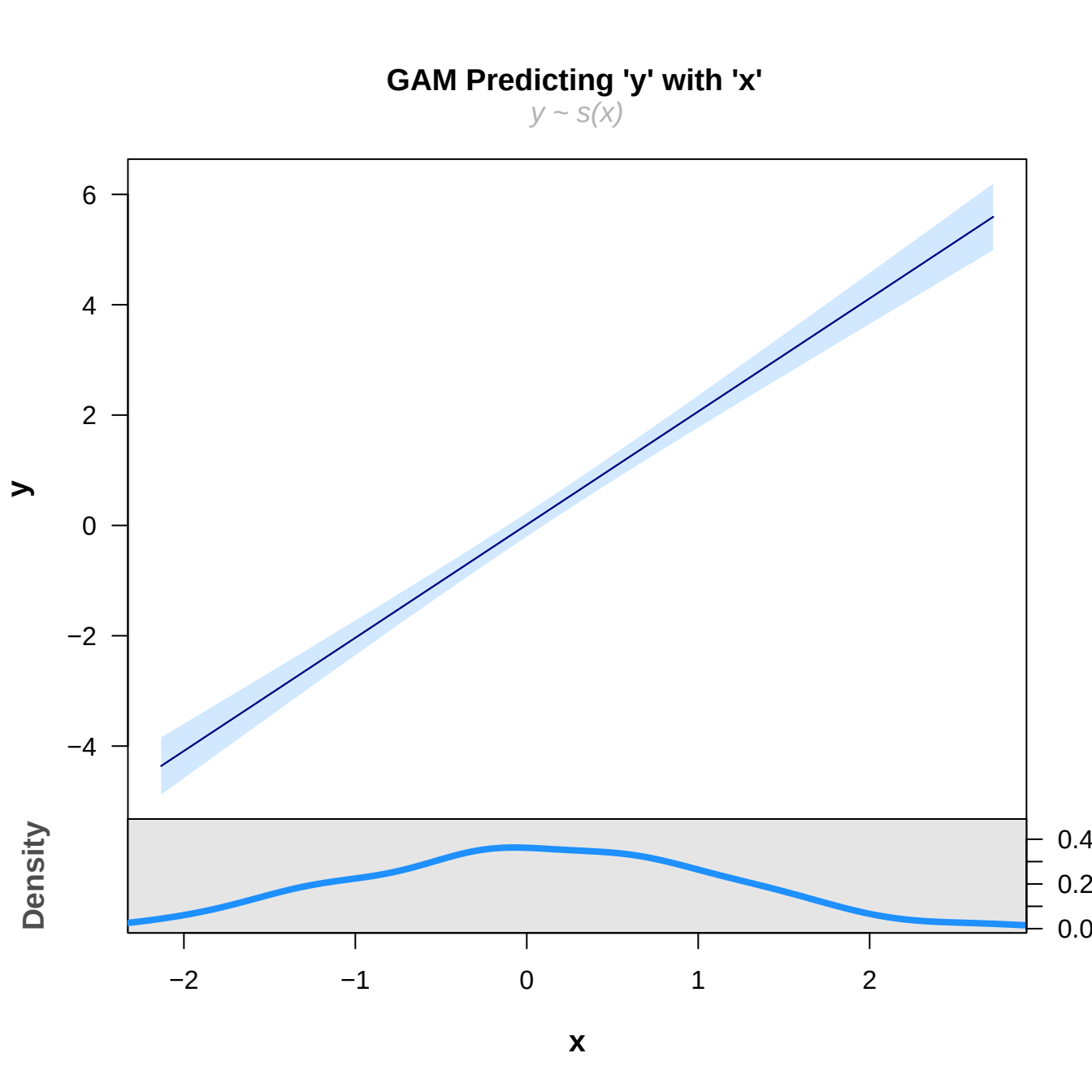

Scatter GAM − x & y
y
4
2
0
−2
−4
Frequency
20
15
10
5
0
−2
−1
0
1
2
x

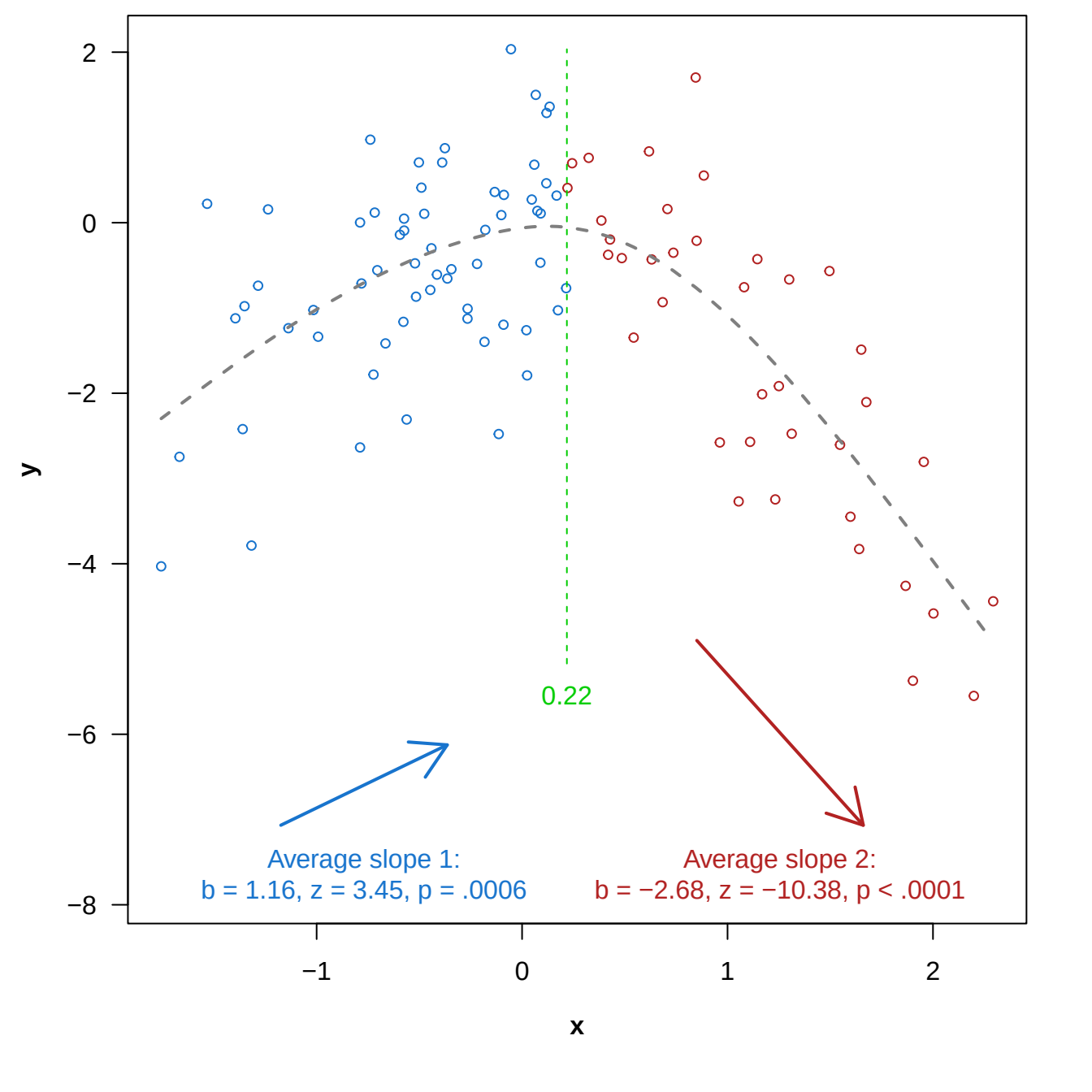

GAM Predicting 'y' with 'x'
y ~ s(x)
y
x
Density
4
2
0
−2
−4
−6
−2
−1
0
1
0.4
0.2
0.0

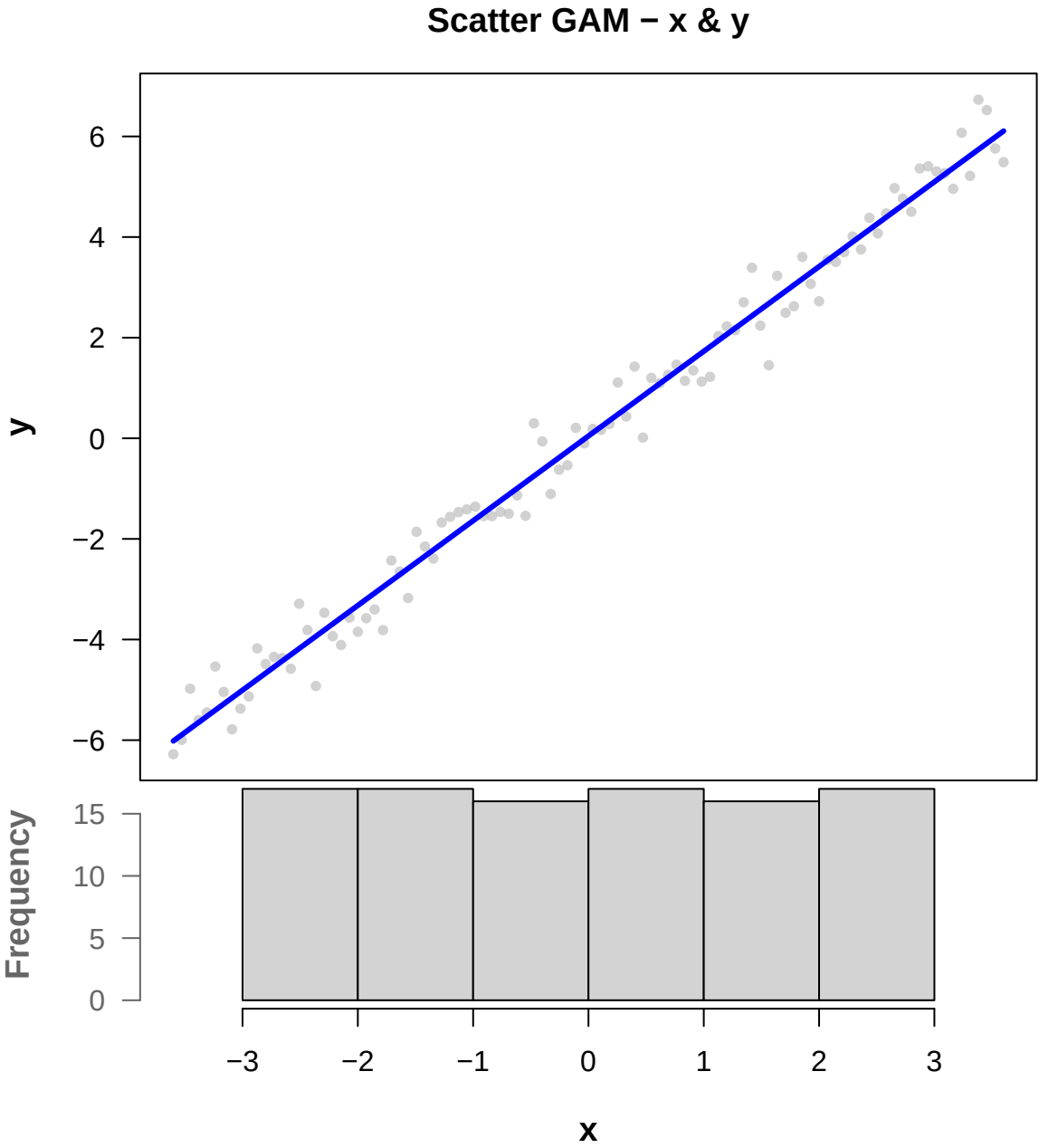

GAM Predicting 'y' with 'x'
y ~ s(x)
y
8
6
4
2
0
−2
−4
−6
Density
0.6
0.4
0.2
0.0
−2
−1
0
1
2
3
x

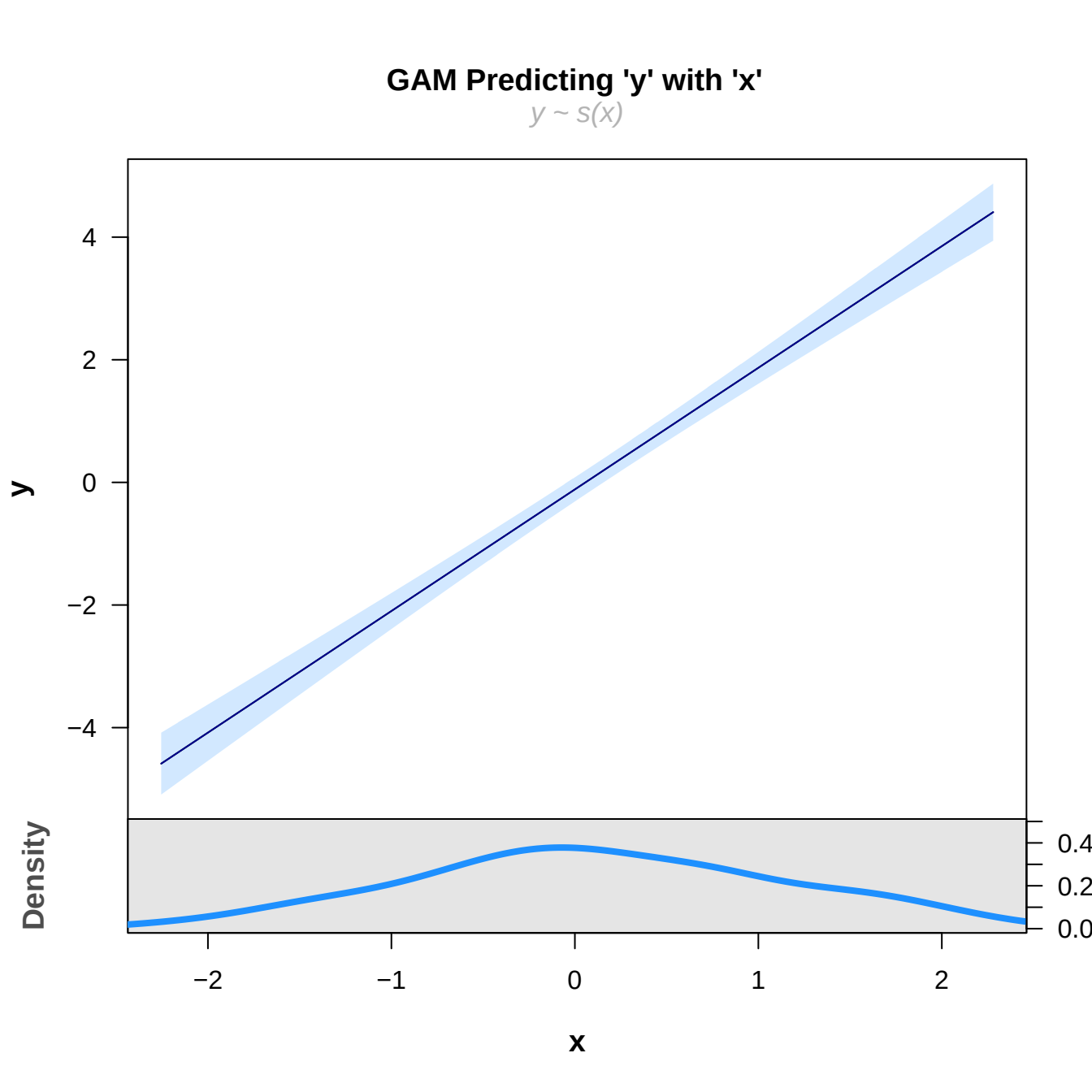

GAM Predicting 'y' with 'x'
y ~ s(x)
y
8
6
4
2
0
−2
−4
−6
Density
0.6
0.4
0.2
0.0
−2
−1
0
1
2
3
x

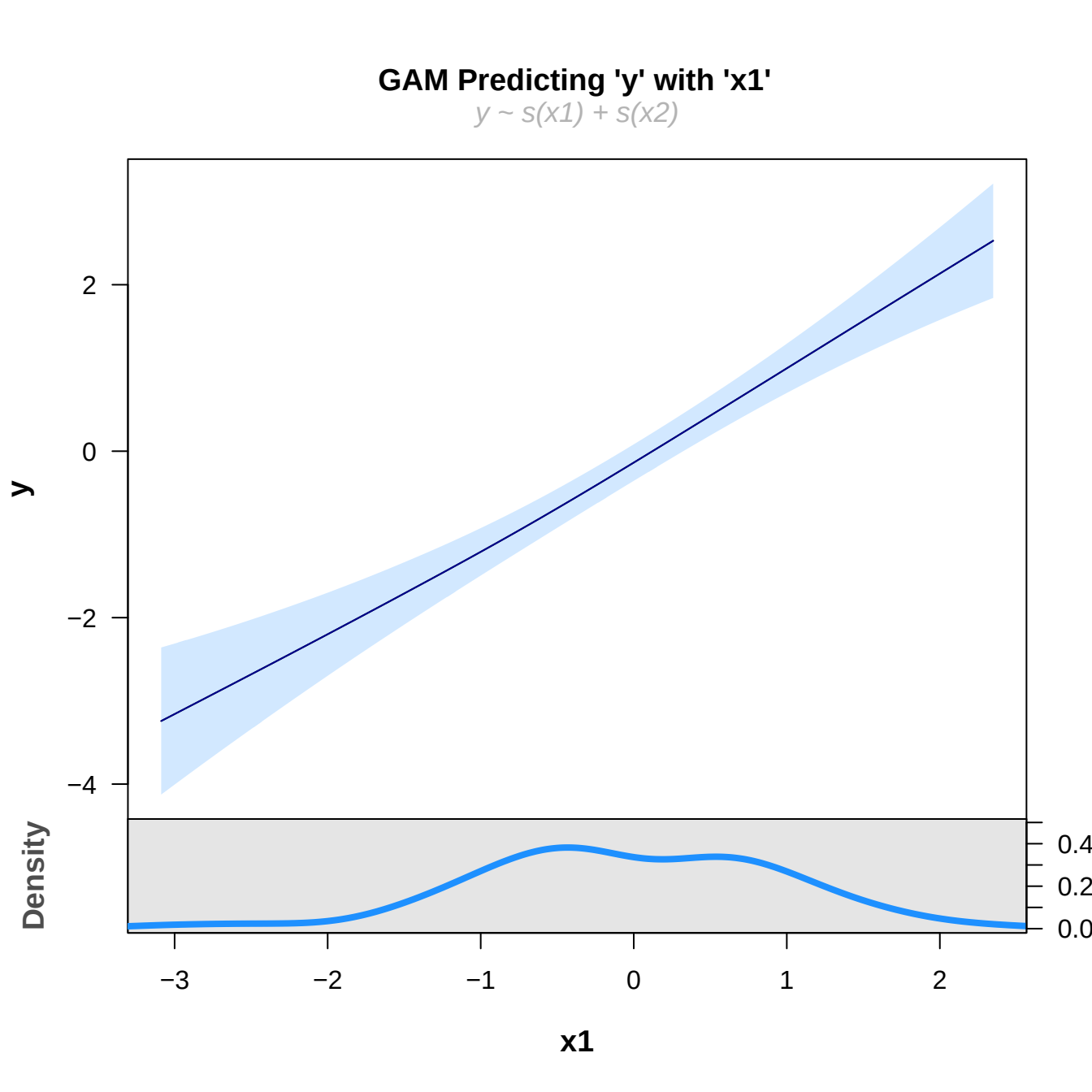

GAM Predicting 'y' with 'x'
y ~ s(x)
y
8
6
4
2
0
−2
−4
−6
Density
0.6
0.4
0.2
0.0
−2
−1
0
1
2
3
x

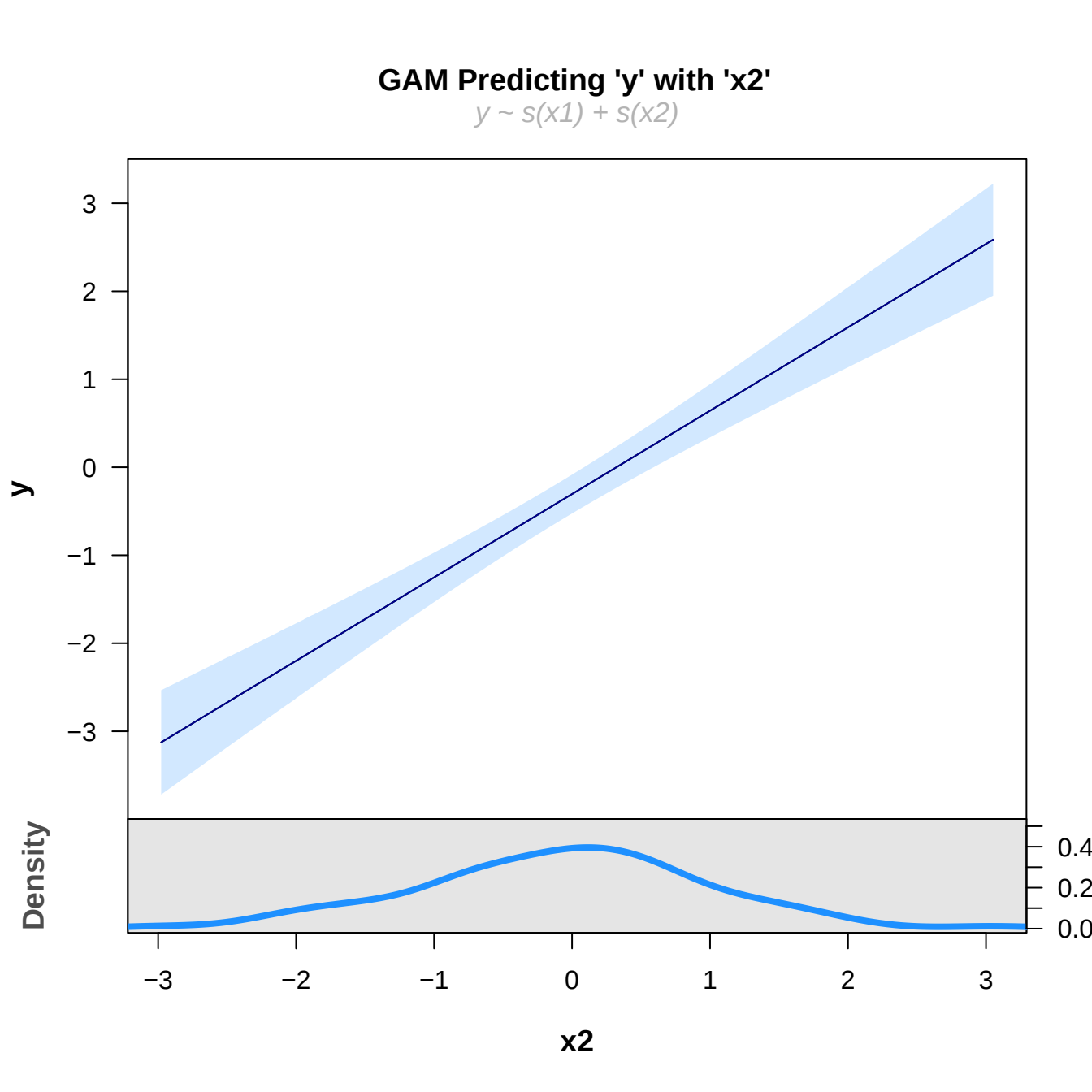

GAM Predicting 'y' with 'x'
y ~ s(x)
y
6
4
2
0
−2
−4
Density
0.4
0.2
0.0
−2
−1
0
1
2
x

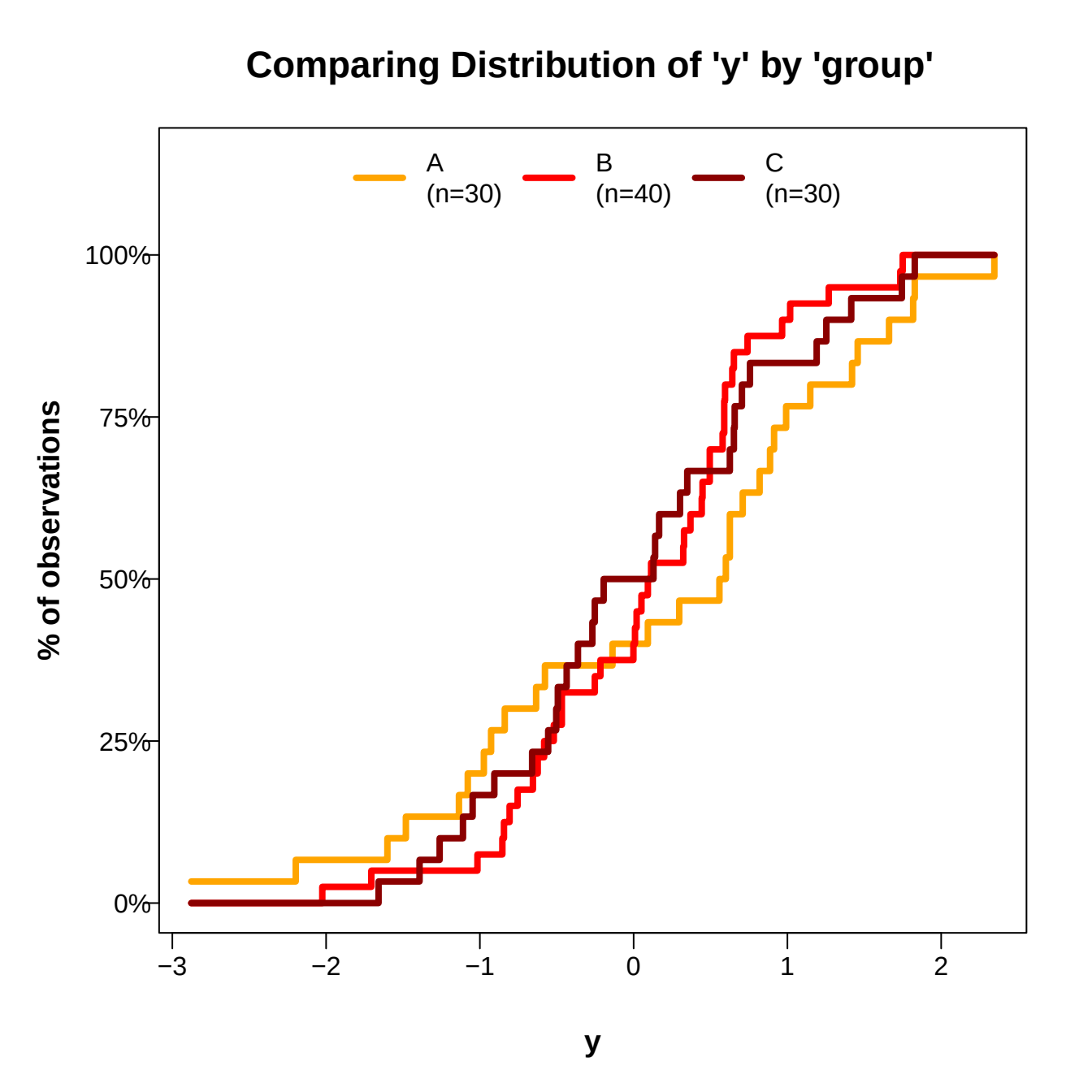

2
0
−2
−4
−6
−8
y
−1
0
1
2
x
0.22
Average slope 1:
b = 1.16, z = 3.45, p = .0006
Average slope 2:
b = −2.68, z = −10.38, p < .0001

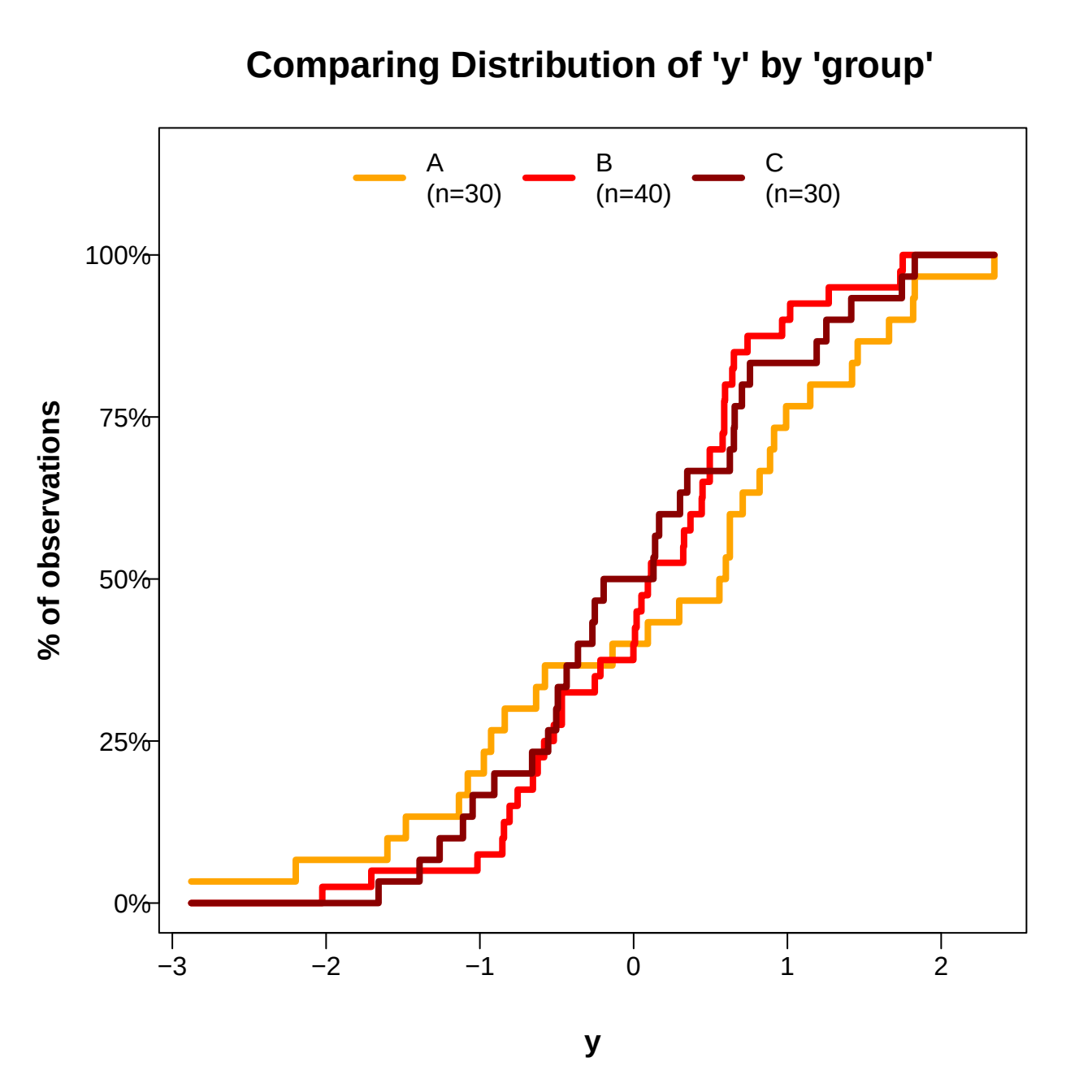

Scatter GAM − x & y
y
6
4
2
0
−2
−4
−6
Frequency
15
10
5
0
−3
−2
−1
0
1
2
3
x

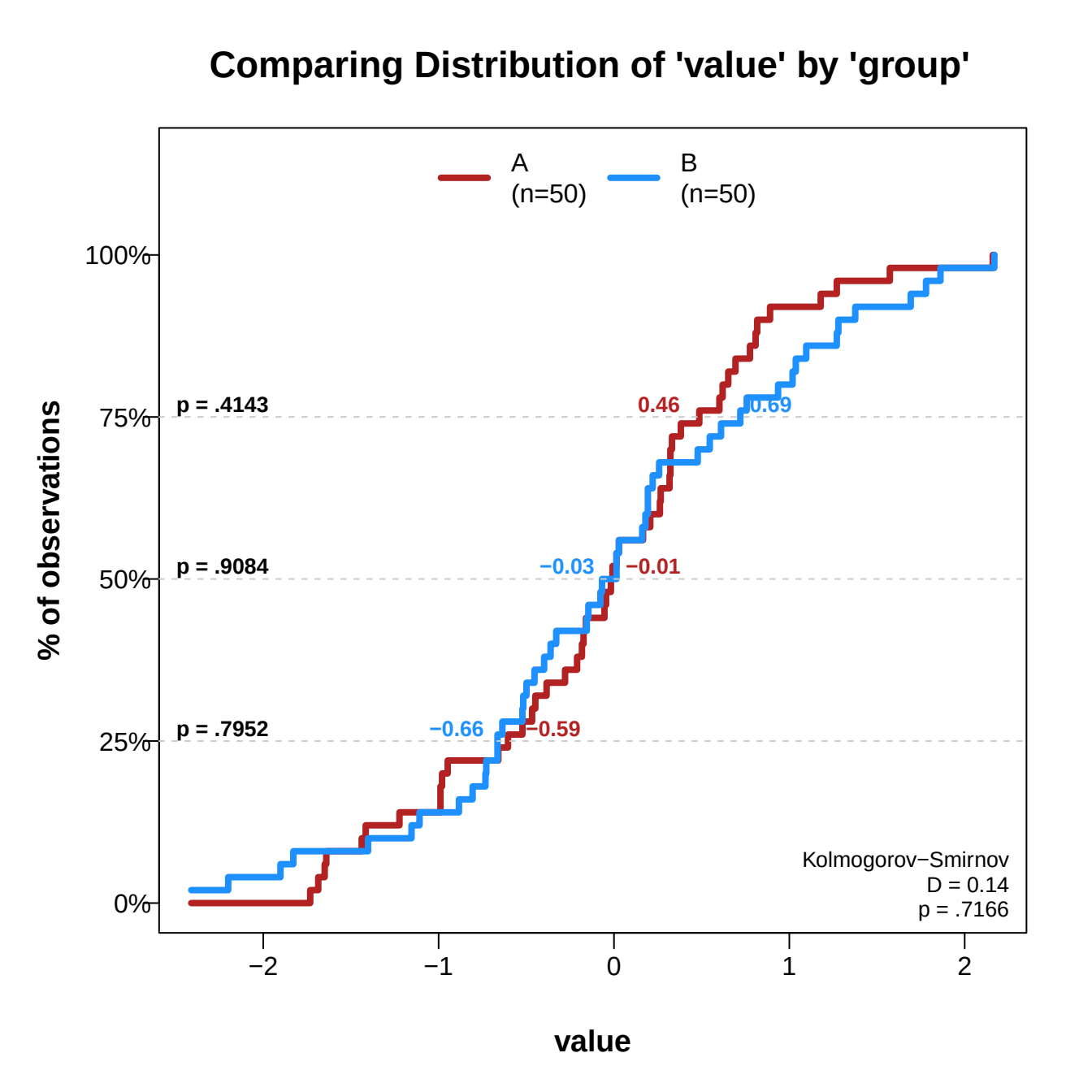

GAM Predicting 'y' with 'x'
y ~ s(x)
y
4
2
0
−2
−4
Density
0.4
0.2
0.0
−2
−1
0
1
2
x

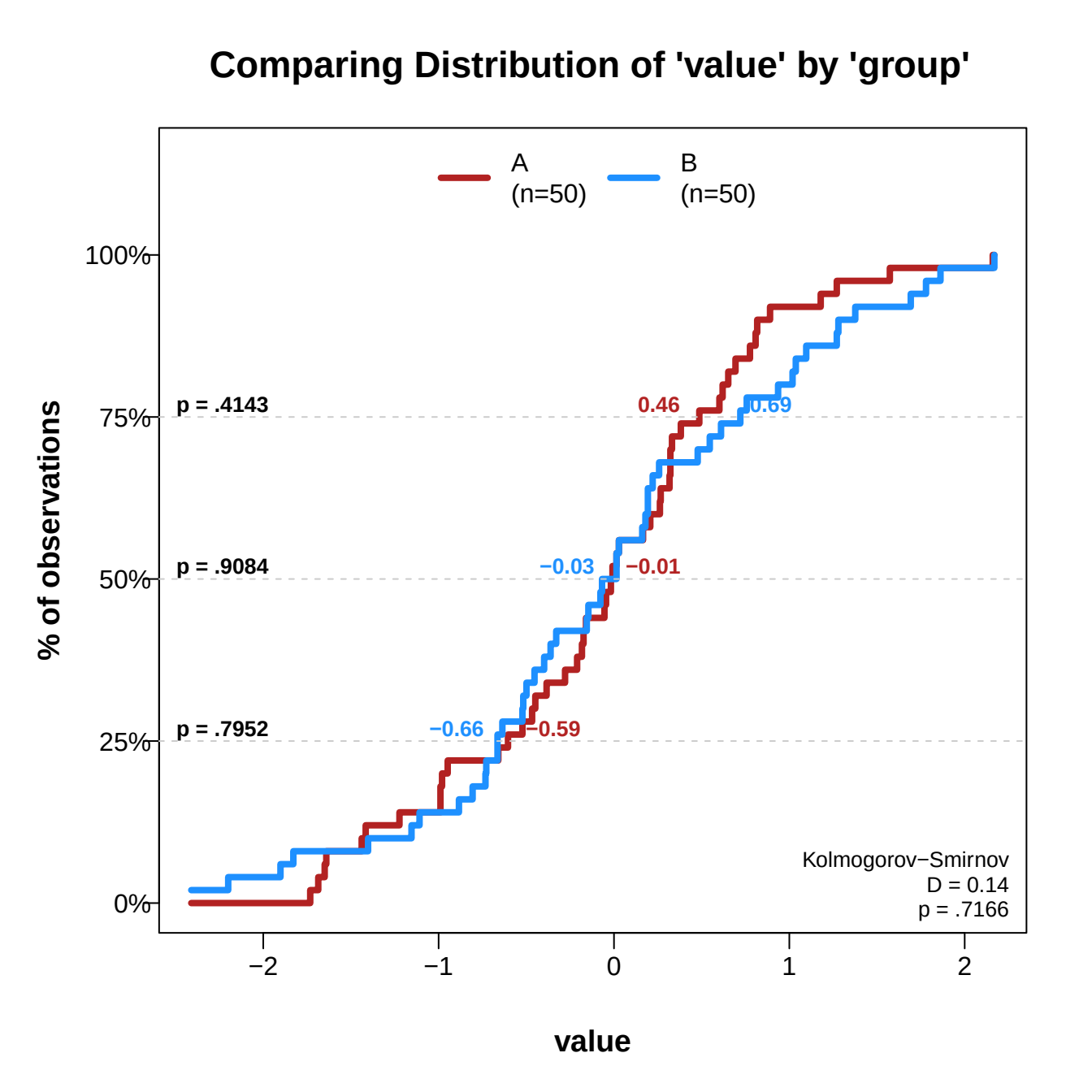

GAM Predicting 'y' with 'x1'
y ~ s(x1) + s(x2)
y
2
0
−2
−4
Density
0.4
0.2
0.0
−3
−2
−1
0
1
2
x1

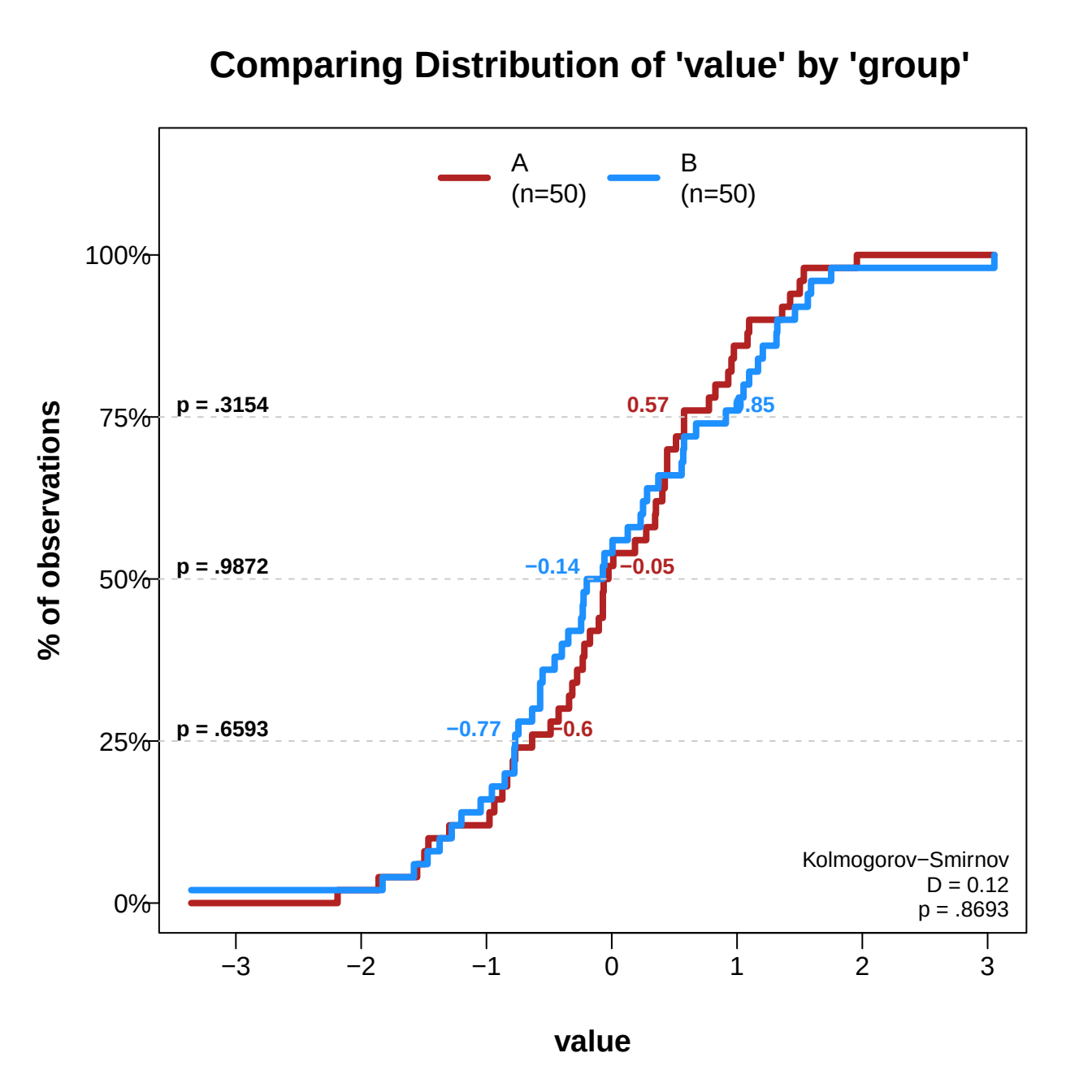

GAM Predicting 'y' with 'x2'
y ~ s(x1) + s(x2)
y
3
2
1
0
−1
−2
−3
Density
0.4
0.2
0.0
−3
−2
−1
0
1
2
3
x2

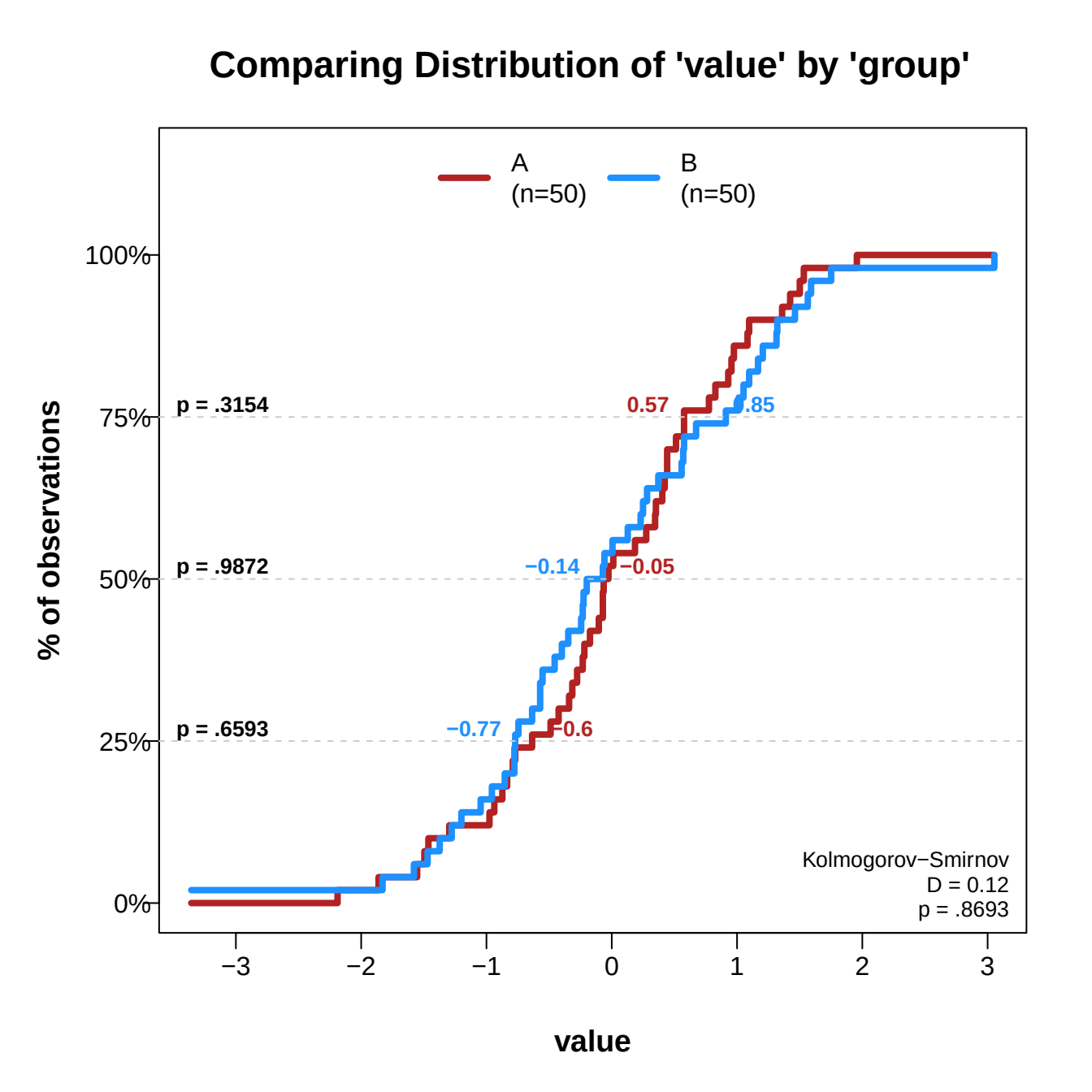

Comparing Distribution of 'y' by 'group'
A
(n=30)
B
(n=40)
C
(n=30)
100%
75%
50%
25%
0%
% of observations
−3
−2
−1
0
1
2
y

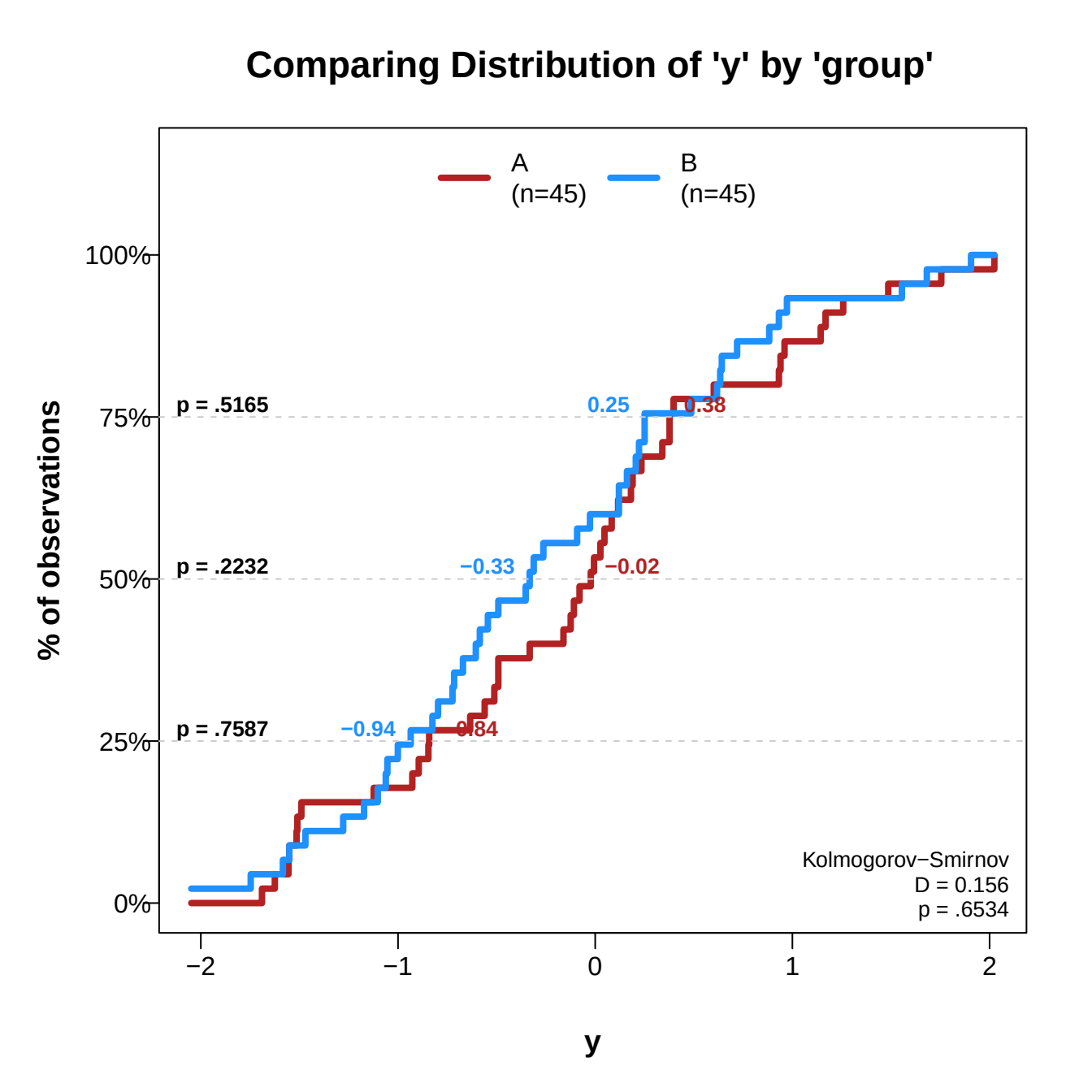

Comparing Distribution of 'y' by 'group'
A
(n=30)
B
(n=40)
C
(n=30)
100%
75%
50%
25%
0%
% of observations
−3
−2
−1
0
1
2
y

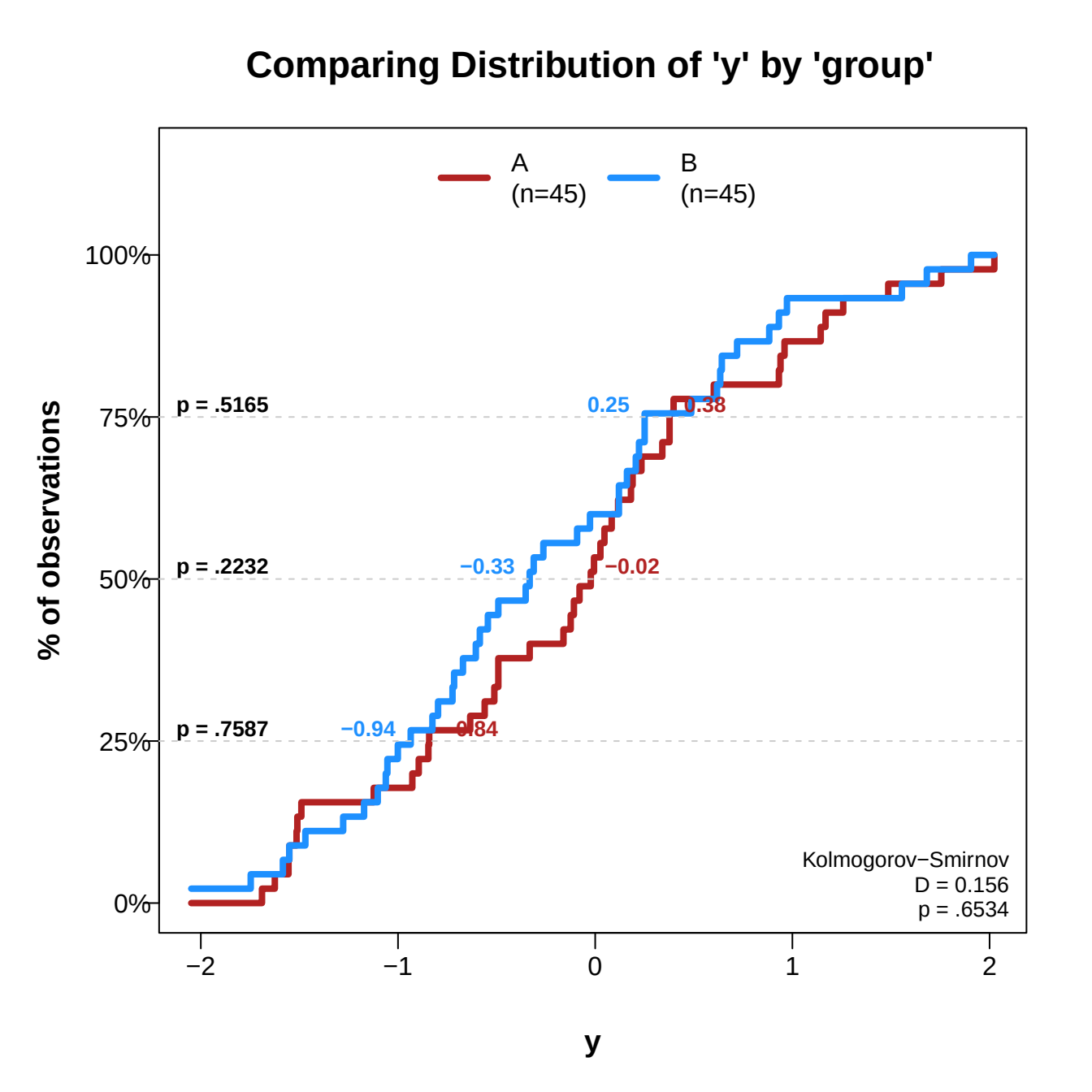

Comparing Distribution of 'value' by 'group'
A
(n=50)
B
(n=50)
100%
75%
50%
25%
0%
% of observations
p = .4143
p = .9084
p = .7952
0.46
0.69
−0.03
−0.01
−0.66
−0.59
Kolmogorov−Smirnov
D = 0.14
p = .7166
−2
−1
0
1
2
value

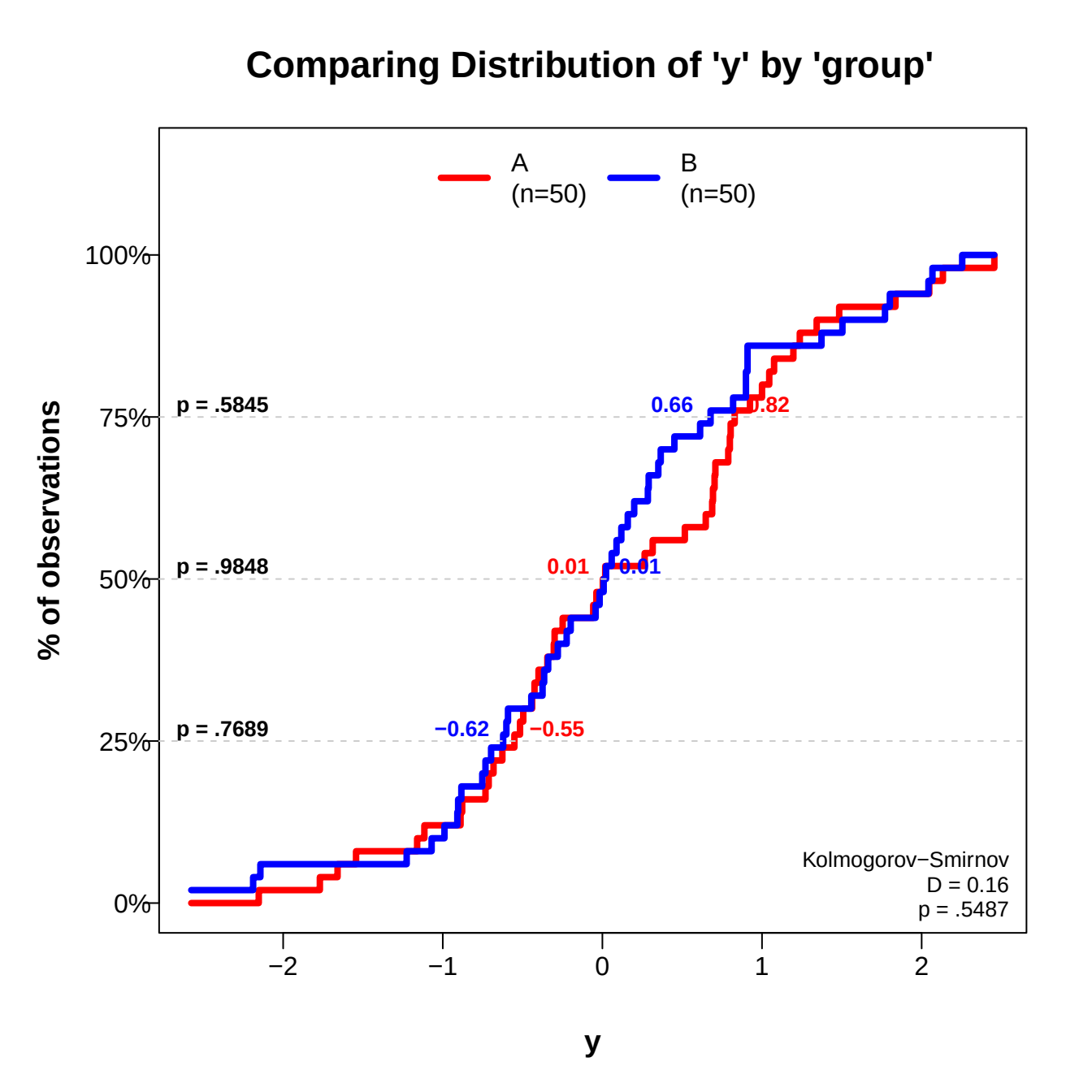

Comparing Distribution of 'value' by 'group'
A
(n=50)
B
(n=50)
100%
75%
50%
25%
0%
% of observations
p = .4143
p = .9084
p = .7952
0.46
0.69
−0.03
−0.01
−0.66
−0.59
Kolmogorov−Smirnov
D = 0.14
p = .7166
−2
−1
0
1
2
value

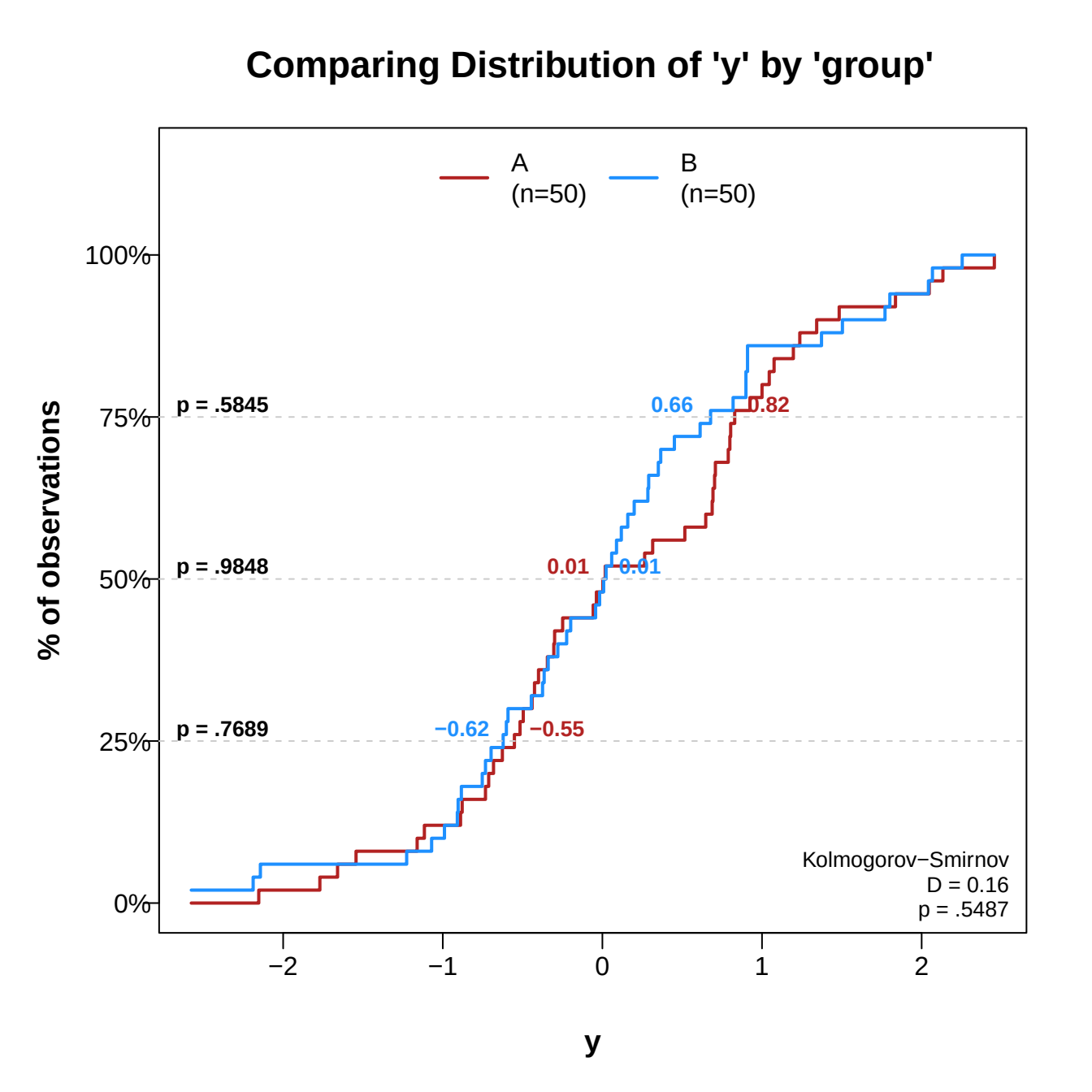

Comparing Distribution of 'value' by 'group'
A
(n=50)
B
(n=50)
100%
75%
50%
25%
0%
% of observations
p = .3154
p = .9872
p = .6593
0.57
.85
−0.14
−0.05
−0.77
0.6
Kolmogorov−Smirnov
D = 0.12
p = .8693
−3
−2
−1
0
1
2
3
value

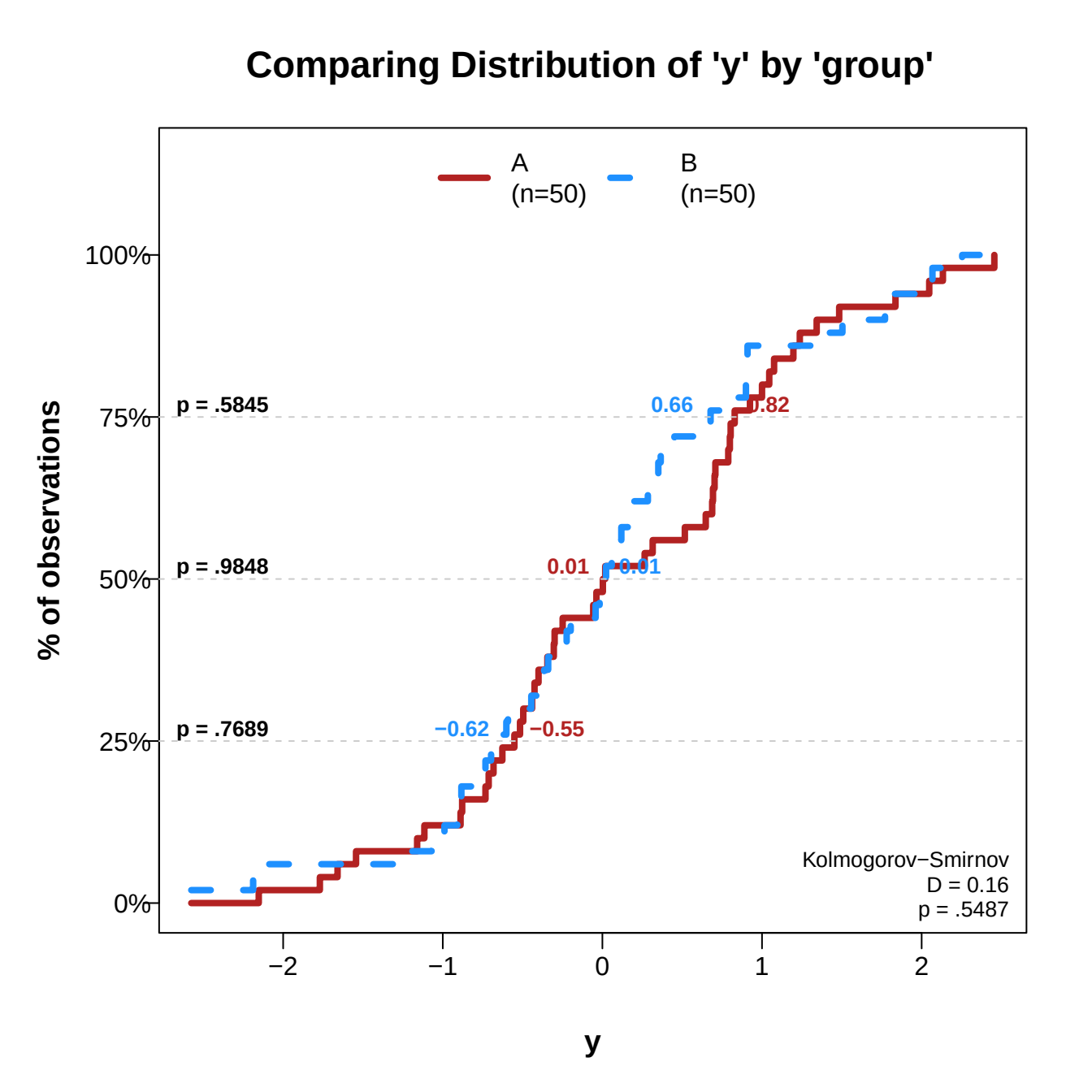

Comparing Distribution of 'value' by 'group'
A
(n=50)
B
(n=50)
100%
75%
50%
25%
0%
% of observations
p = .3154
p = .9872
p = .6593
0.57
.85
−0.14
−0.05
−0.77
0.6
Kolmogorov−Smirnov
D = 0.12
p = .8693
−3
−2
−1
0
1
2
3
value

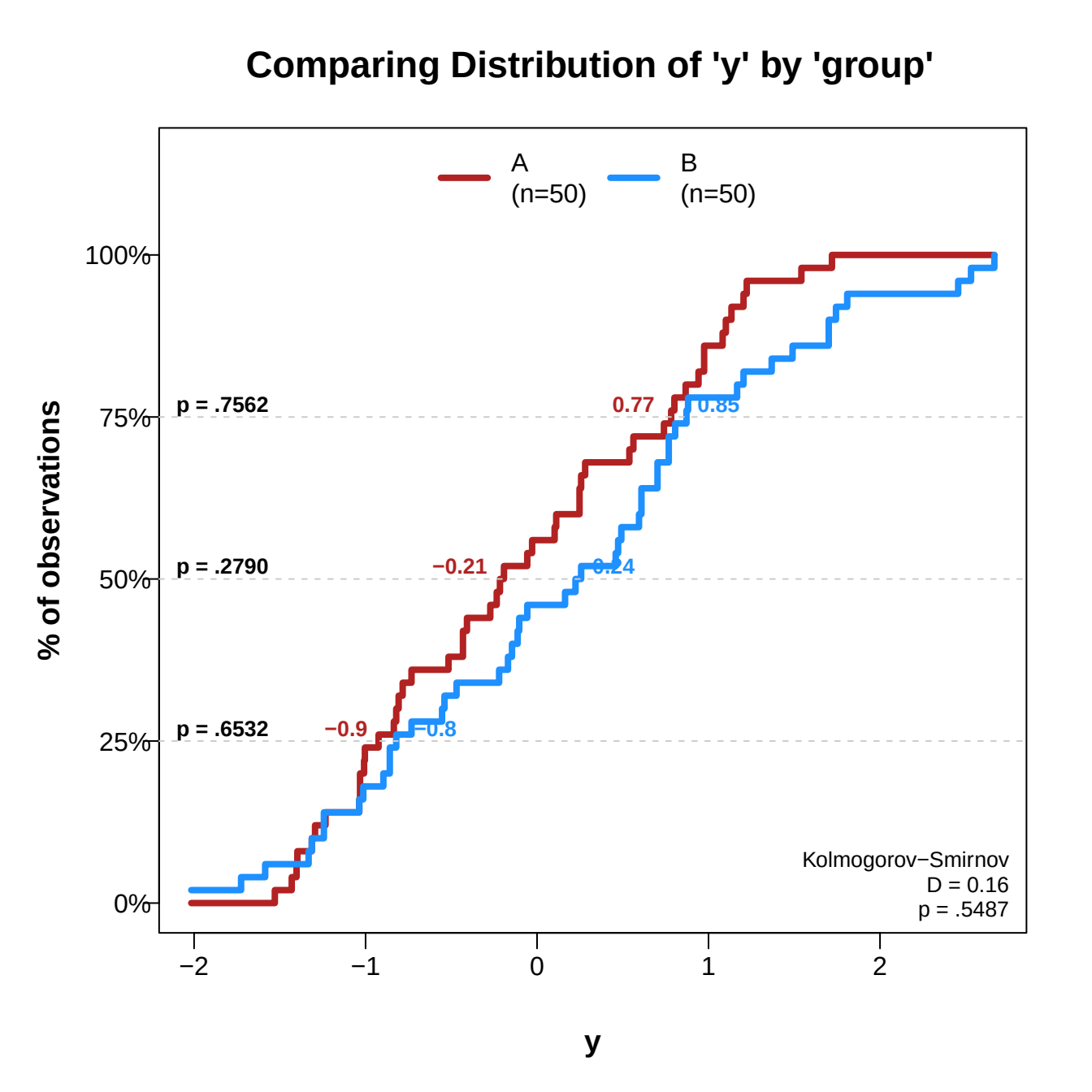

Comparing Distribution of 'y' by 'group'
A
(n=45)
B
(n=45)
100%
75%
50%
25%
0%
% of observations
p = .5165
p = .2232
p = .7587
0.25
0.38
−0.33
−0.02
−0.94
0.84
Kolmogorov−Smirnov
D = 0.156
p = .6534
−2
−1
0
1
2
y

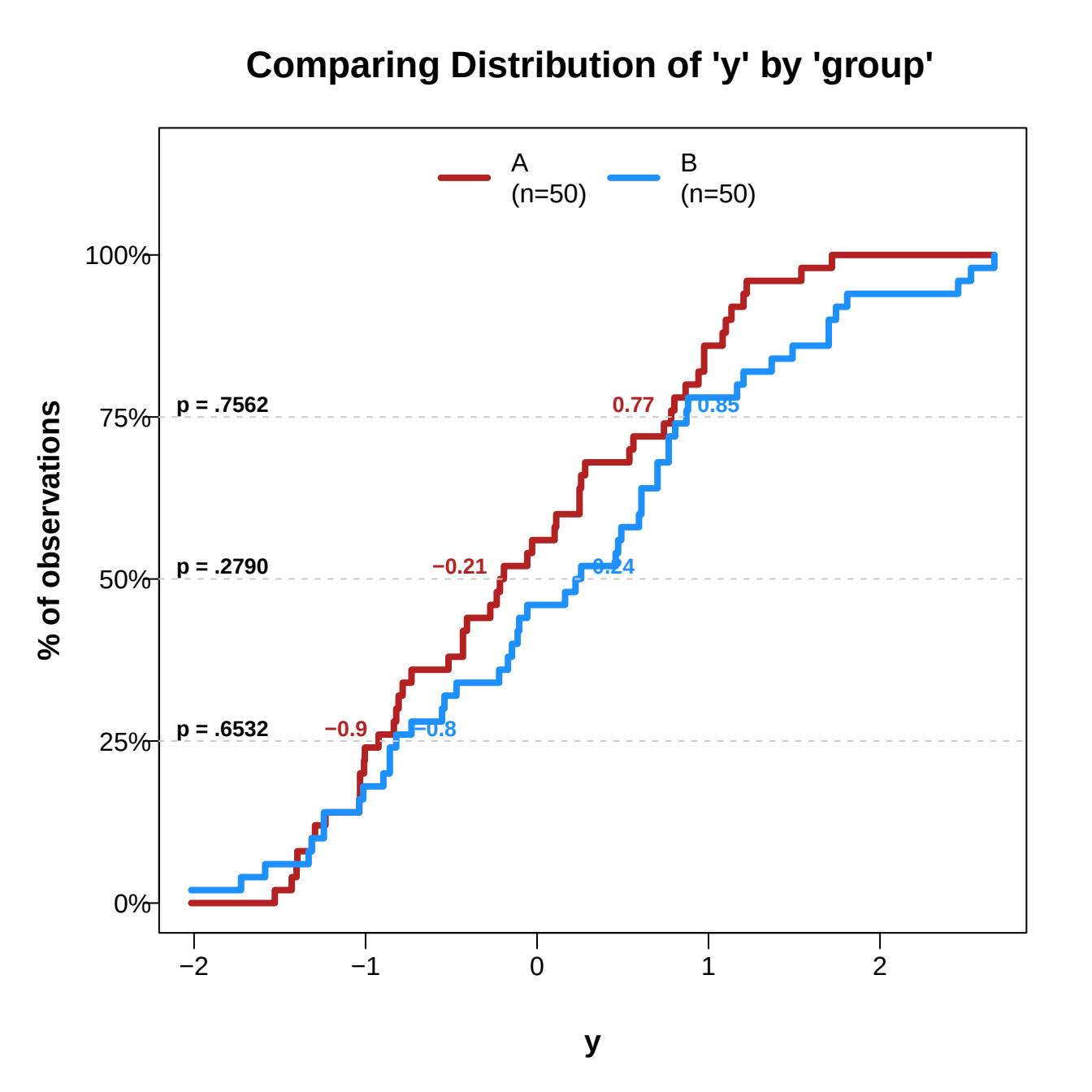

Comparing Distribution of 'y' by 'group'
A
(n=45)
B
(n=45)
100%
75%
50%
25%
0%
% of observations
p = .5165
p = .2232
p = .7587
0.25
0.38
−0.33
−0.02
−0.94
0.84
Kolmogorov−Smirnov
D = 0.156
p = .6534
−2
−1
0
1
2
y

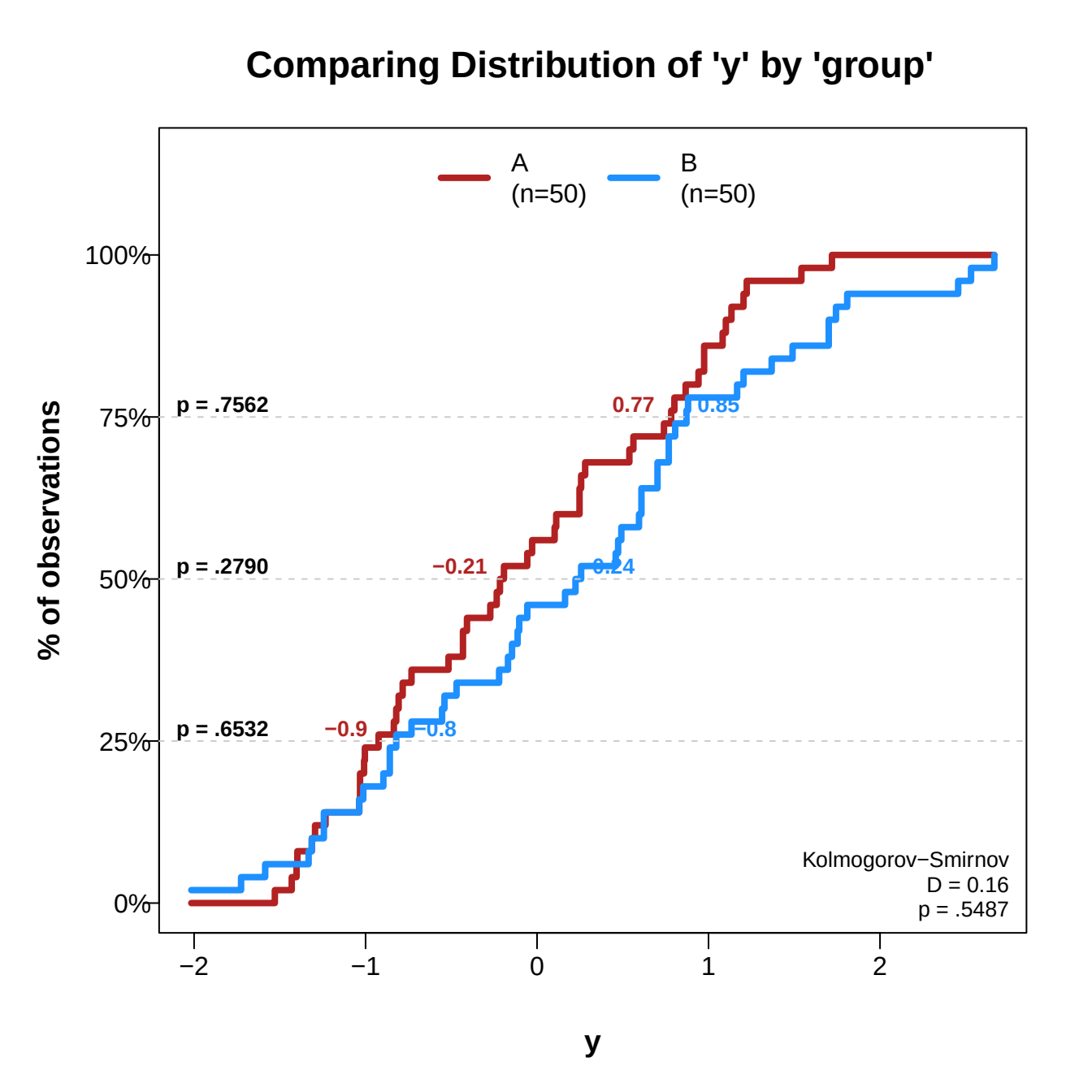

Comparing Distribution of 'y' by 'group'
A
(n=50)
B
(n=50)
100%
75%
50%
25%
0%
% of observations
p = .5845
p = .9848
p = .7689
0.66
0.82
0.01
0.01
−0.62
−0.55
Kolmogorov−Smirnov
D = 0.16
p = .5487
−2
−1
0
1
2
y

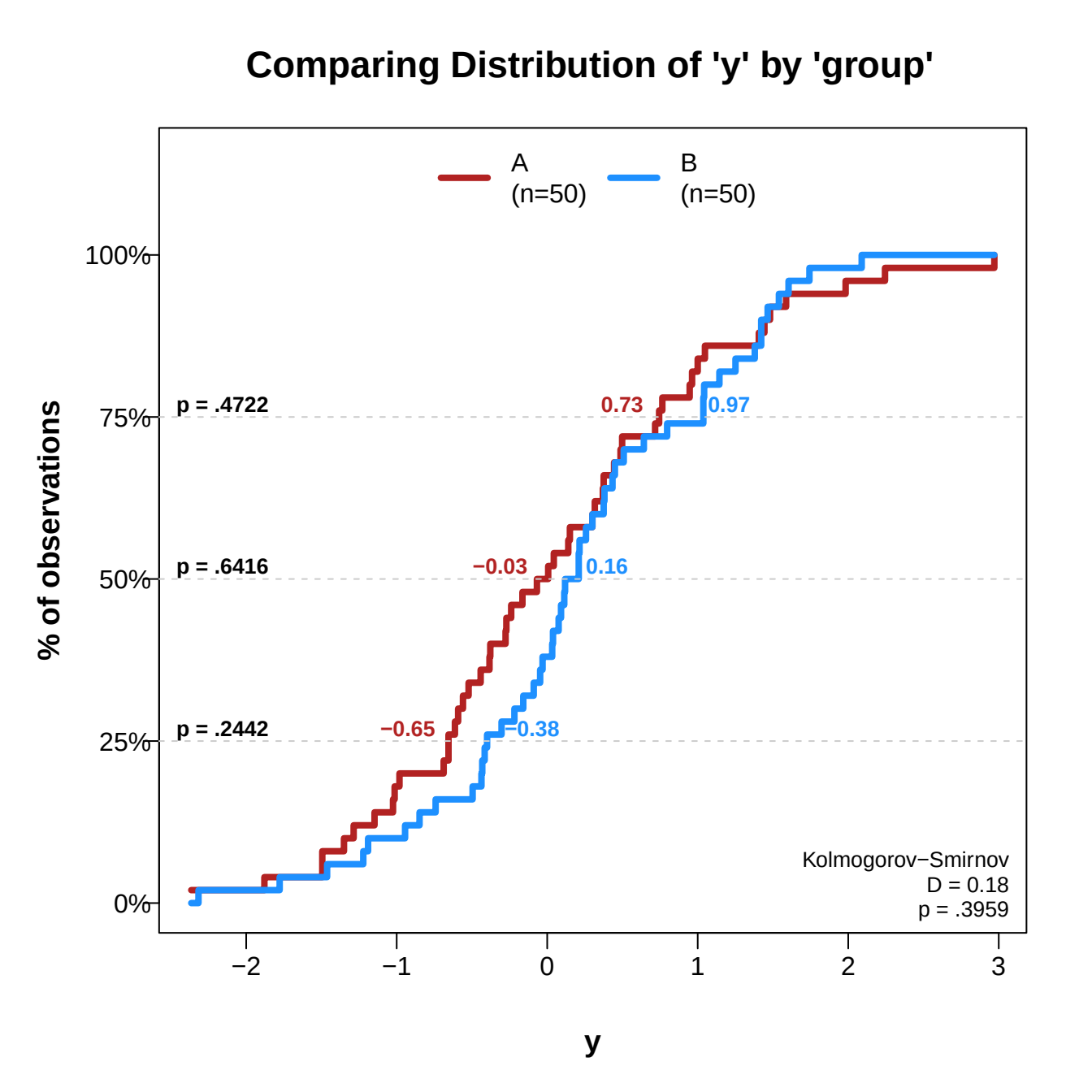

Comparing Distribution of 'y' by 'group'
A
(n=50)
B
(n=50)
100%
75%
50%
25%
0%
% of observations
p = .5845
p = .9848
p = .7689
0.66
0.82
0.01
0.01
−0.62
−0.55
Kolmogorov−Smirnov
D = 0.16
p = .5487
−2
−1
0
1
2
y

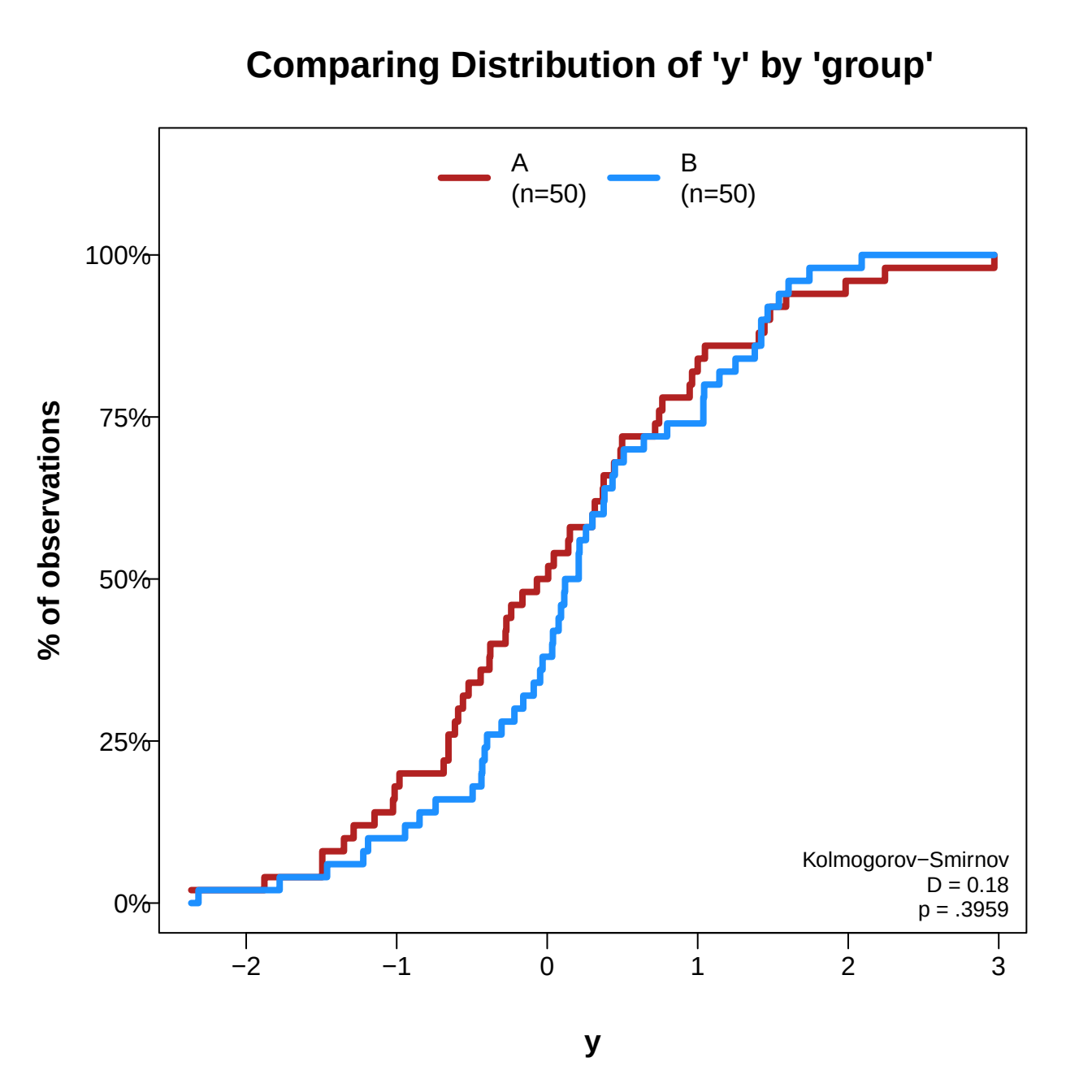

Comparing Distribution of 'y' by 'group'
A
(n=50)
B
(n=50)
100%
75%
50%
25%
0%
% of observations
p = .5845
p = .9848
p = .7689
0.66
0.82
0.01
−0.01
−0.62
−0.55
Kolmogorov−Smirnov
D = 0.16
p = .5487
−2
−1
0
1
2
y

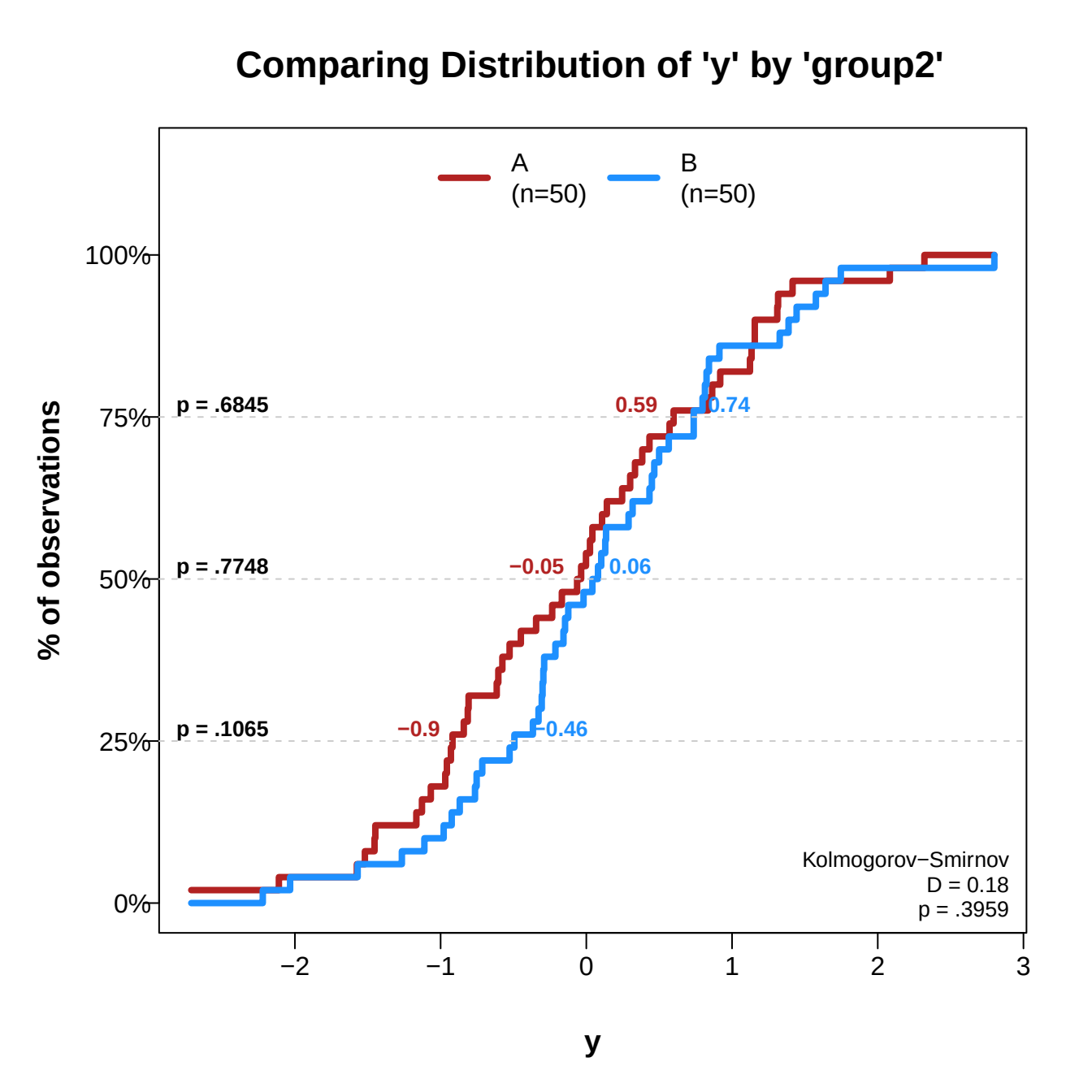

Comparing Distribution of 'y' by 'group'
A
(n=50)
B
(n=50)
100%
75%
50%
25%
0%
% of observations
p = .7562
p = .2790
p = .6532
0.77
0.85
−0.21
0.24
−0.9
−0.8
Kolmogorov−Smirnov
D = 0.16
p = .5487
−2
−1
0
1
2
y

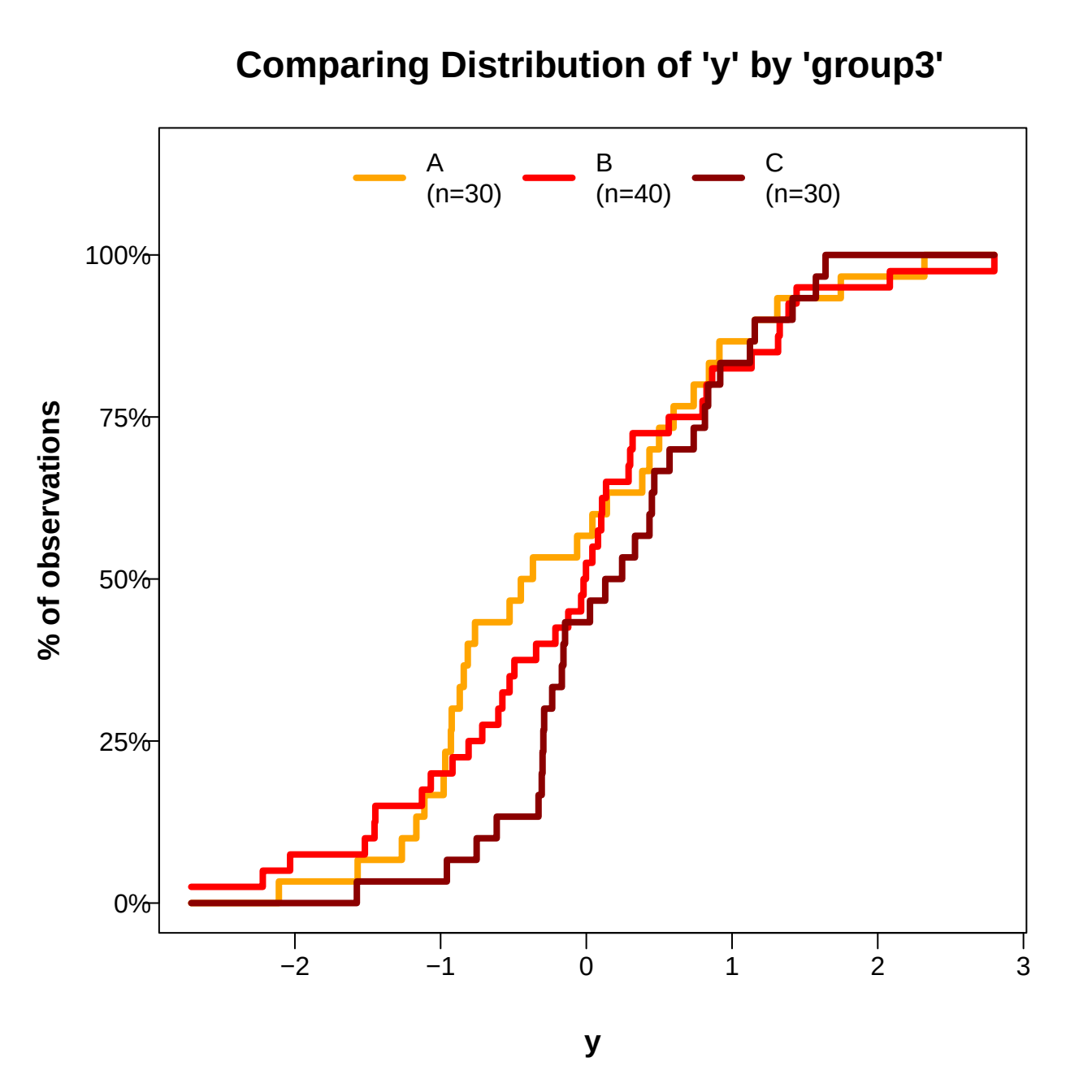

Comparing Distribution of 'y' by 'group'
A
(n=50)
B
(n=50)
100%
75%
50%
25%
0%
% of observations
p = .7562
p = .2790
p = .6532
0.77
0.85
−0.21
0.24
−0.9
0.8
−2
−1
0
1
2
y

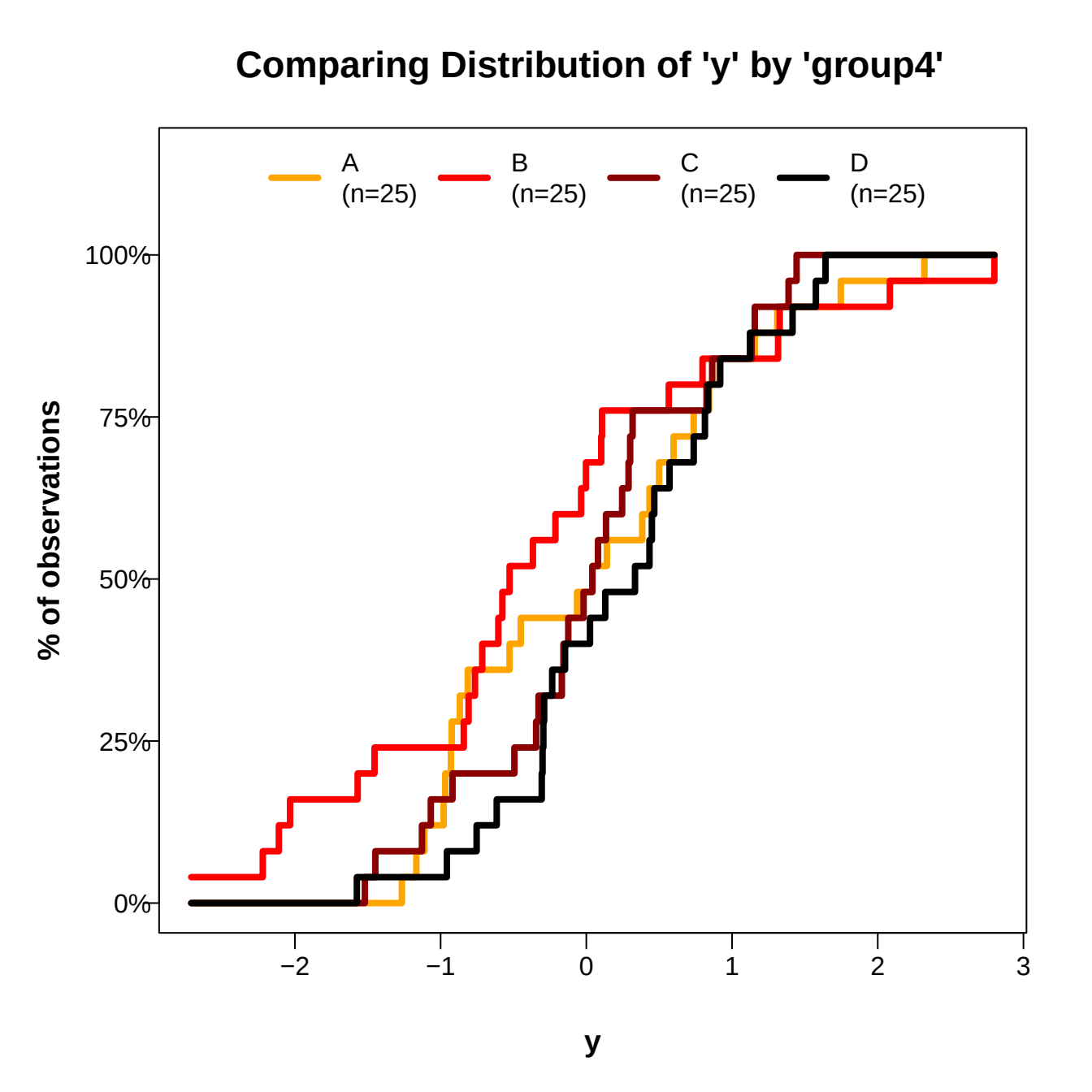

Comparing Distribution of 'y' by 'group'
A
(n=50)
B
(n=50)
100%
75%
50%
25%
0%
% of observations
p = .7562
p = .2790
p = .6532
0.77
0.85
−0.21
0.24
−0.9
−0.8
Kolmogorov−Smirnov
D = 0.16
p = .5487
−2
−1
0
1
2
y

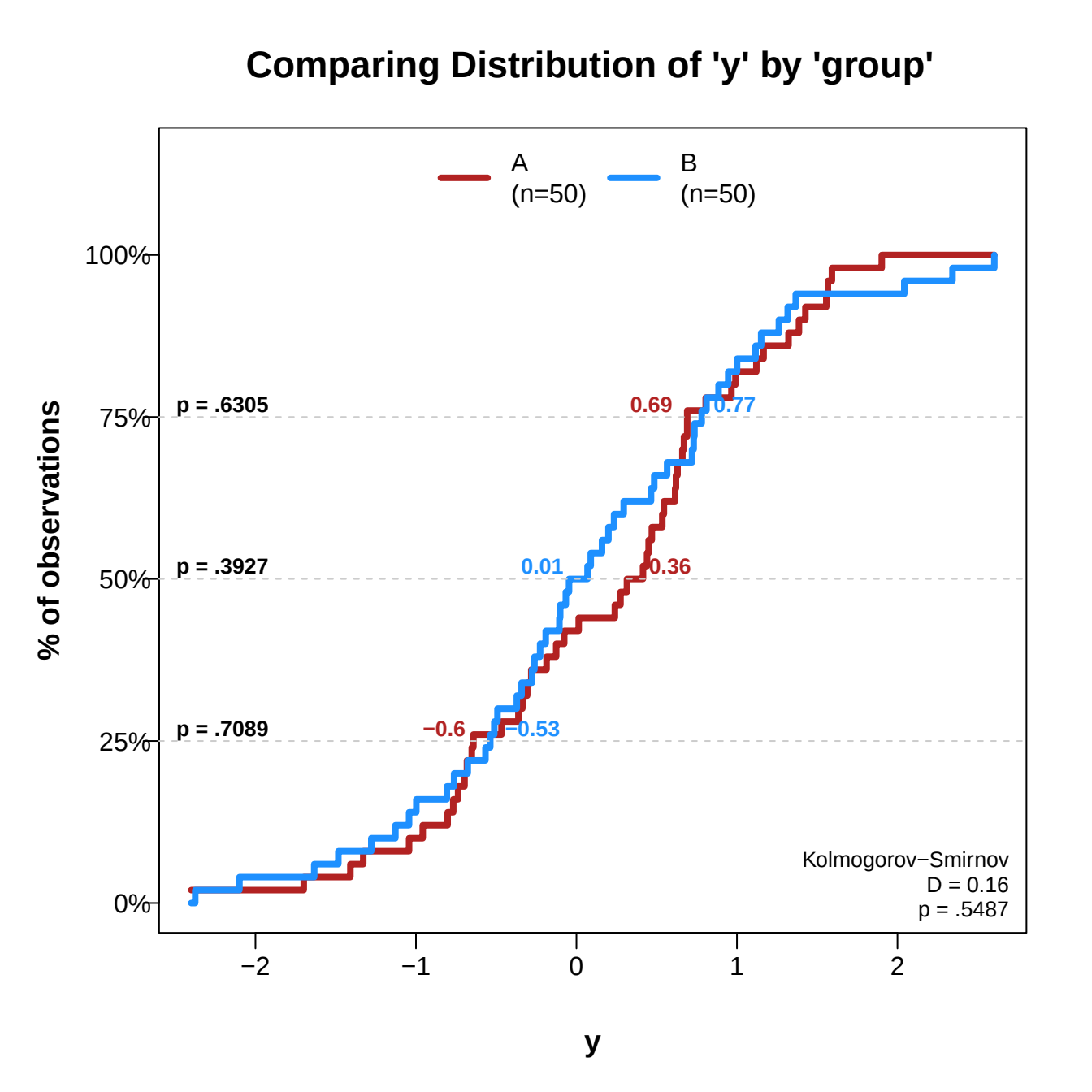

Comparing Distribution of 'y' by 'group'
A
(n=50)
B
(n=50)
100%
75%
50%
25%
0%
% of observations
p = .4722
p = .6416
p = .2442
0.73
0.97
−0.03
0.16
−0.65
−0.38
Kolmogorov−Smirnov
D = 0.18
p = .3959
−2
−1
0
1
2
3
y

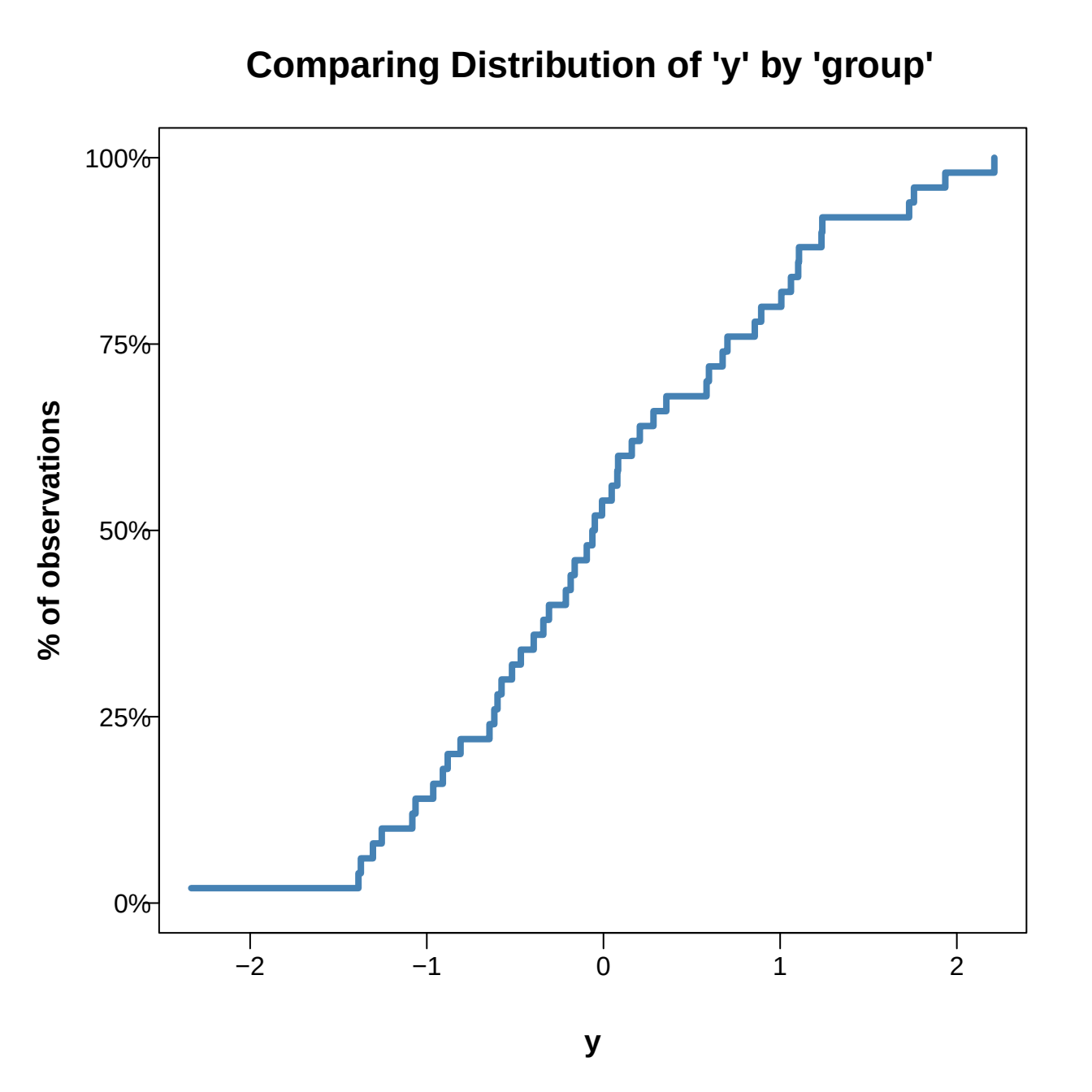

Comparing Distribution of 'y' by 'group'
A
(n=50)
B
(n=50)
100%
75%
50%
25%
0%
% of observations
−2
−1
0
1
2
3
y
Kolmogorov−Smirnov
D = 0.18
p = .3959

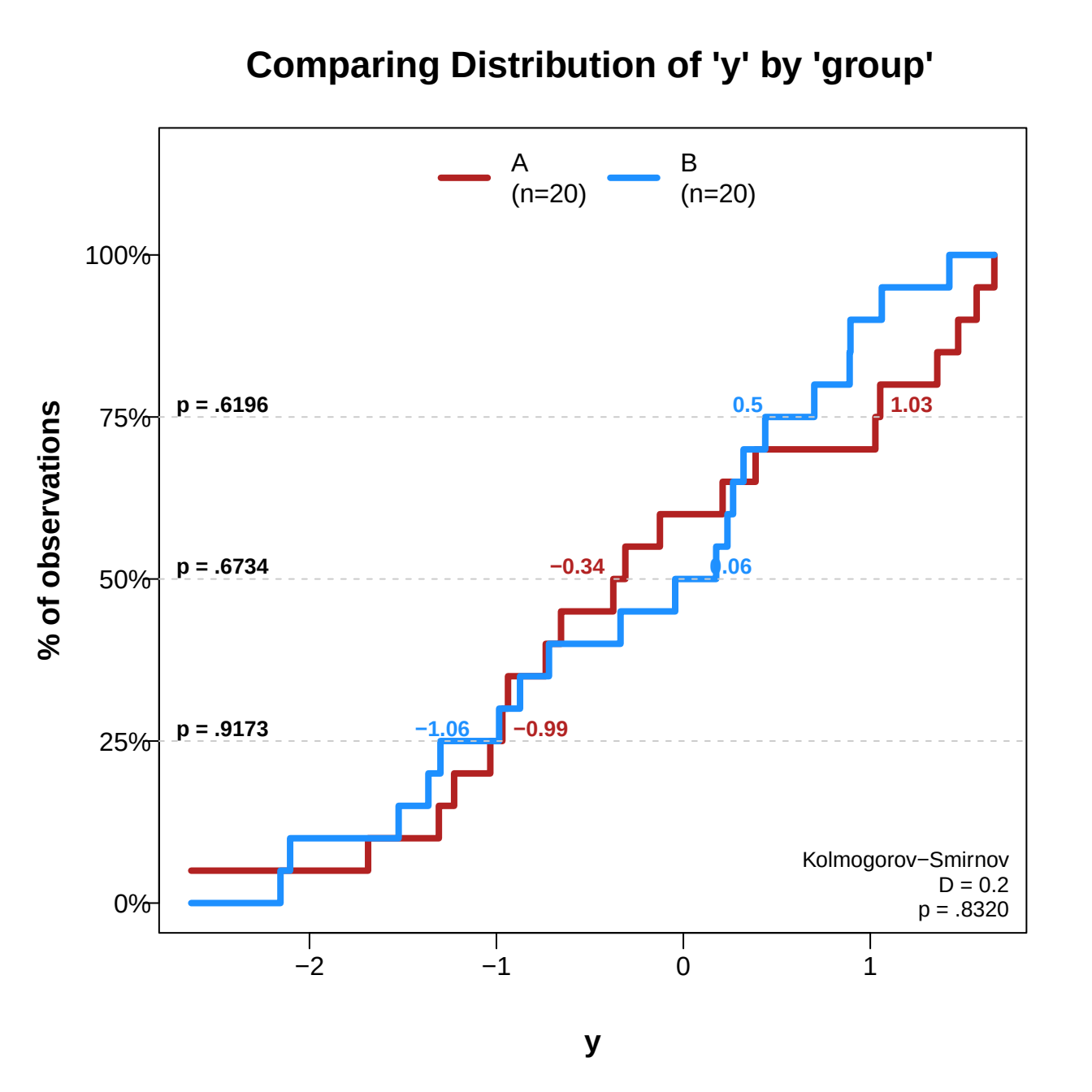

Comparing Distribution of 'y' by 'group2'
A
(n=50)
B
(n=50)
100%
75%
50%
25%
0%
% of observations
p = .6845
p = .7748
p = .1065
0.59
0.74
−0.05
0.06
−0.9
−0.46
Kolmogorov−Smirnov
D = 0.18
p = .3959
−2
−1
0
1
2
3
y

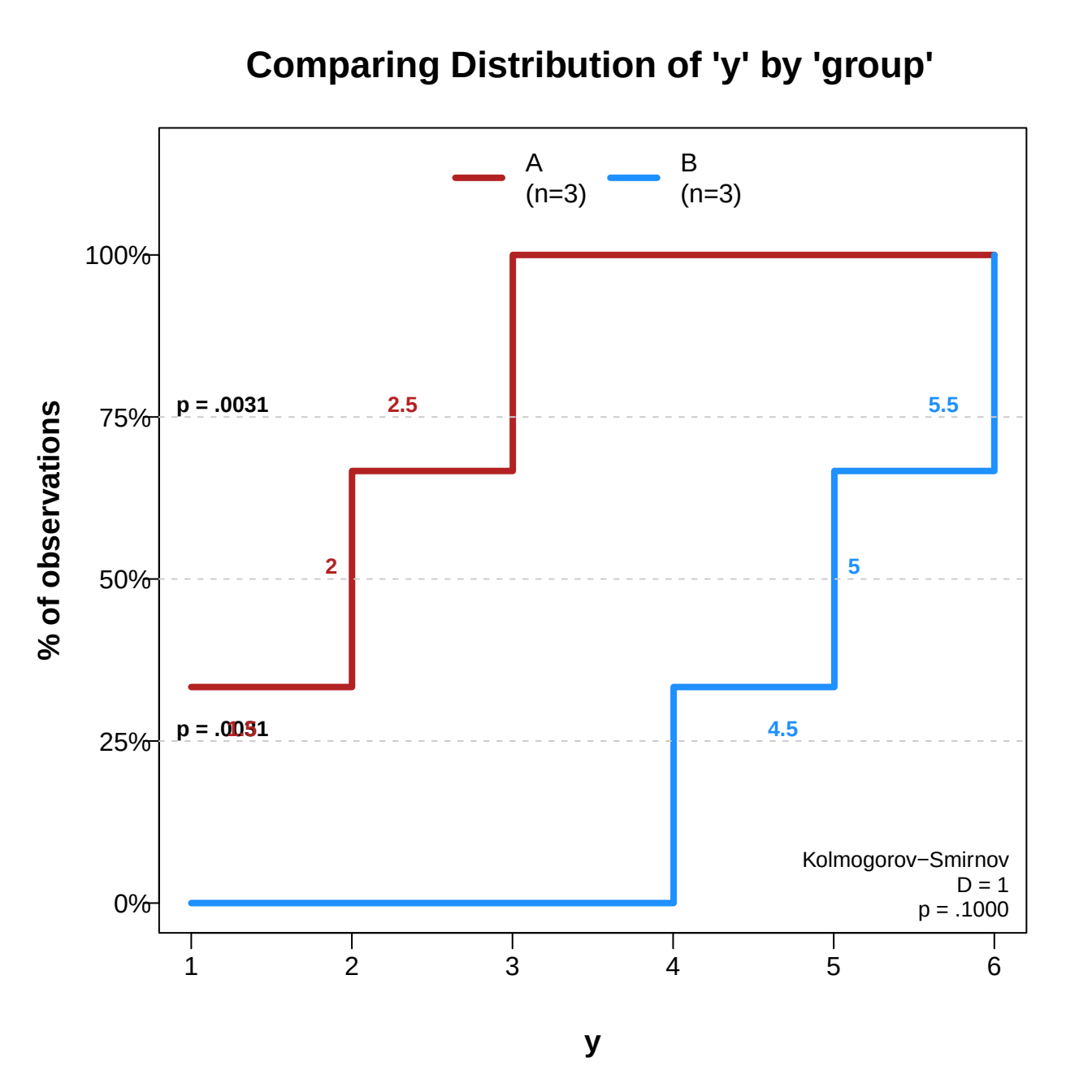

Comparing Distribution of 'y' by 'group3'
A
(n=30)
B
(n=40)
C
(n=30)
100%
75%
50%
25%
0%
% of observations
−2
−1
0
1
2
3
y

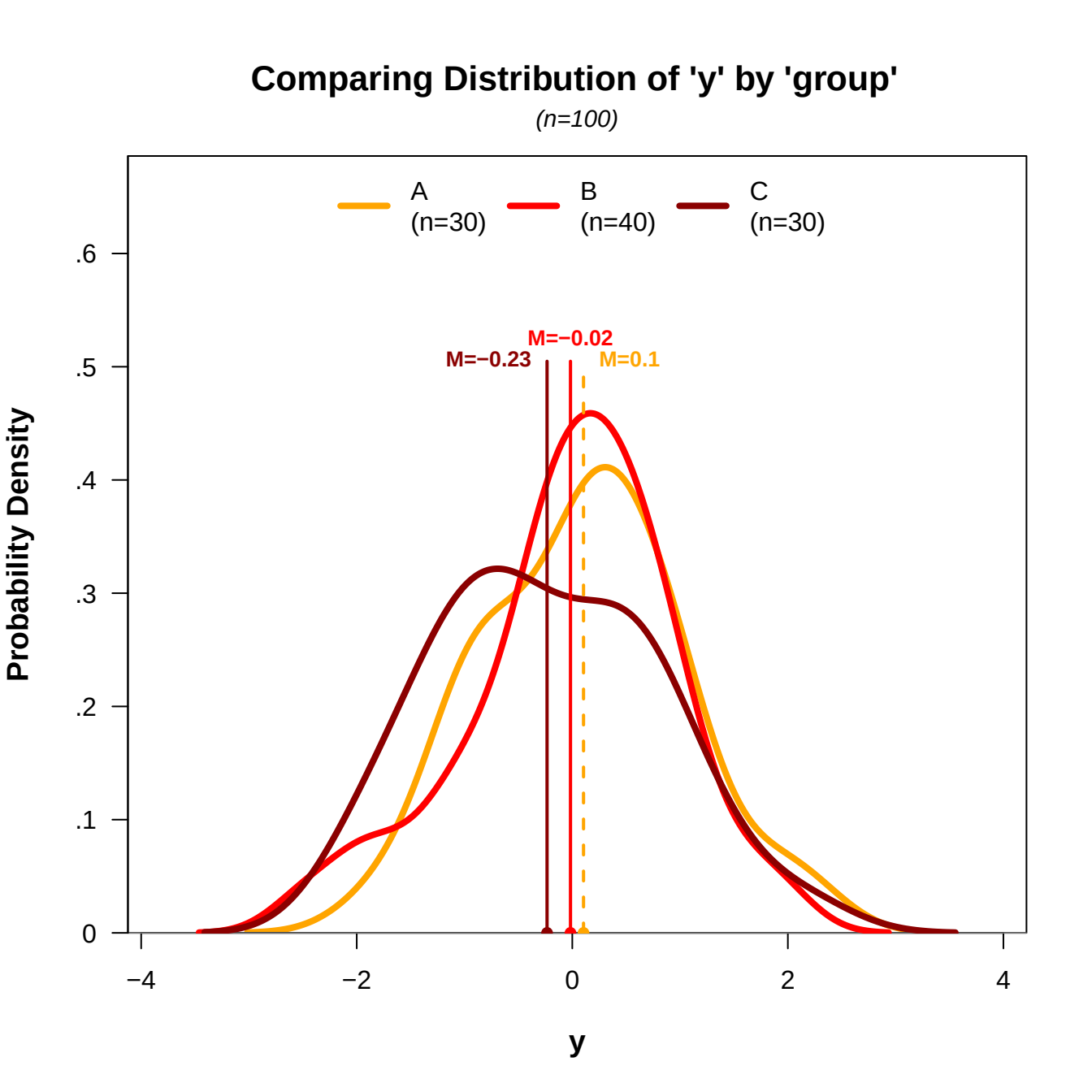

Comparing Distribution of 'y' by 'group4'
A
(n=25)
B
(n=25)
C
(n=25)
D
(n=25)
100%
75%
50%
25%
0%
% of observations
−2
−1
0
1
2
3
y

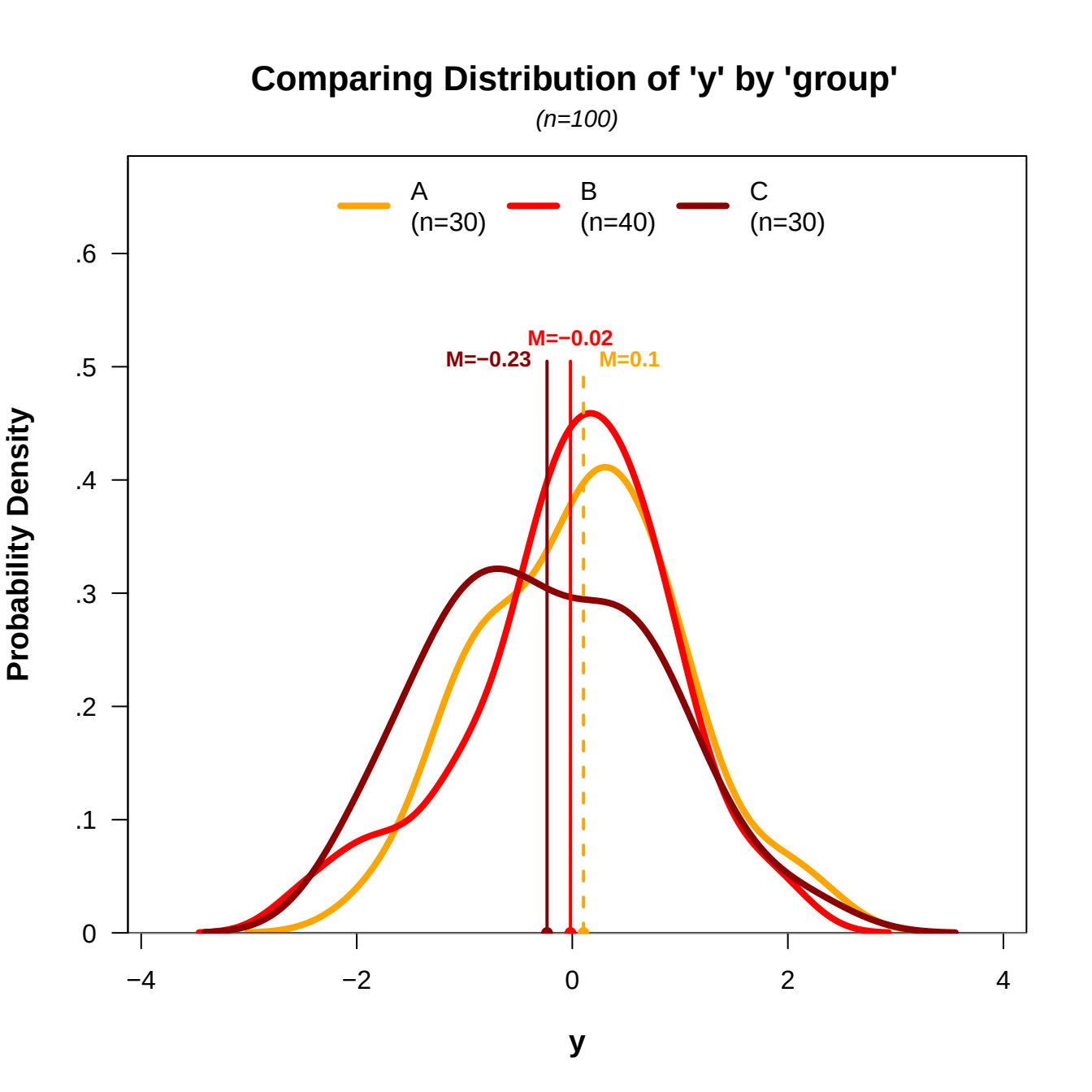

Comparing Distribution of 'y' by 'group'
A
(n=50)
B
(n=50)
100%
75%
50%
25%
0%
% of observations
p = .6305
p = .3927
p = .7089
0.69
0.77
0.01
0.36
−0.6
−0.53
Kolmogorov−Smirnov
D = 0.16
p = .5487
−2
−1
0
1
2
y

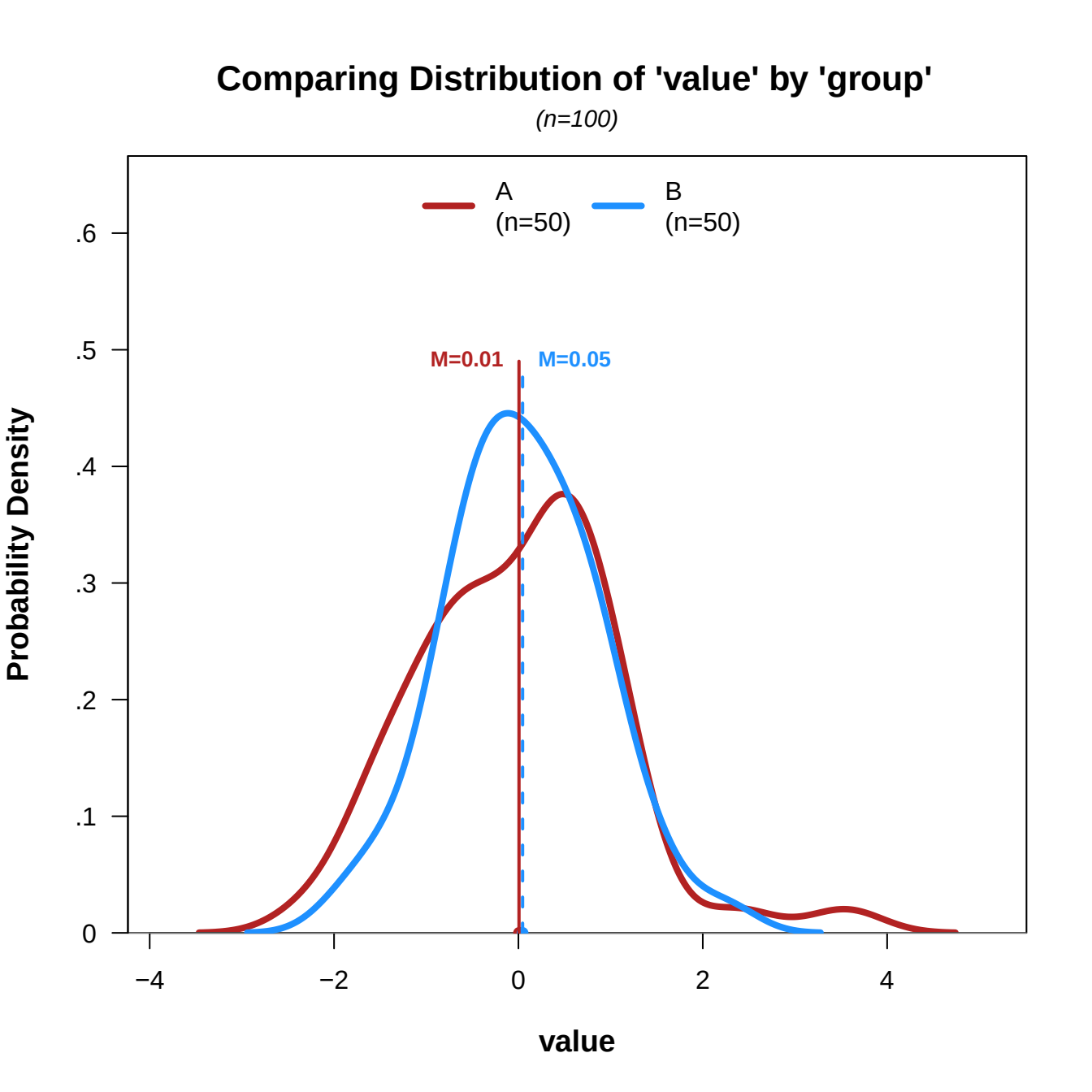

Comparing Distribution of 'y' by 'group'
100%
75%
50%
25%
0%
% of observations
−2
−1
0
1
2
y

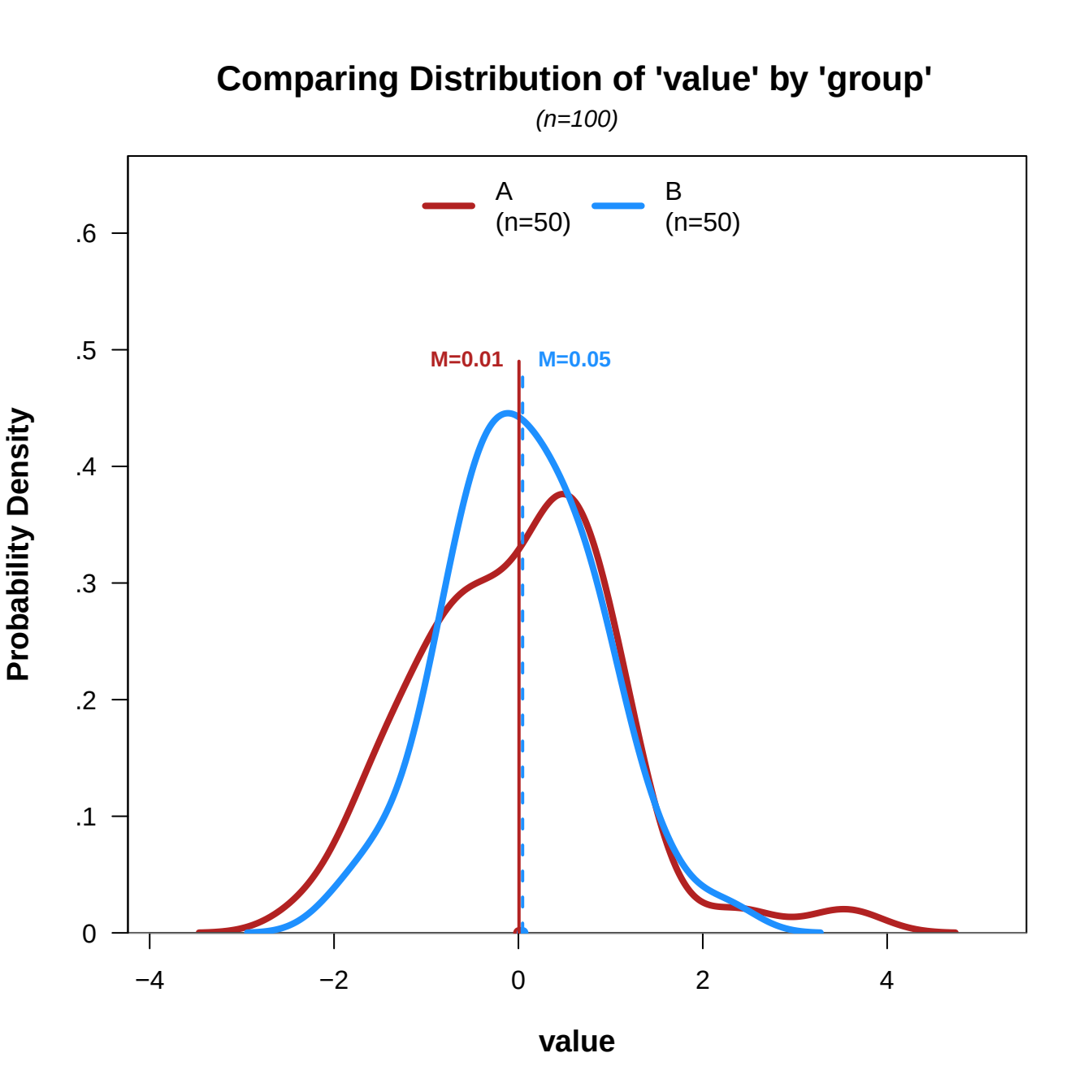

Comparing Distribution of 'y' by 'group'
A
(n=20)
B
(n=20)
100%
75%
50%
25%
0%
% of observations
p = .6196
p = .6734
p = .9173
0.5
1.03
−0.34
.06
−1.06
−0.99
Kolmogorov−Smirnov
D = 0.2
p = .8320
−2
−1
0
1
y

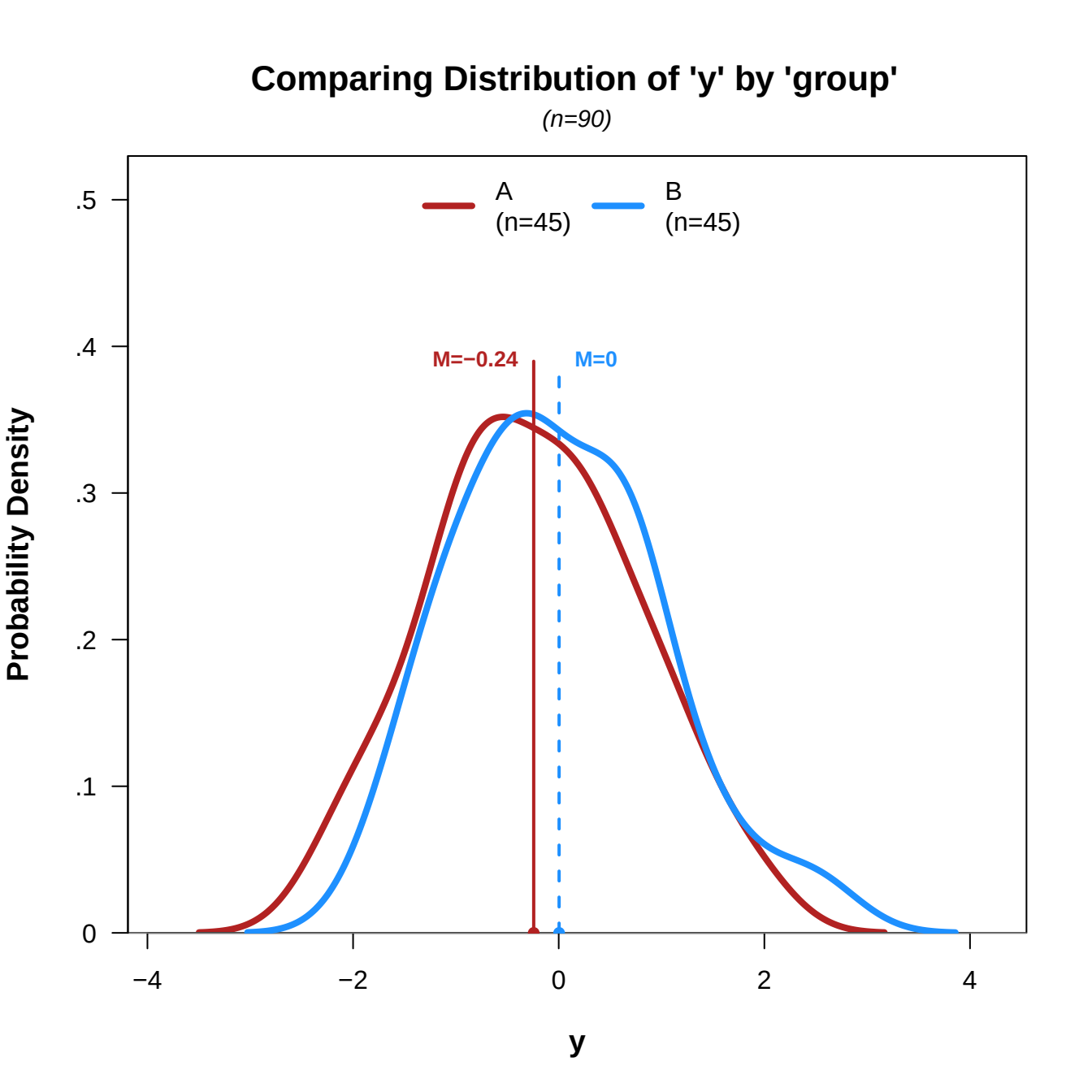

Comparing Distribution of 'y' by 'group'
A
(n=3)
B
(n=3)
100%
75%
50%
25%
0%
% of observations
p = .0031
2.5
5.5
2
5
4.5
Kolmogorov−Smirnov
D = 1
p = .1000
1
2
3
4
5
6
y

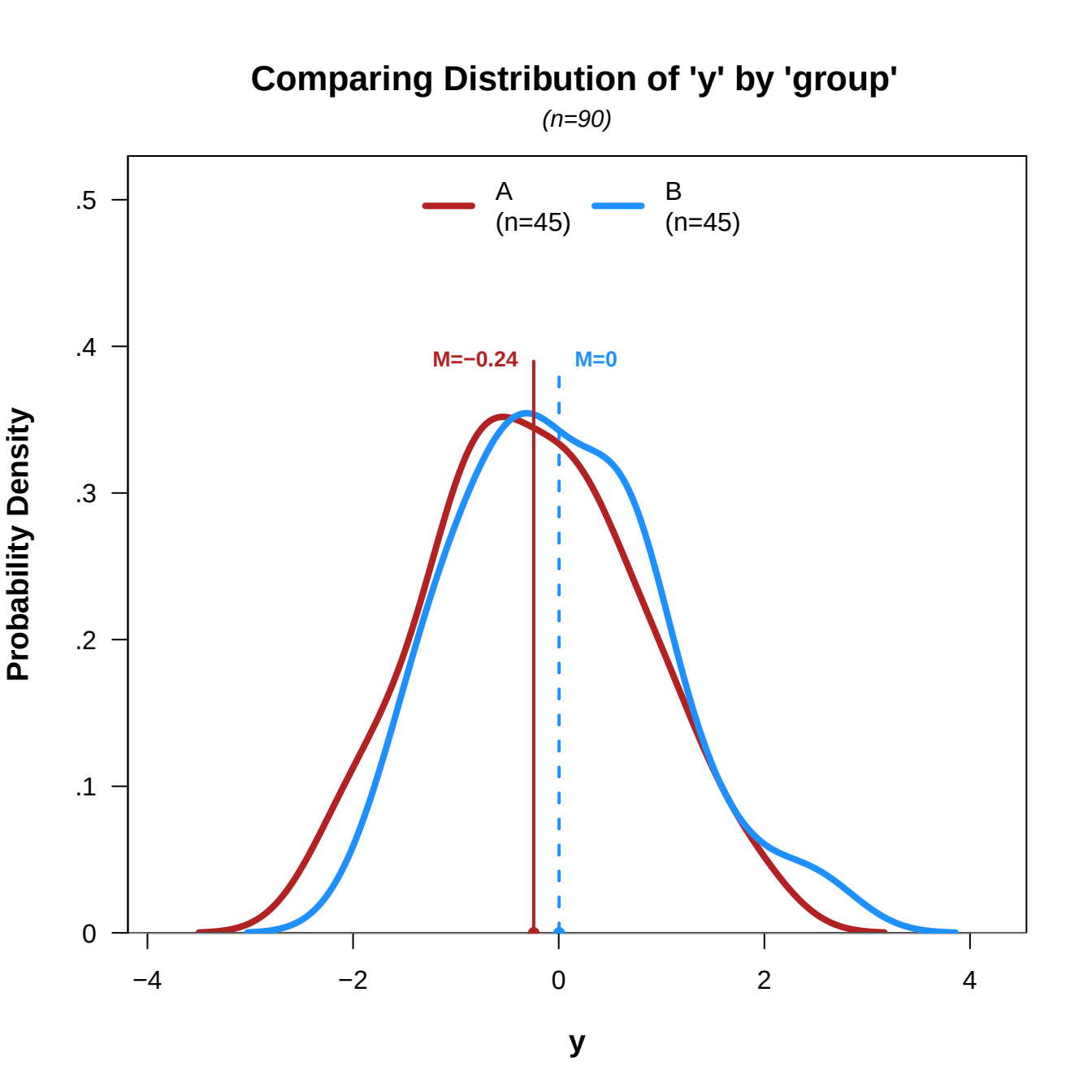

Comparing Distribution of 'y' by 'group'
(n=100)
A
(n=30)
B
(n=40)
C
(n=30)
M=−0.02
M=−0.23
M=0.1
Probability Density
.6
.5
.4
.3
.2
.1
0
−4
−2
0
2
4
y

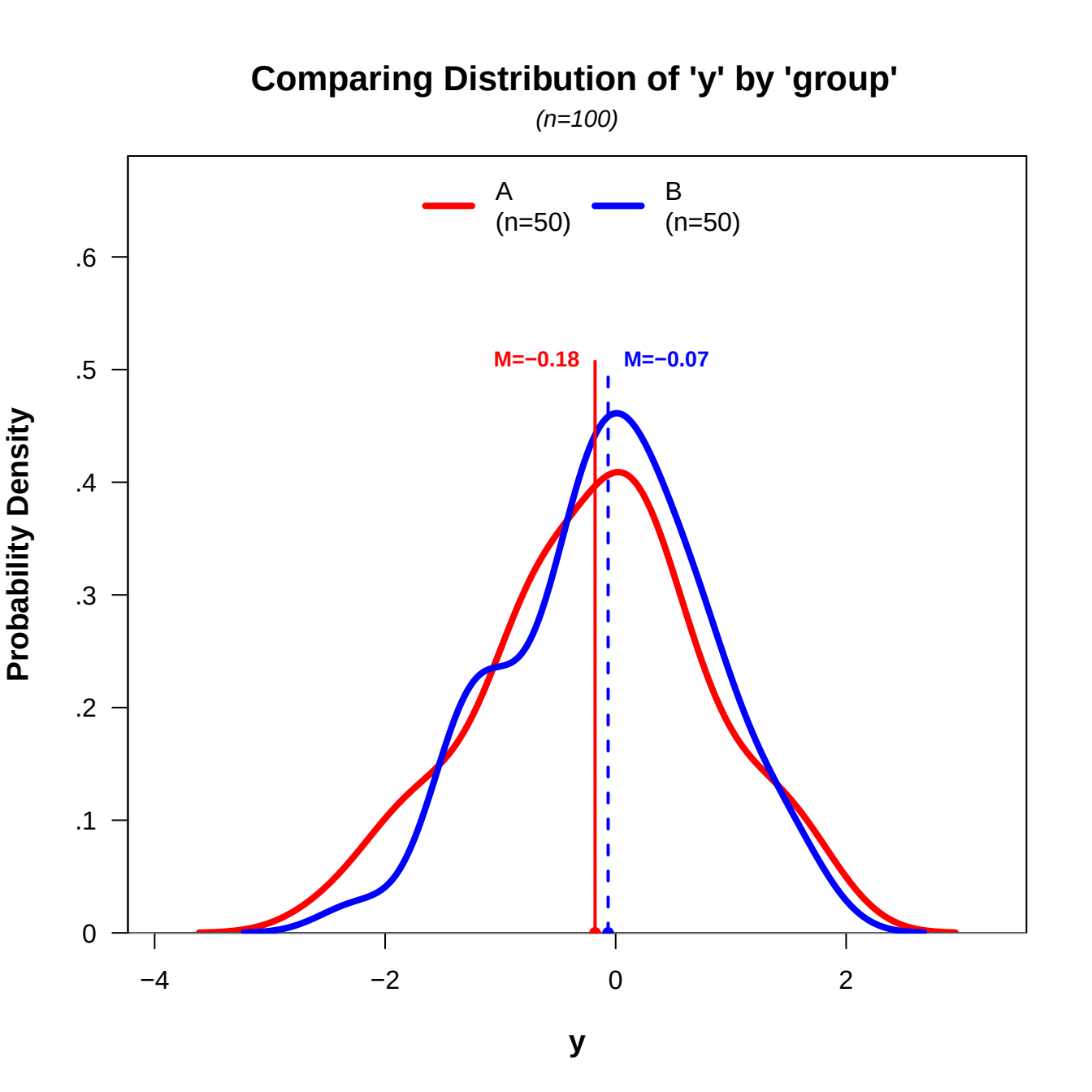

Comparing Distribution of 'y' by 'group'
(n=100)
A
(n=30)
B
(n=40)
C
(n=30)
M=−0.02
M=−0.23
M=0.1
Probability Density
.6
.5
.4
.3
.2
.1
0
−4
−2
0
2
4
y

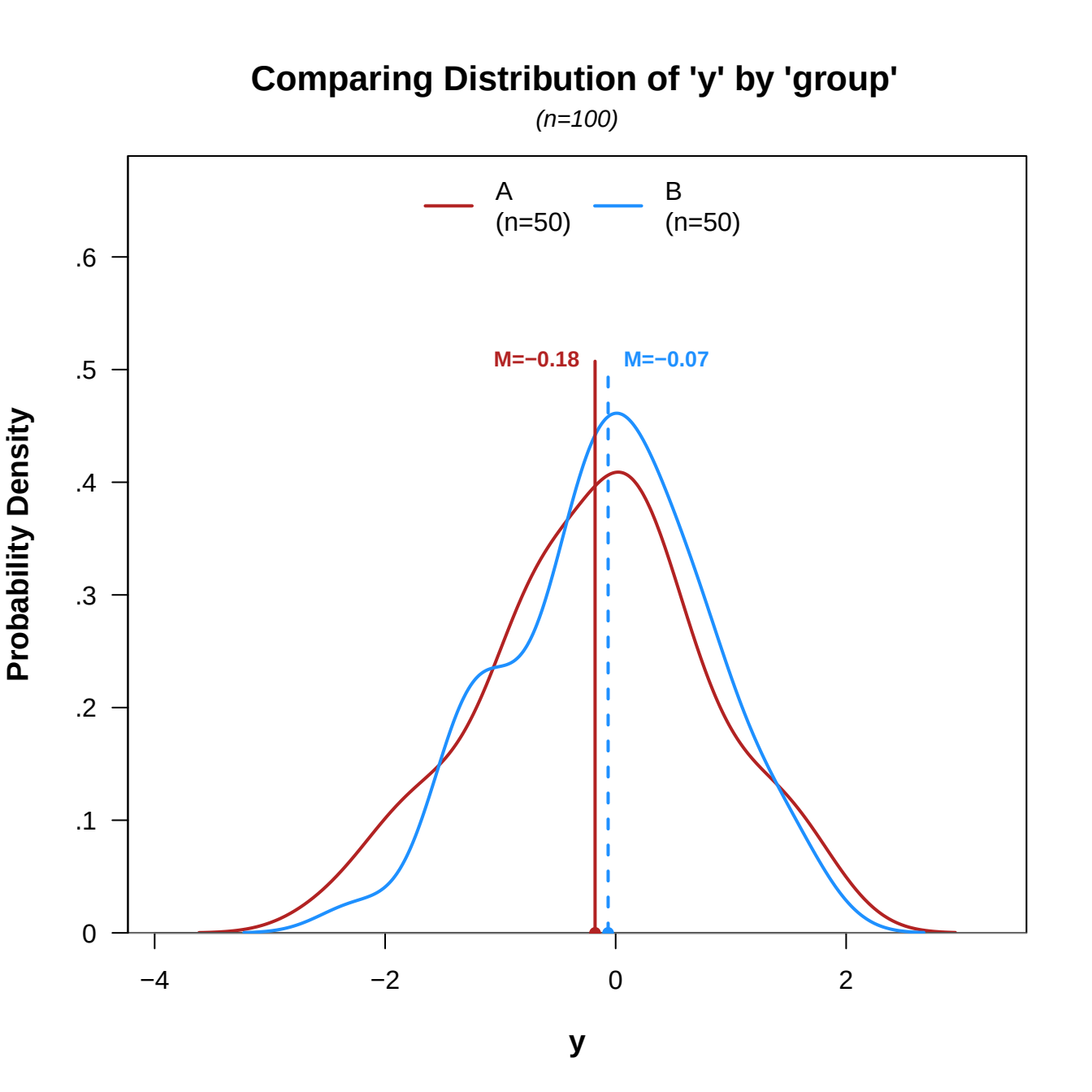

Comparing Distribution of 'value' by 'group'
(n=100)
A
(n=50)
B
(n=50)
M=0.01
M=0.05
Probability Density
.6
.5
.4
.3
.2
.1
0
−4
−2
0
2
4
value

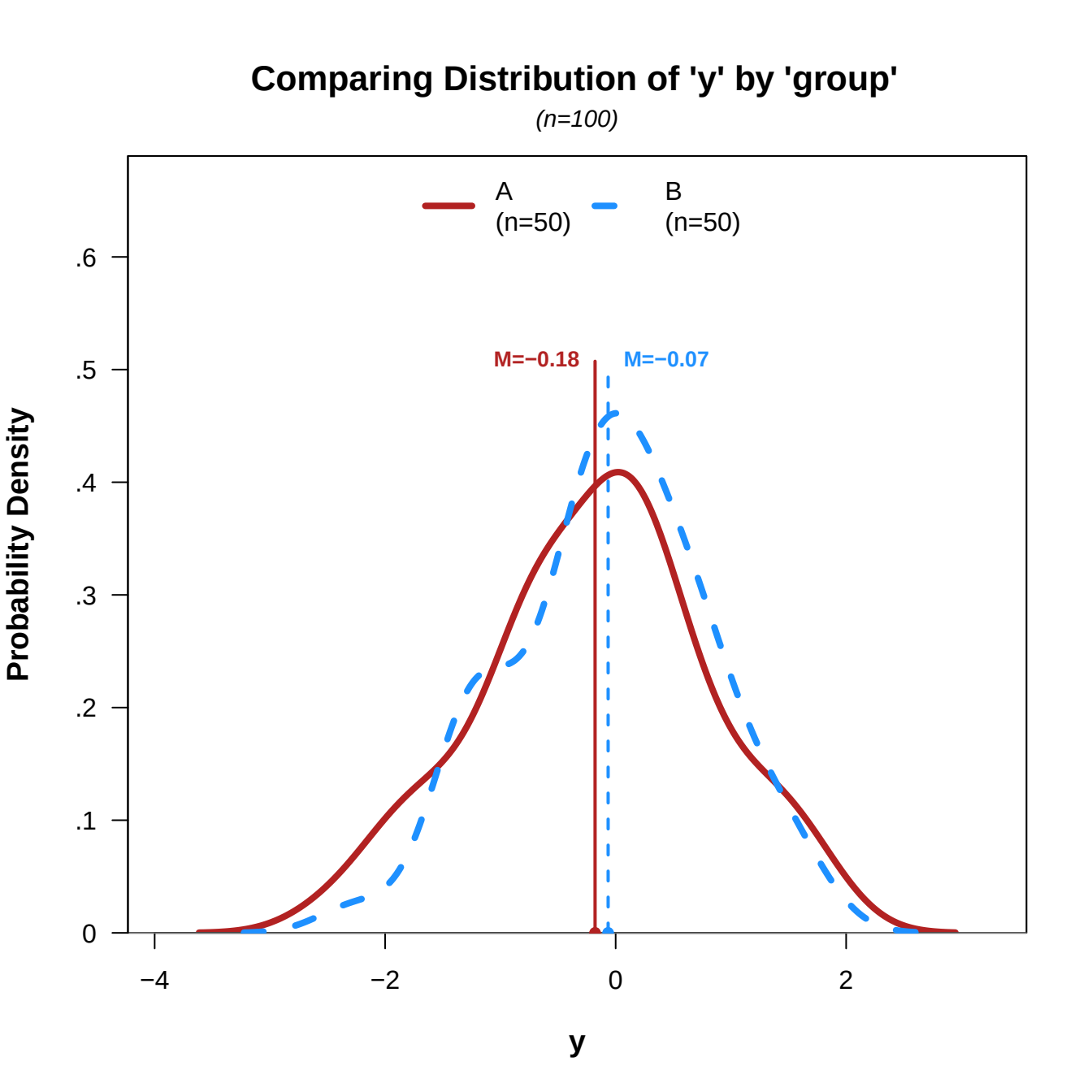

Comparing Distribution of 'value' by 'group'
(n=100)
A
(n=50)
B
(n=50)
M=0.01
M=0.05
Probability Density
.6
.5
.4
.3
.2
.1
0
−4
−2
0
2
4
value

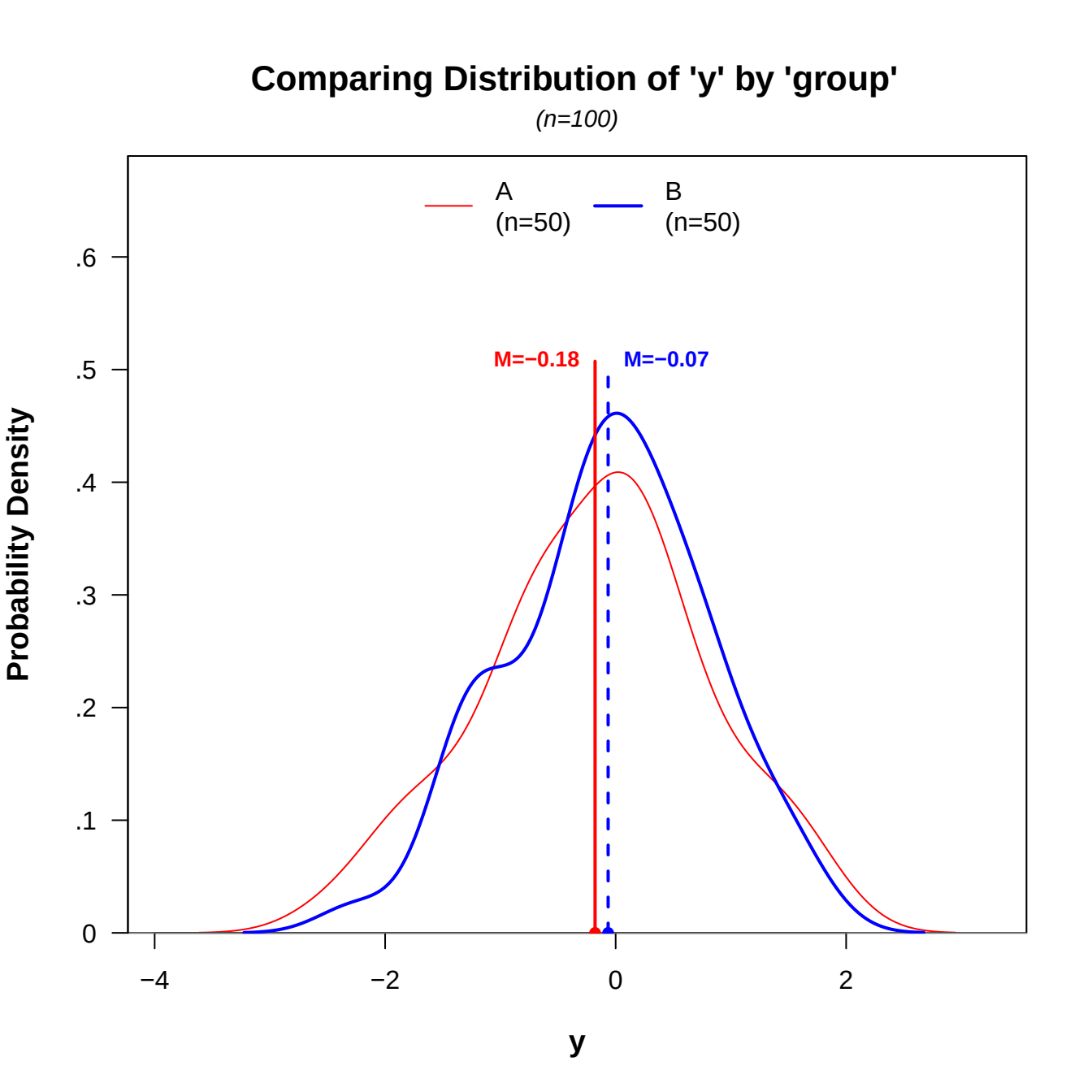

Comparing Distribution of 'y' by 'group'
(n=90)
A
(n=45)
B
(n=45)
M=−0.24
M=0
Probability Density
.5
.4
.3
.2
.1
0
−4
−2
0
2
4
y

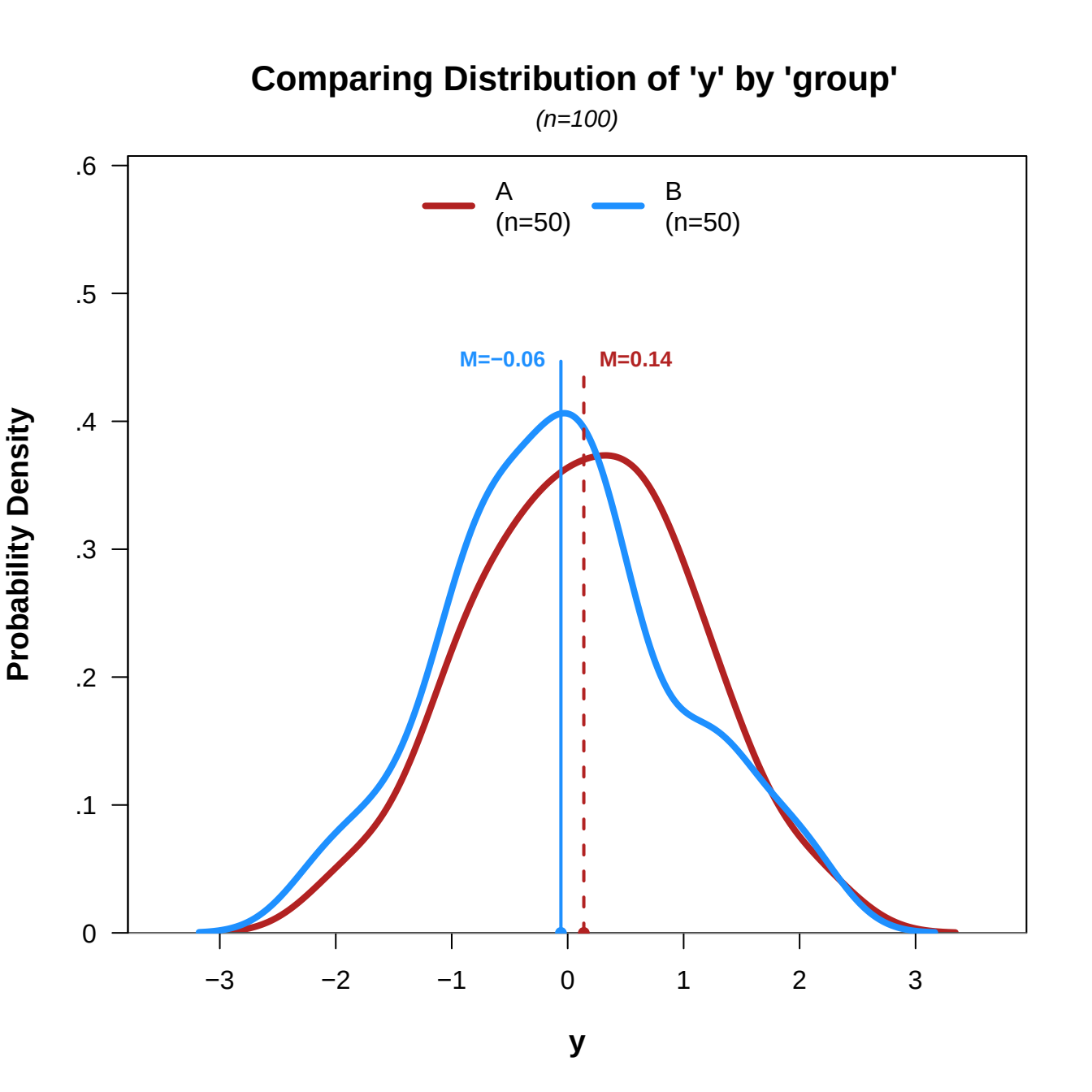

Comparing Distribution of 'y' by 'group'
(n=90)
A
(n=45)
B
(n=45)
M=−0.24
M=0
Probability Density
.5
.4
.3
.2
.1
0
−4
−2
0
2
4
y

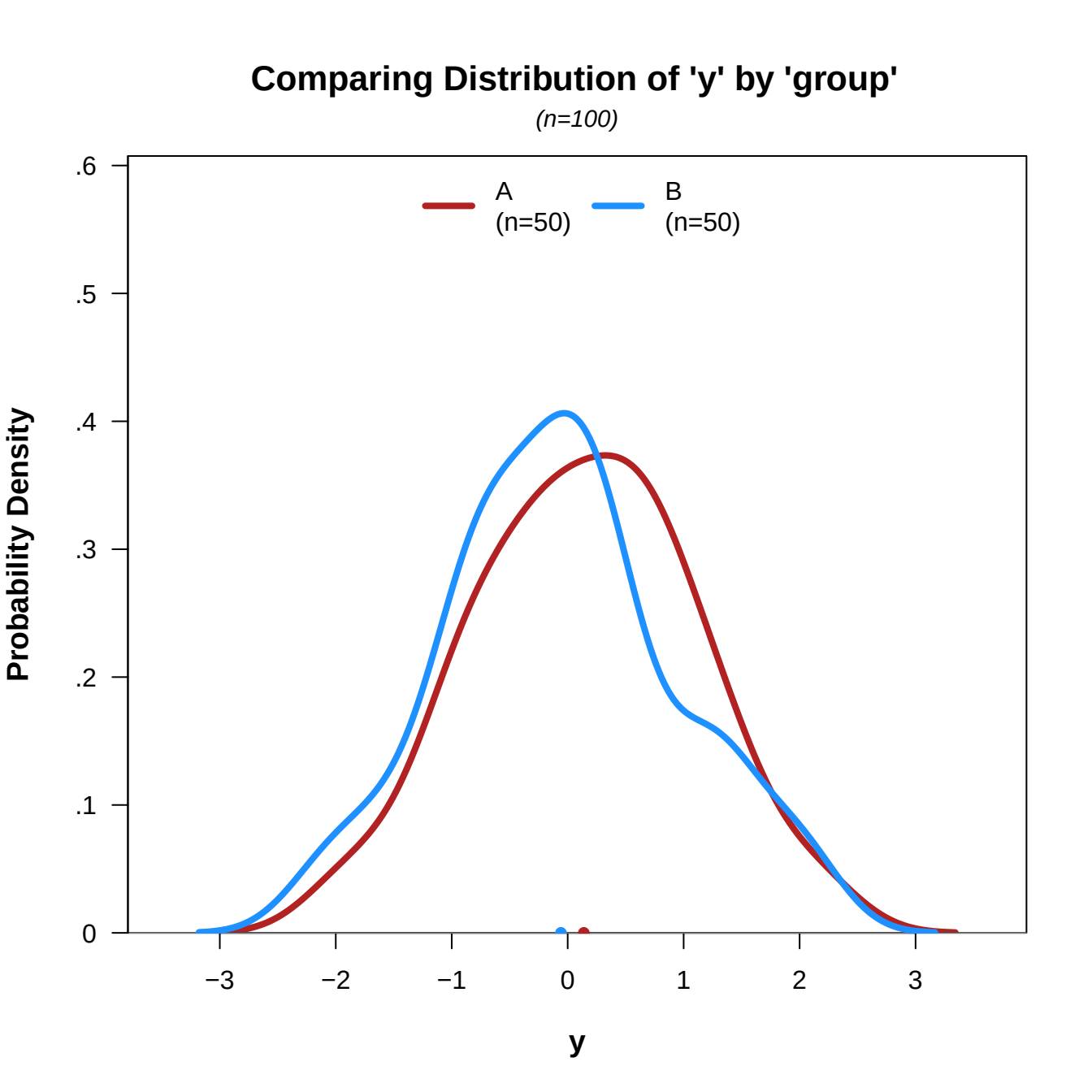

Comparing Distribution of 'y' by 'group'
(n=100)
A
(n=50)
B
(n=50)
M=−0.18
M=−0.07
Probability Density
.6
.5
.4
.3
.2
.1
0
−4
−2
0
2
y

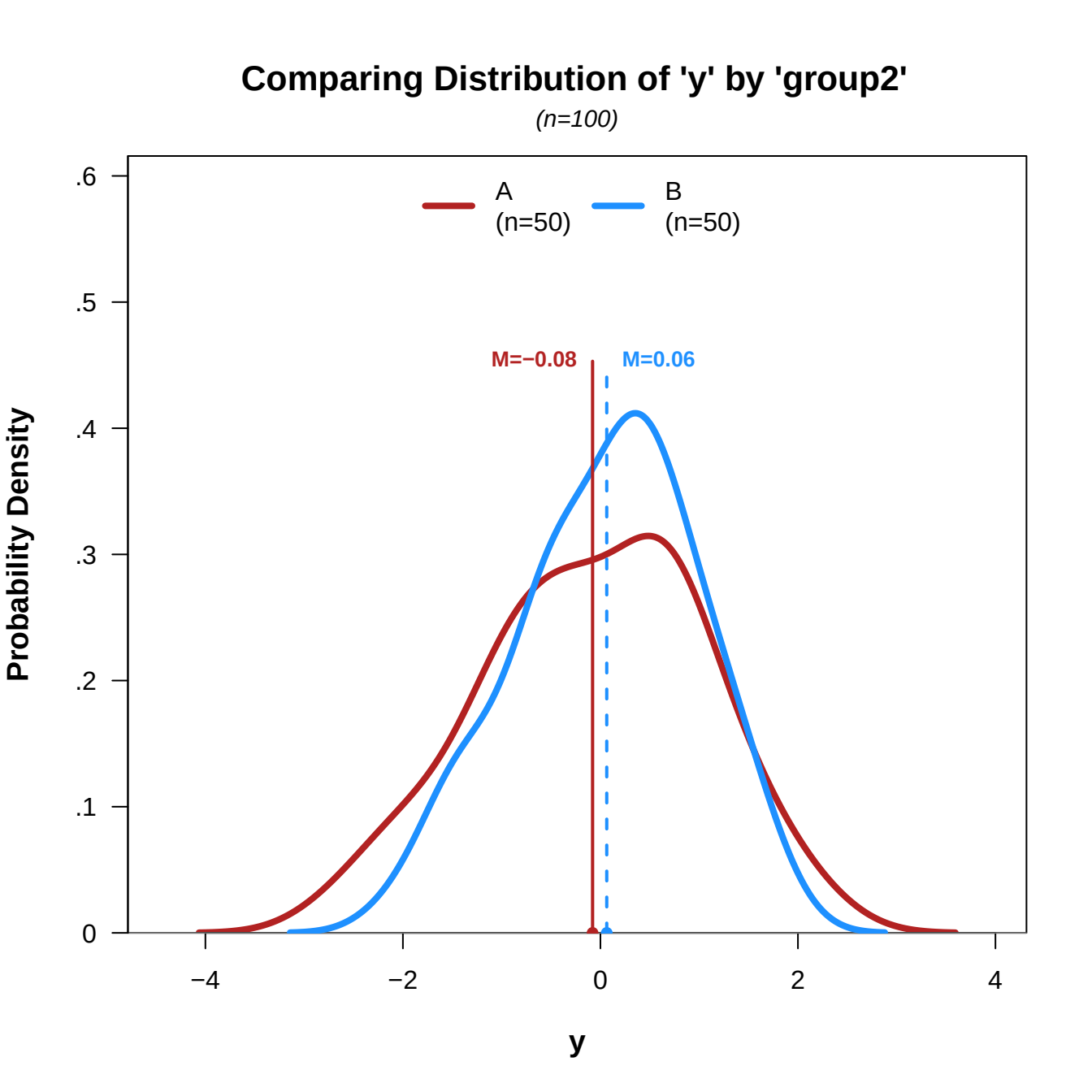

Comparing Distribution of 'y' by 'group'
(n=100)
A
(n=50)
B
(n=50)
M=−0.18
M=−0.07
Probability Density
.6
.5
.4
.3
.2
.1
0
−4
−2
0
2
y

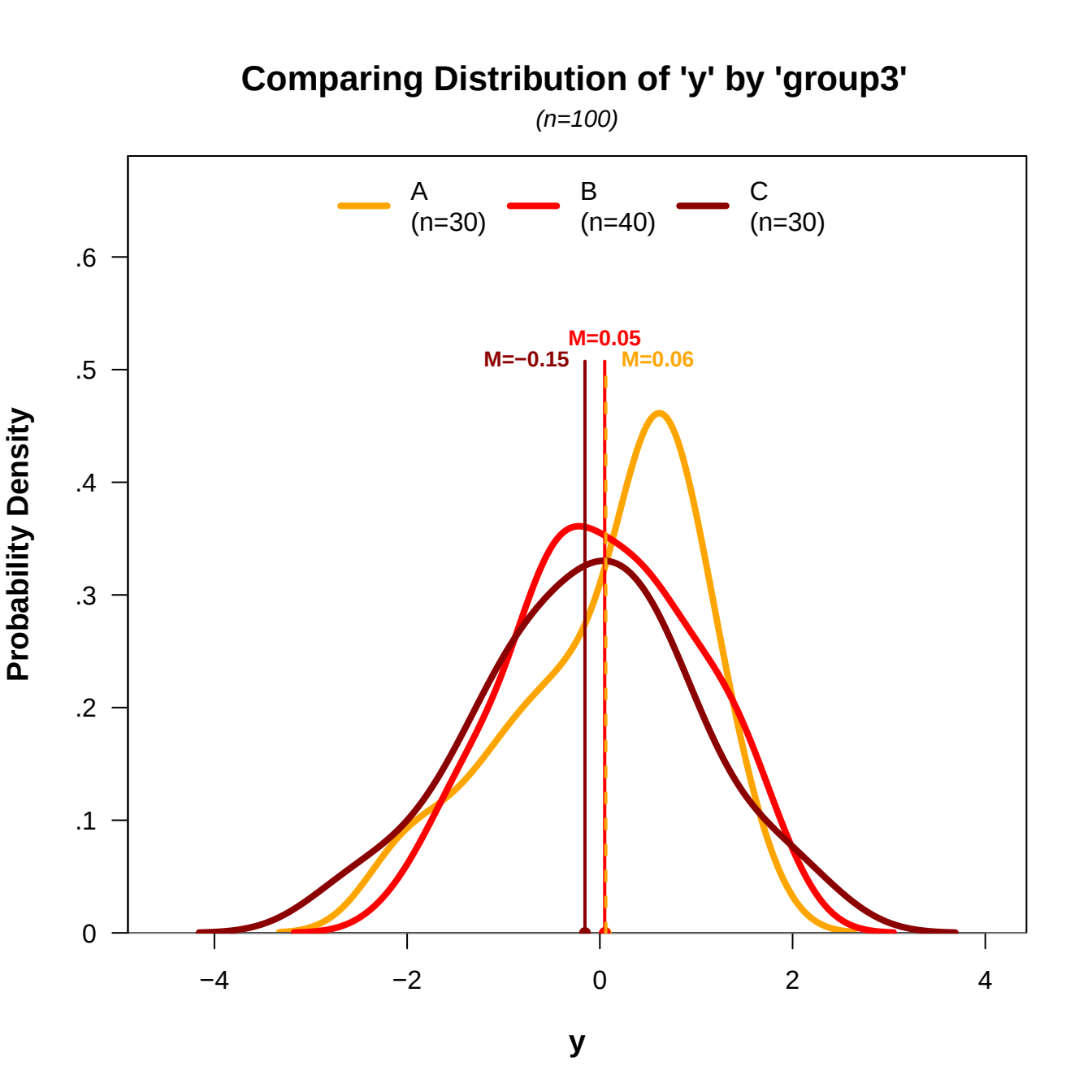

Comparing Distribution of 'y' by 'group'
(n=100)
A
(n=50)
B
(n=50)
M=−0.18
M=−0.07
Probability Density
.6
.5
.4
.3
.2
.1
0
−4
−2
0
2
y

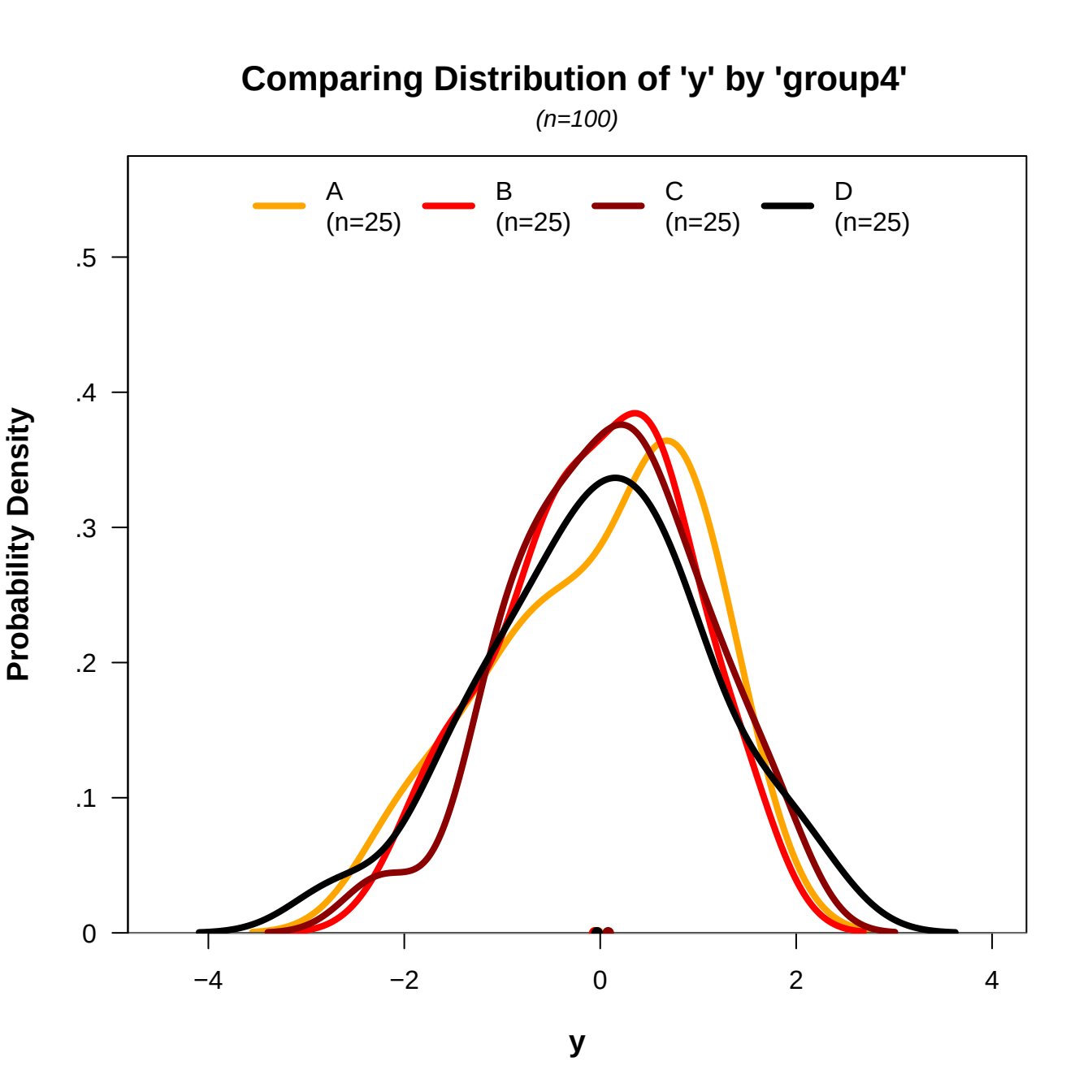

Comparing Distribution of 'y' by 'group'
(n=100)
A
(n=50)
B
(n=50)
M=−0.18
M=−0.07
Probability Density
0
.1
.2
.3
.4
.5
.6
−4
−2
0
2
y

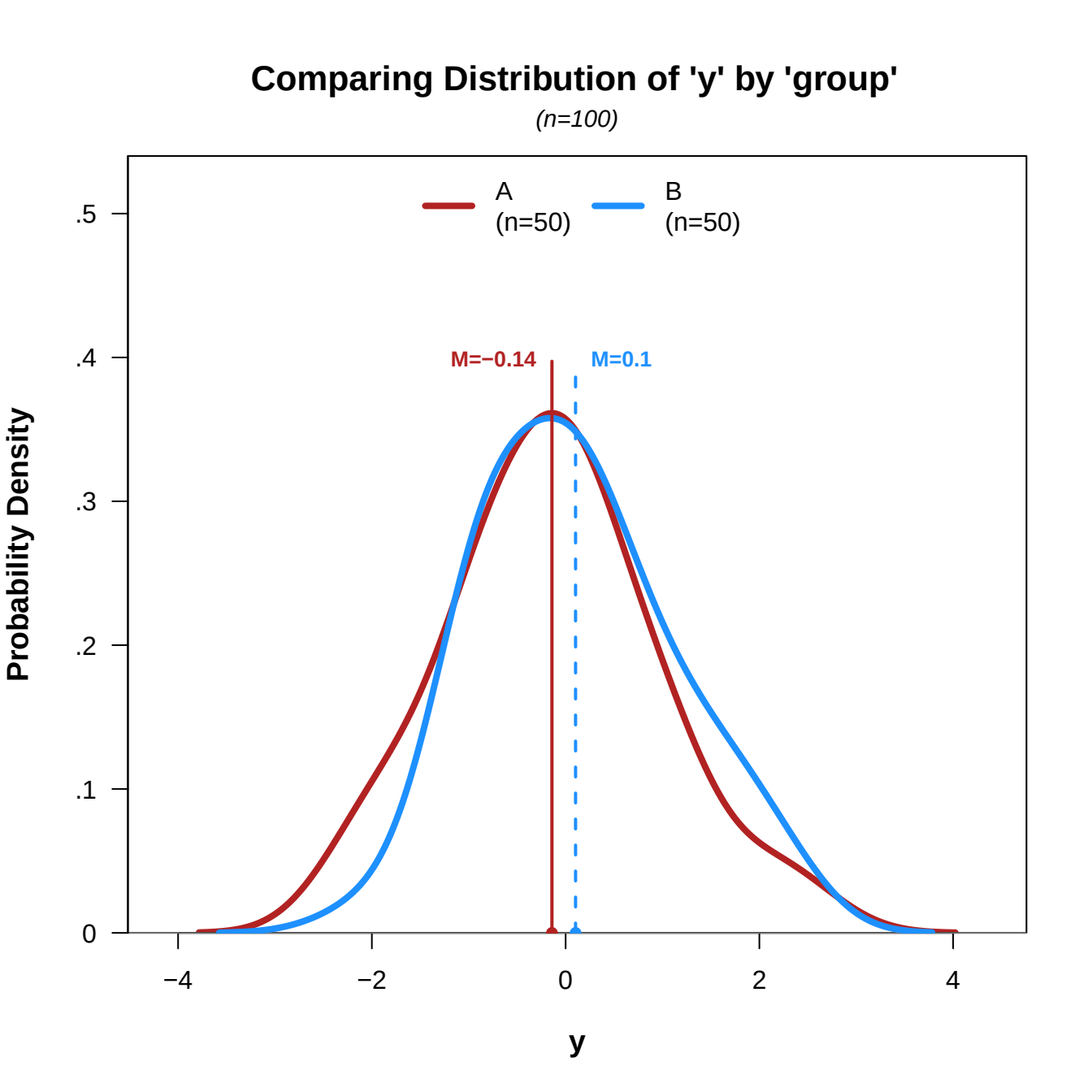

Comparing Distribution of 'y' by 'group'
(n=100)
A
(n=50)
B
(n=50)
M=−0.06
M=0.14
Probability Density
.6
.5
.4
.3
.2
.1
0
−3
−2
−1
0
1
2
3
y

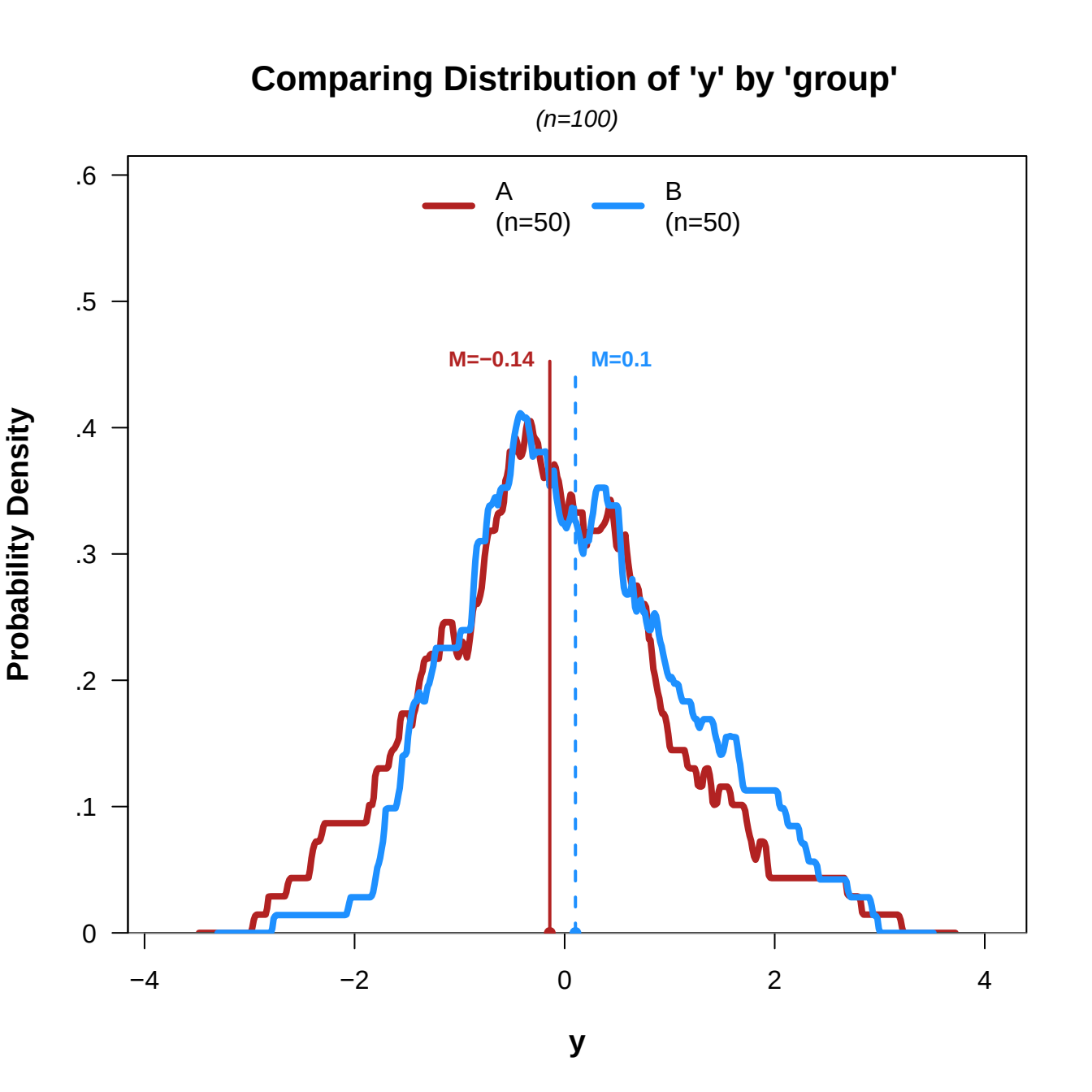

Comparing Distribution of 'y' by 'group'
(n=100)
A
(n=50)
B
(n=50)
Probability Density
.6
.5
.4
.3
.2
.1
0
−3
−2
−1
0
1
2
3
y

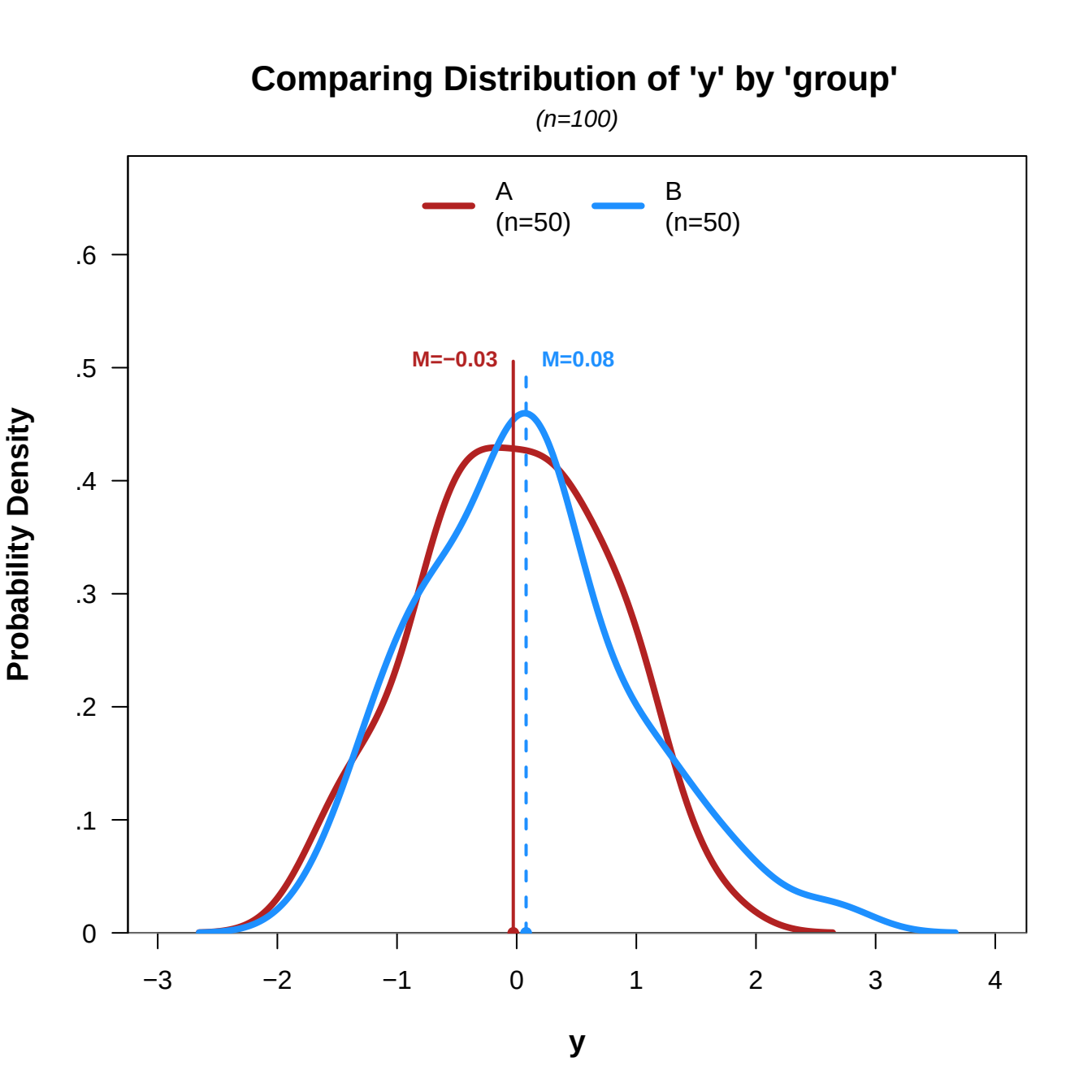

Comparing Distribution of 'y' by 'group2'
(n=100)
A
(n=50)
B
(n=50)
M=−0.08
M=0.06
Probability Density
.6
.5
.4
.3
.2
.1
0
−4
−2
0
2
4
y

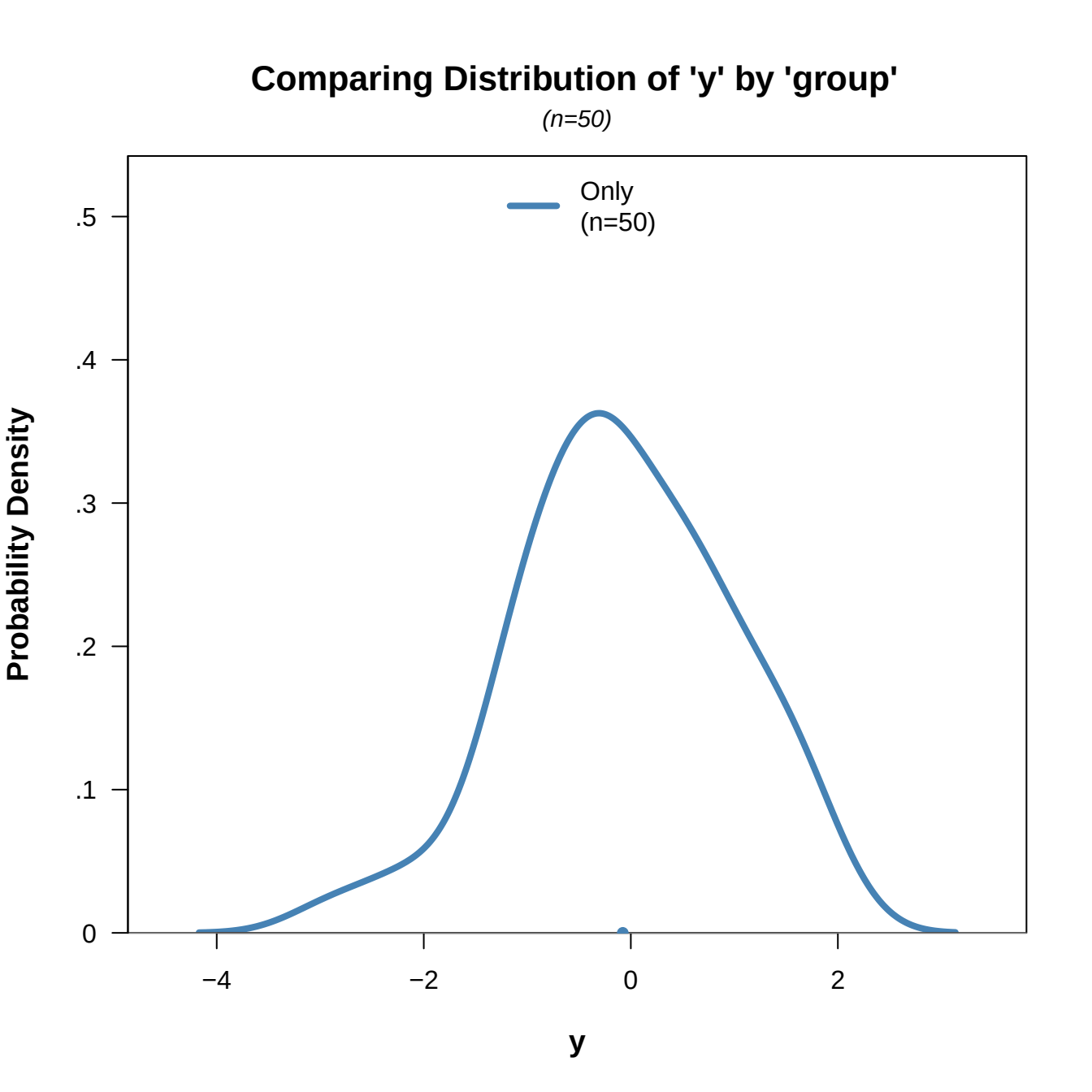

Comparing Distribution of 'y' by 'group3'
(n=100)
A
(n=30)
B
(n=40)
C
(n=30)
M=0.05
M=−0.15
M=0.06
Probability Density
.6
.5
.4
.3
.2
.1
0
−4
−2
0
2
4
y

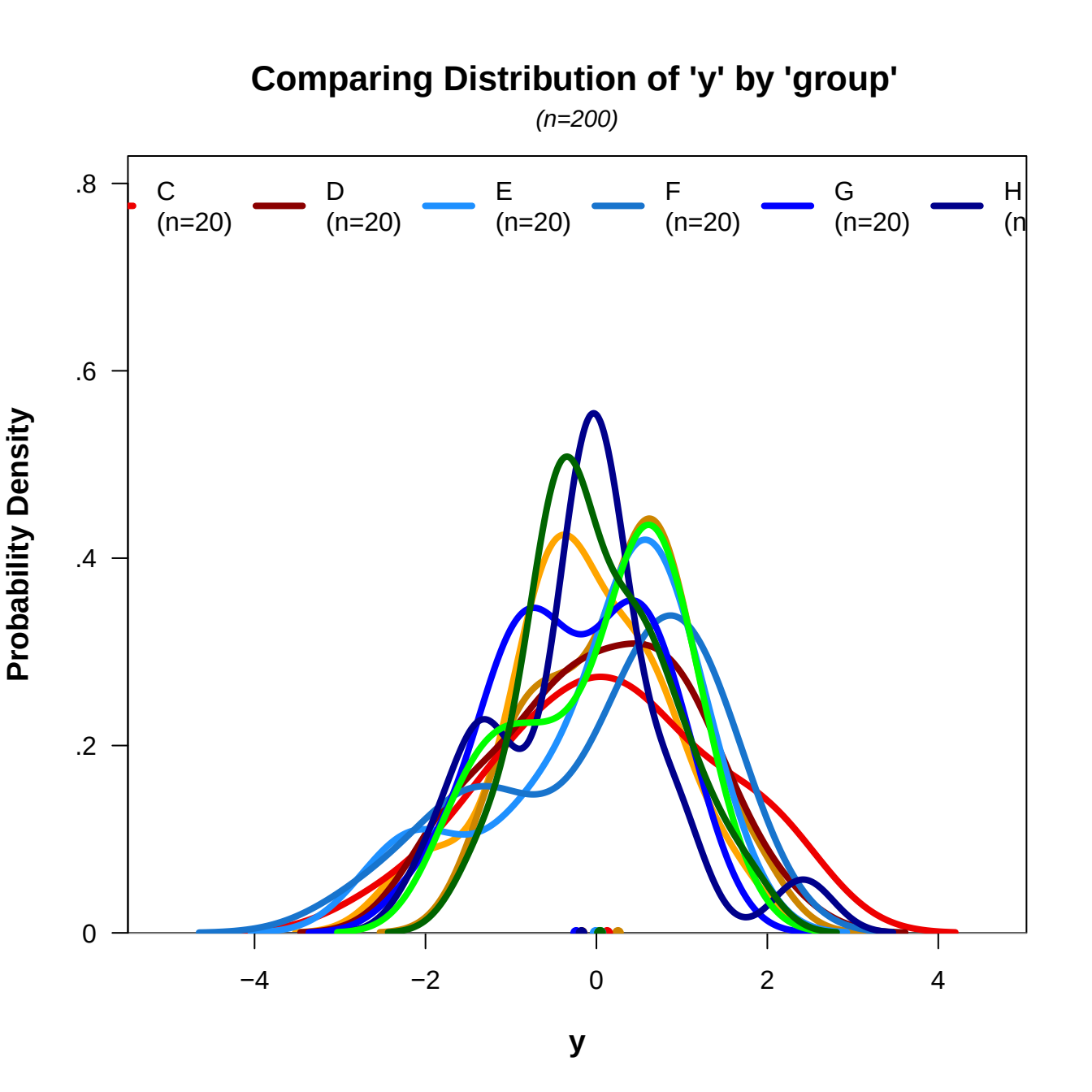

Comparing Distribution of 'y' by 'group4'
(n=100)
A
(n=25)
B
(n=25)
C
(n=25)
D
(n=25)
Probability Density
.5
.4
.3
.2
.1
0
−4
−2
0
2
4
y

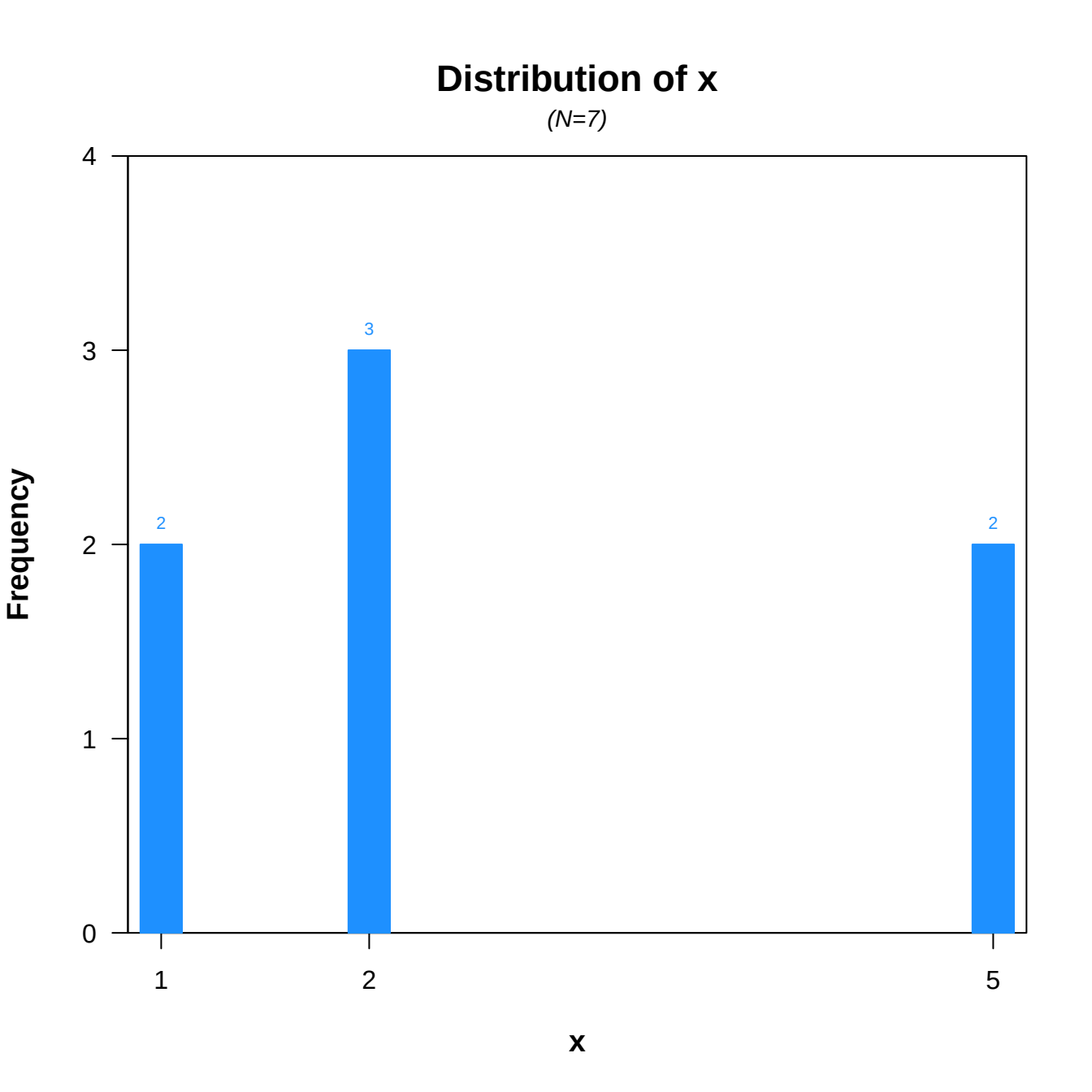

Comparing Distribution of 'y' by 'group'
(n=100)
A
(n=50)
B
(n=50)
M=−0.14
M=0.1
Probability Density
.5
.4
.3
.2
.1
0
−4
−2
0
2
4
y

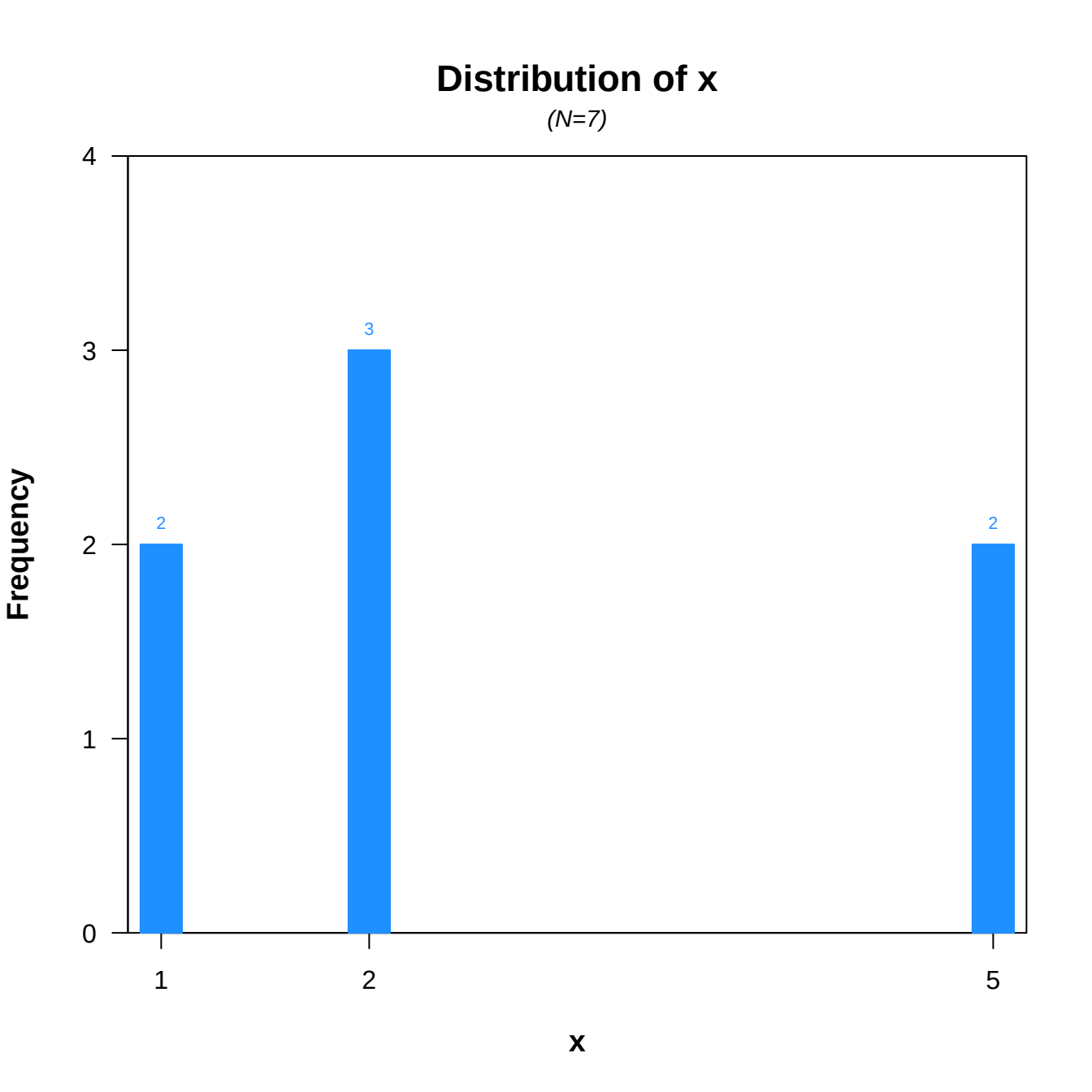

Comparing Distribution of 'y' by 'group'
(n=100)
A
(n=50)
B
(n=50)
M=−0.14
M=0.1
Probability Density
.6
.5
.4
.3
.2
.1
0
−4
−2
0
2
4
y

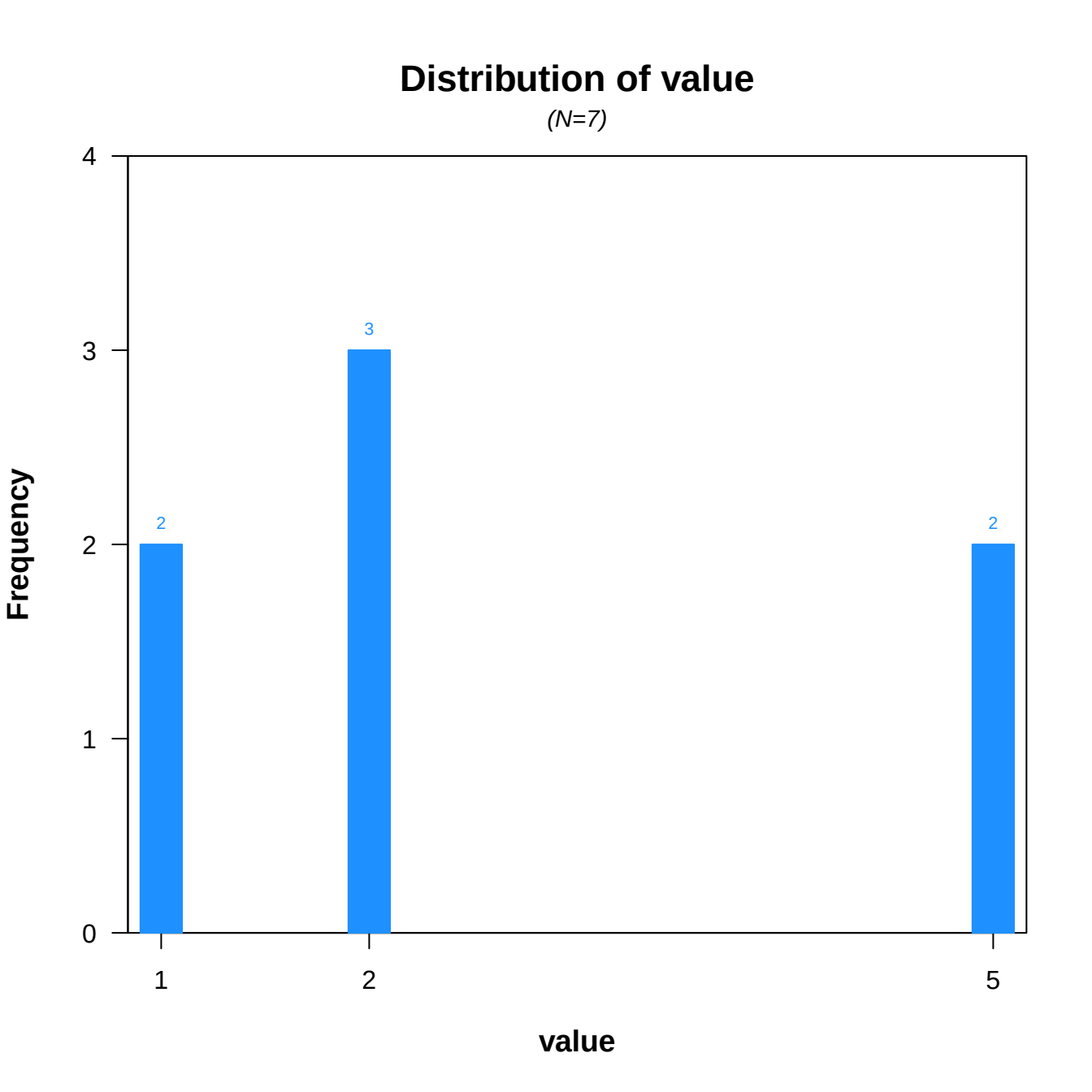

Comparing Distribution of 'y' by 'group'
(n=100)
A
(n=50)
B
(n=50)
M=−0.03
M=0.08
Probability Density
.6
.5
.4
.3
.2
.1
0
−3
−2
−1
0
1
2
3
4
y

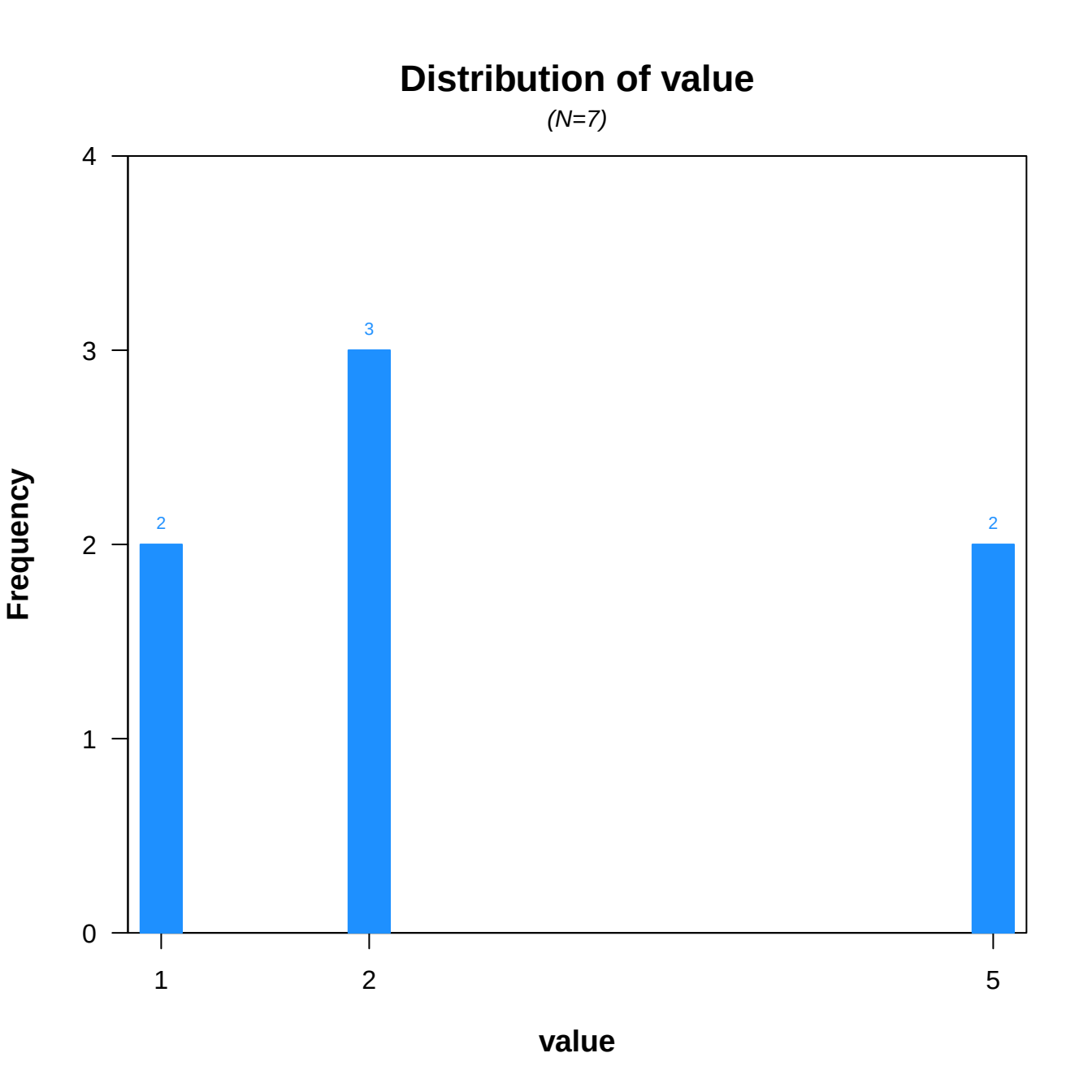

Comparing Distribution of 'y' by 'group'
(n=50)
Only
(n=50)
Probability Density
.5
.4
.3
.2
.1
0
−4
−2
0
2
y

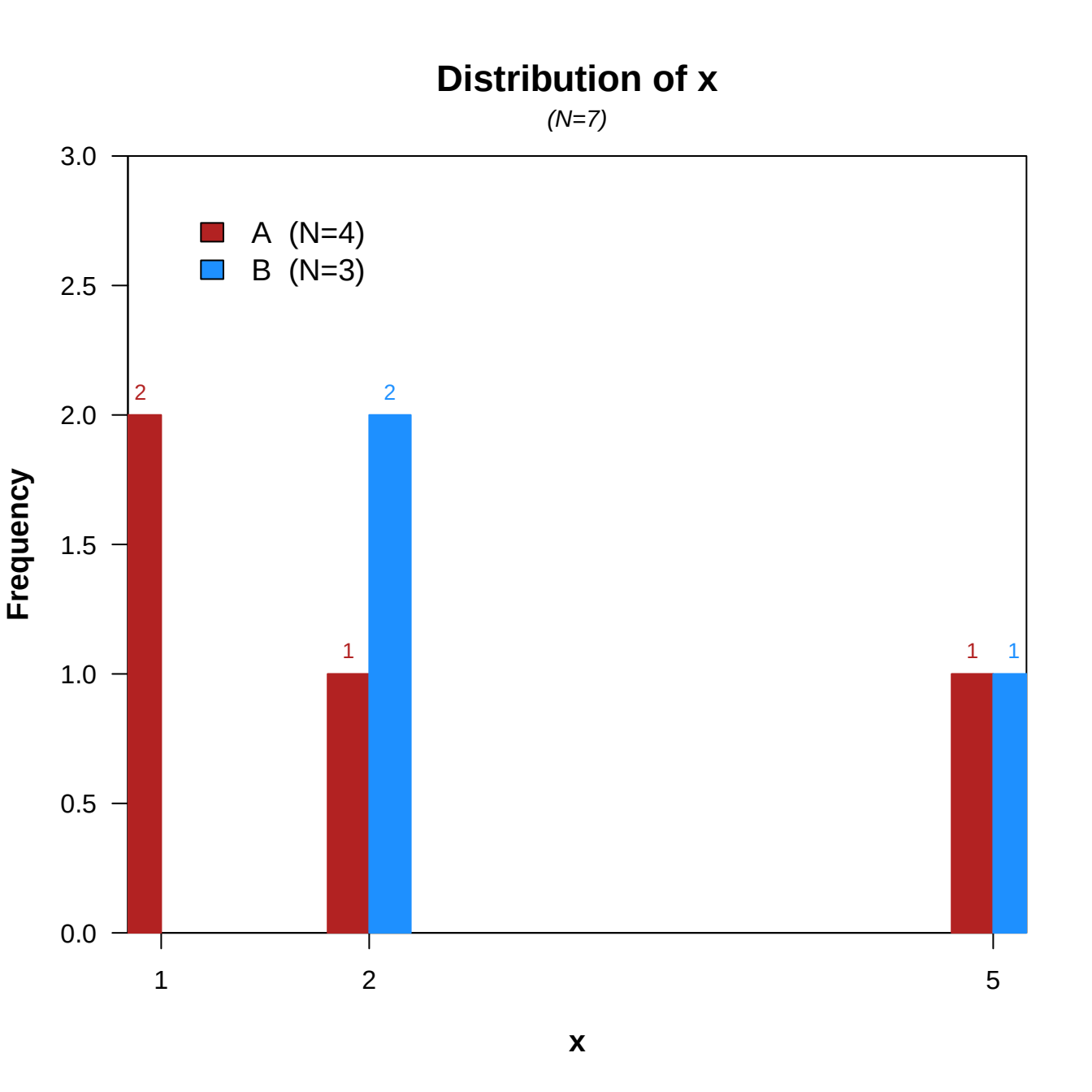

Comparing Distribution of 'y' by 'group'
(n=200)
C
(n=20)
D
(n=20)
E
(n=20)
F
(n=20)
G
(n=20)
H
(n
.8
.6
.4
.2
0
Probability Density
−4
−2
0
2
4
y

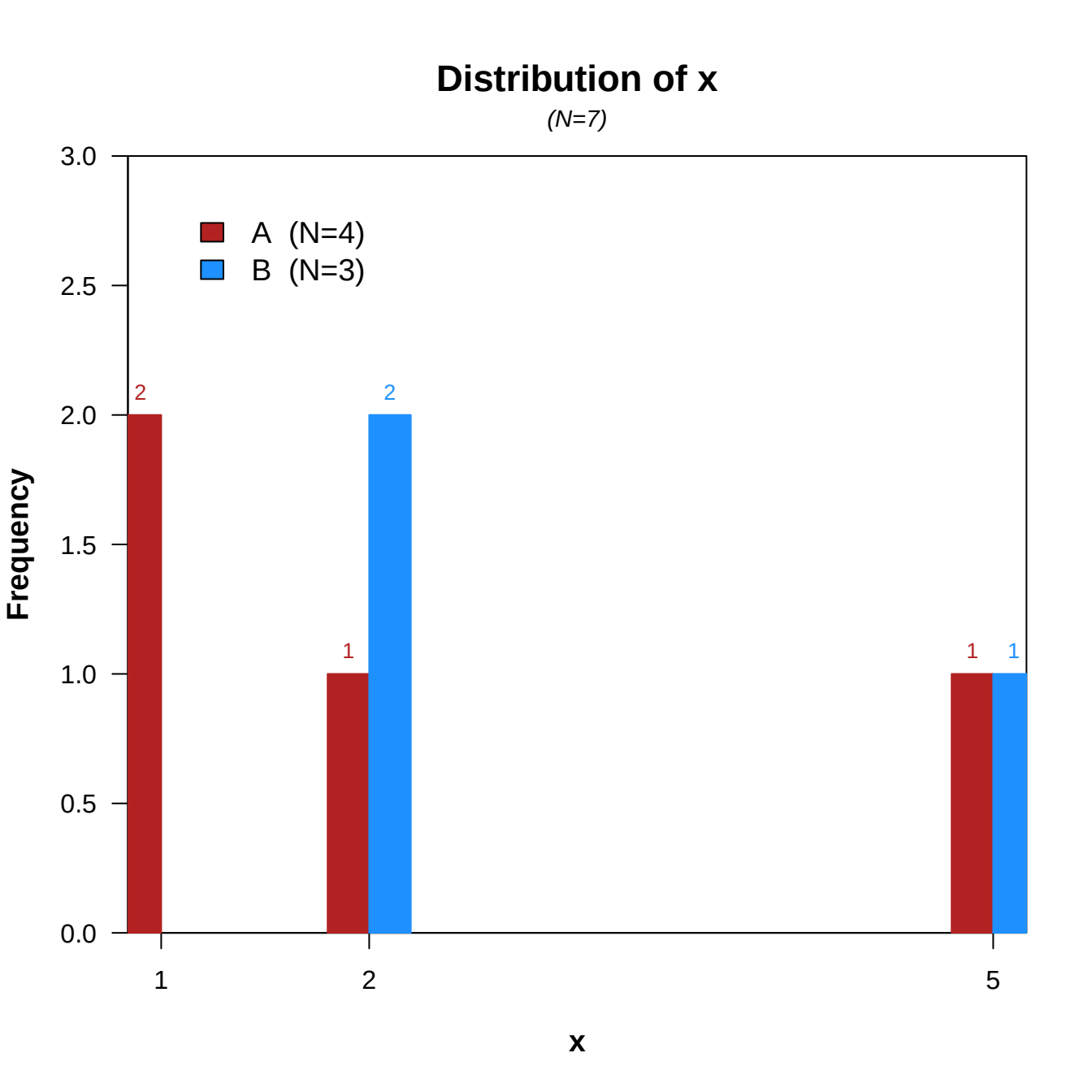

Distribution of x
(N=7)
Frequency
4
3
2
1
0
2
3
2
1
2
5
x

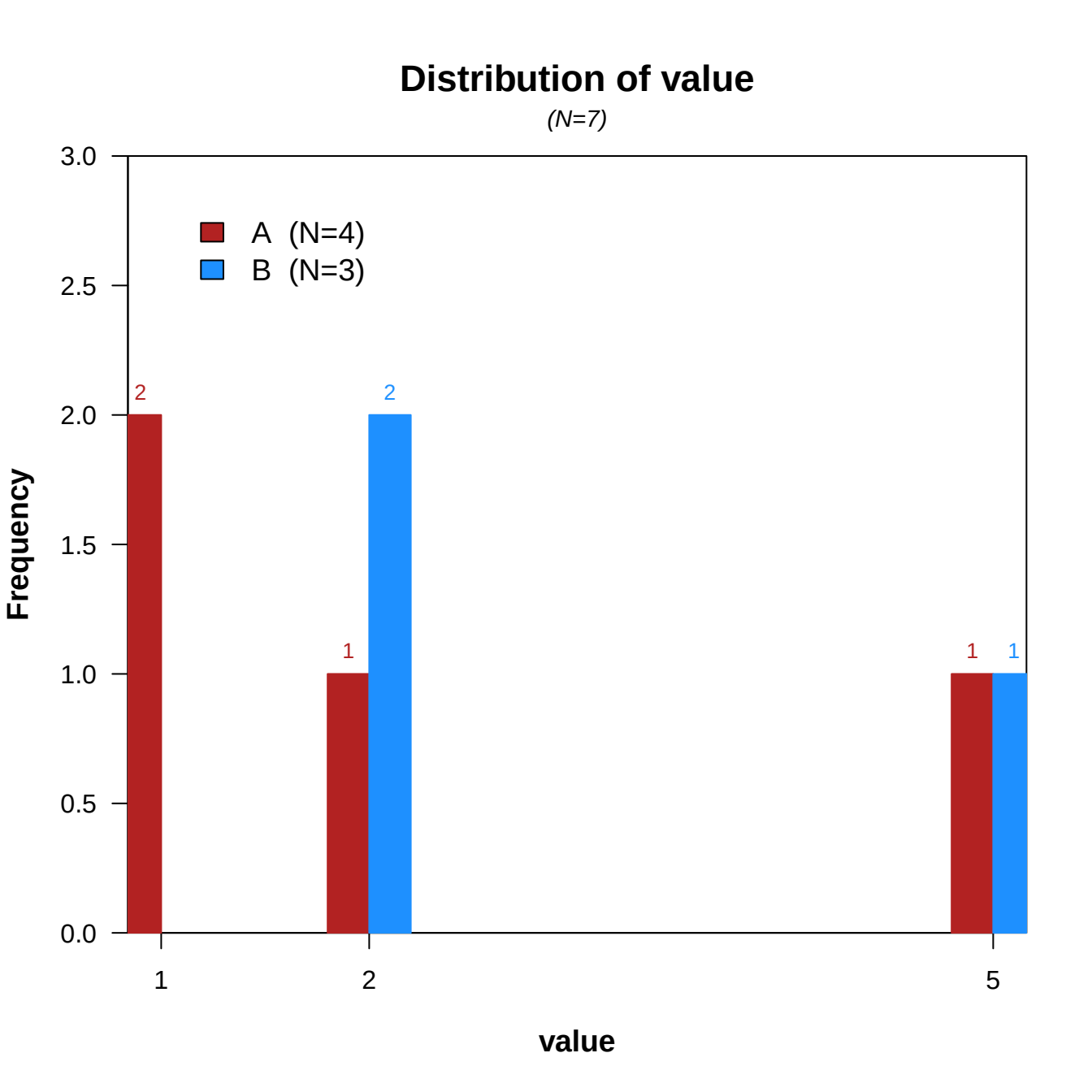

Distribution of x
(N=7)
Frequency
4
3
2
1
0
2
3
2
1
2
5
x

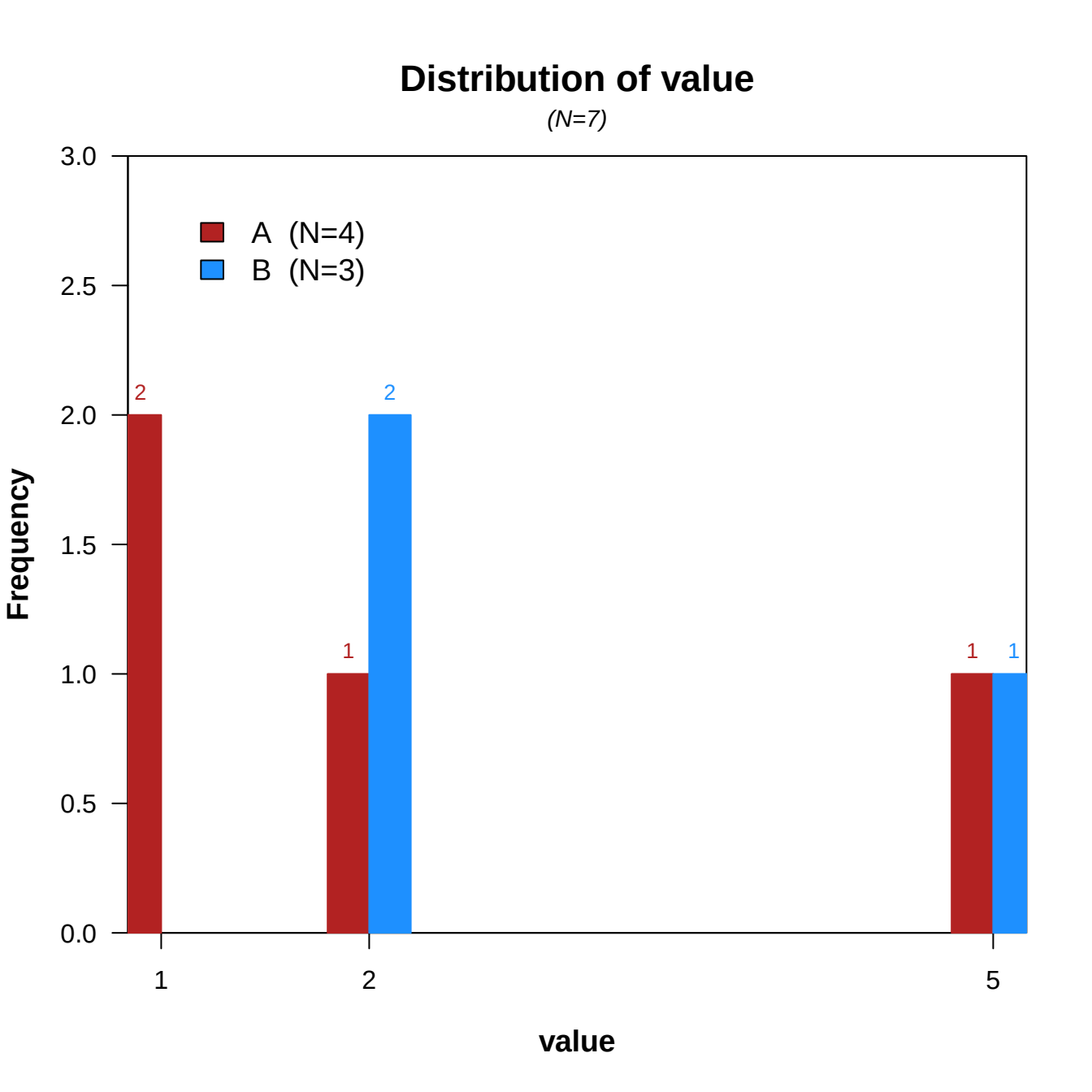

Distribution of value
(N=7)
Frequency
4
3
2
1
0
2
3
2
1
2
5
value

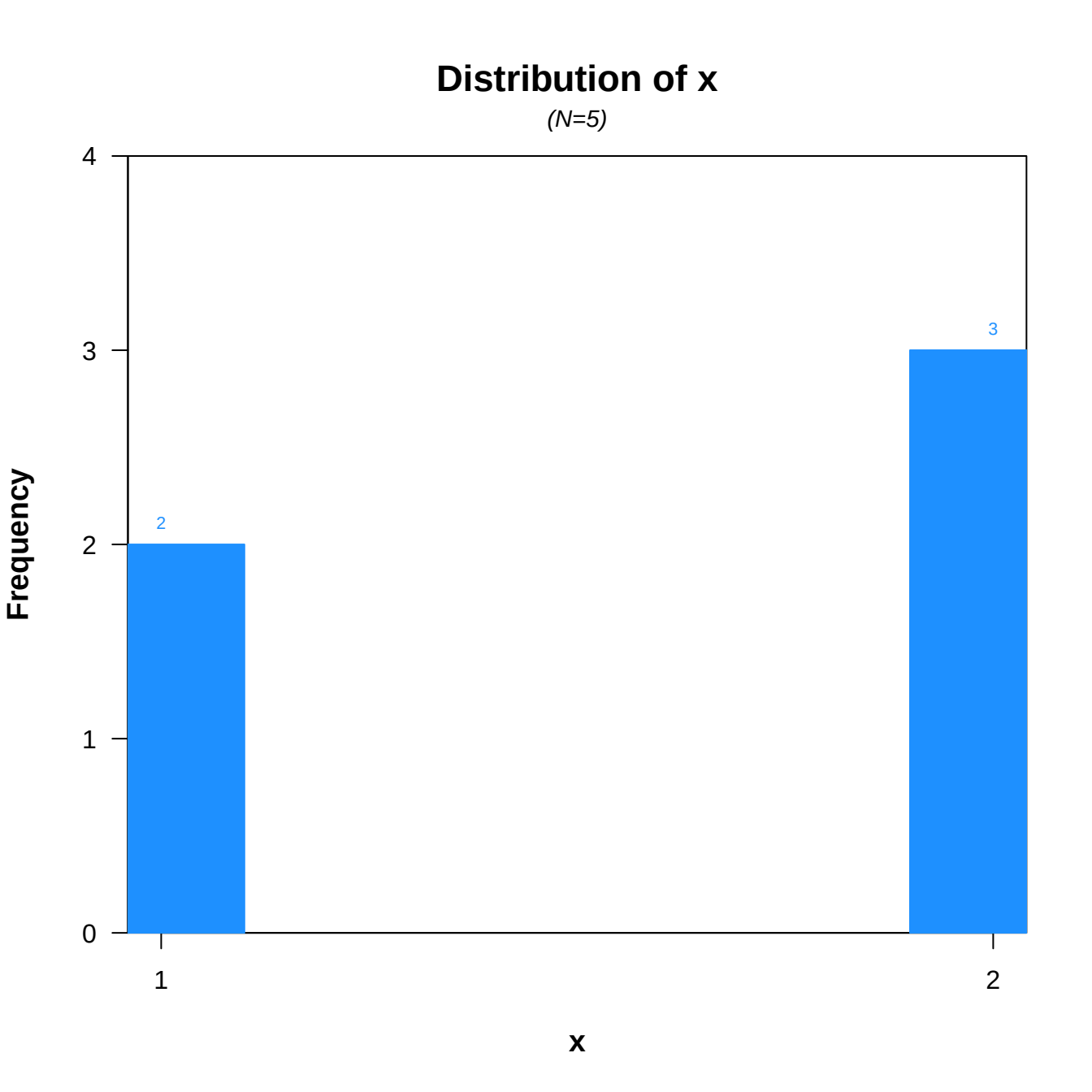

Distribution of value
(N=7)
Frequency
4
3
2
1
0
2
3
2
1
2
5
value

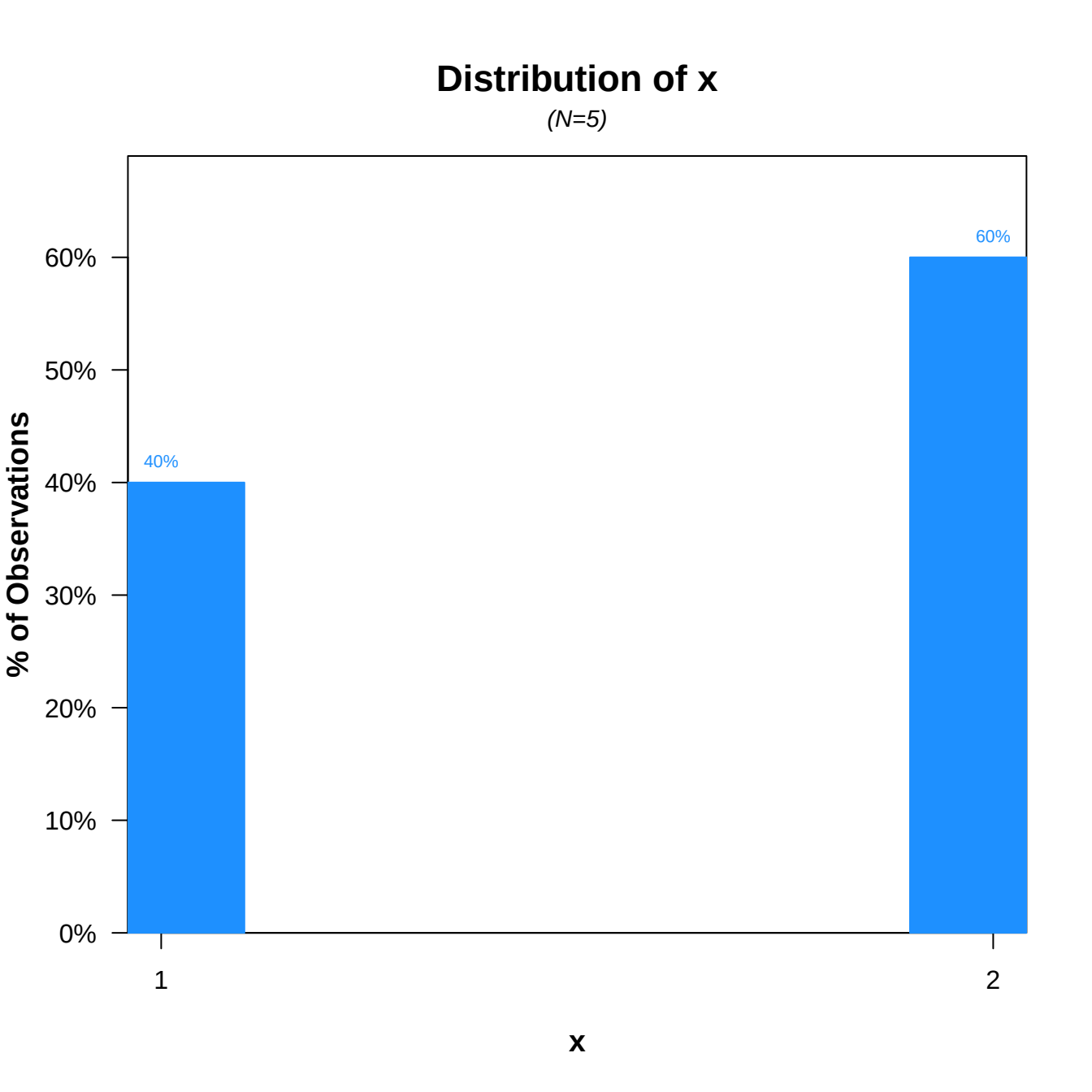

Distribution of x
(N=7)
A (N=4)
B (N=3)
Frequency
3.0
2.5
2.0
1.5
1.0
0.5
0.0
2
2
1
1
1
1
2
5
x

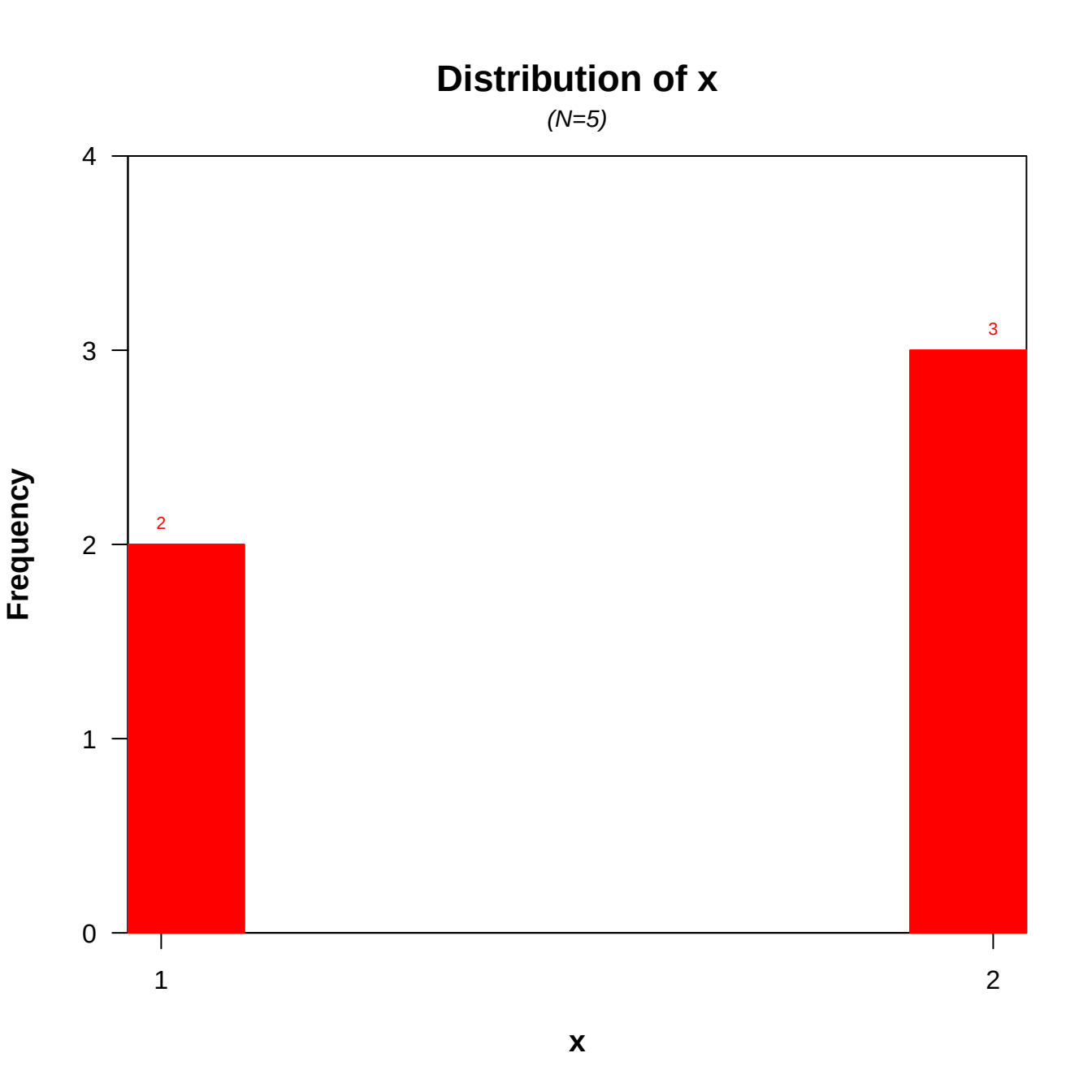

Distribution of x
(N=7)
A (N=4)
B (N=3)
Frequency
3.0
2.5
2.0
1.5
1.0
0.5
0.0
2
2
1
1
1
1
2
5
x

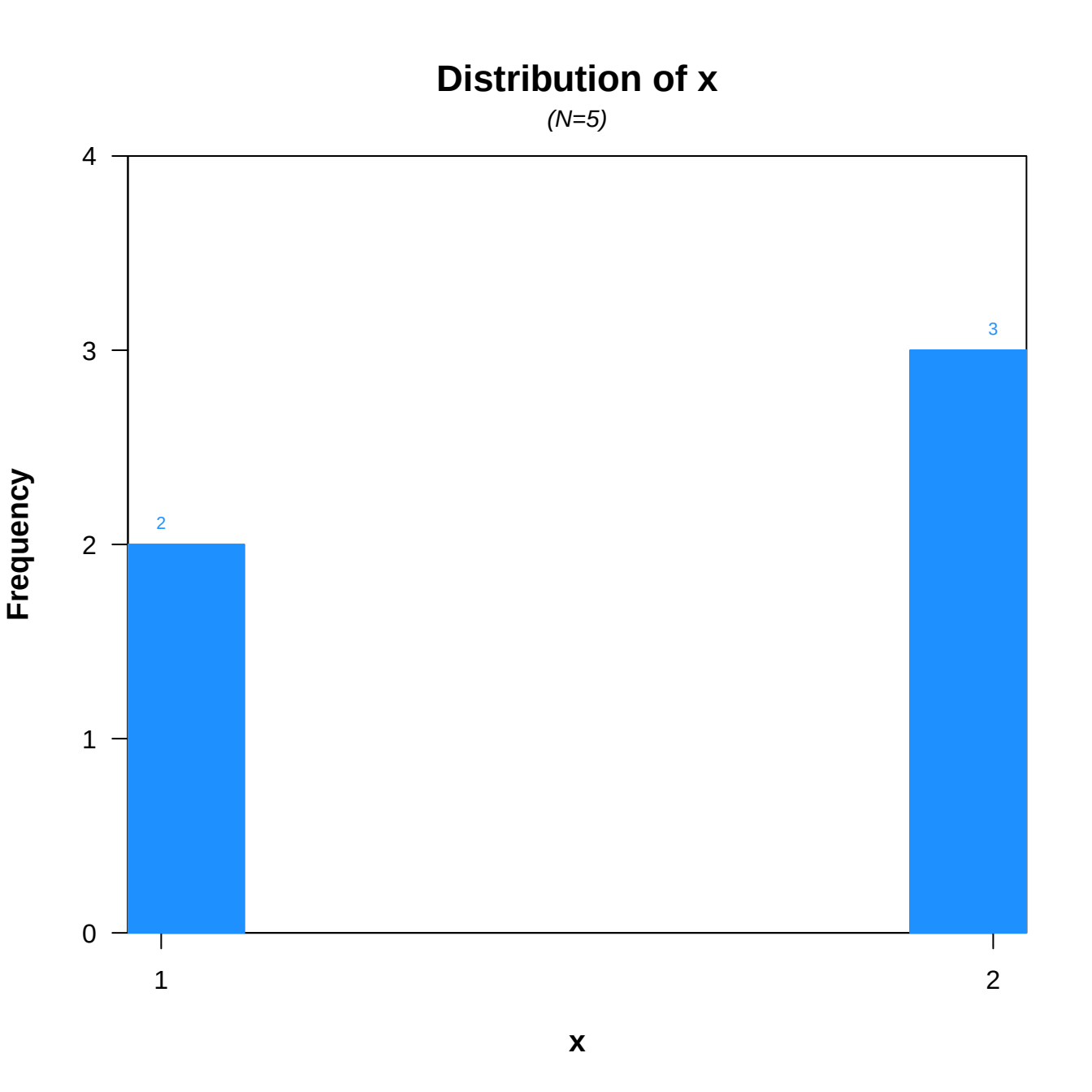

Distribution of value
(N=7)
A (N=4)
B (N=3)
Frequency
3.0
2.5
2.0
1.5
1.0
0.5
0.0
2
2
1
1
1
1
2
5
value

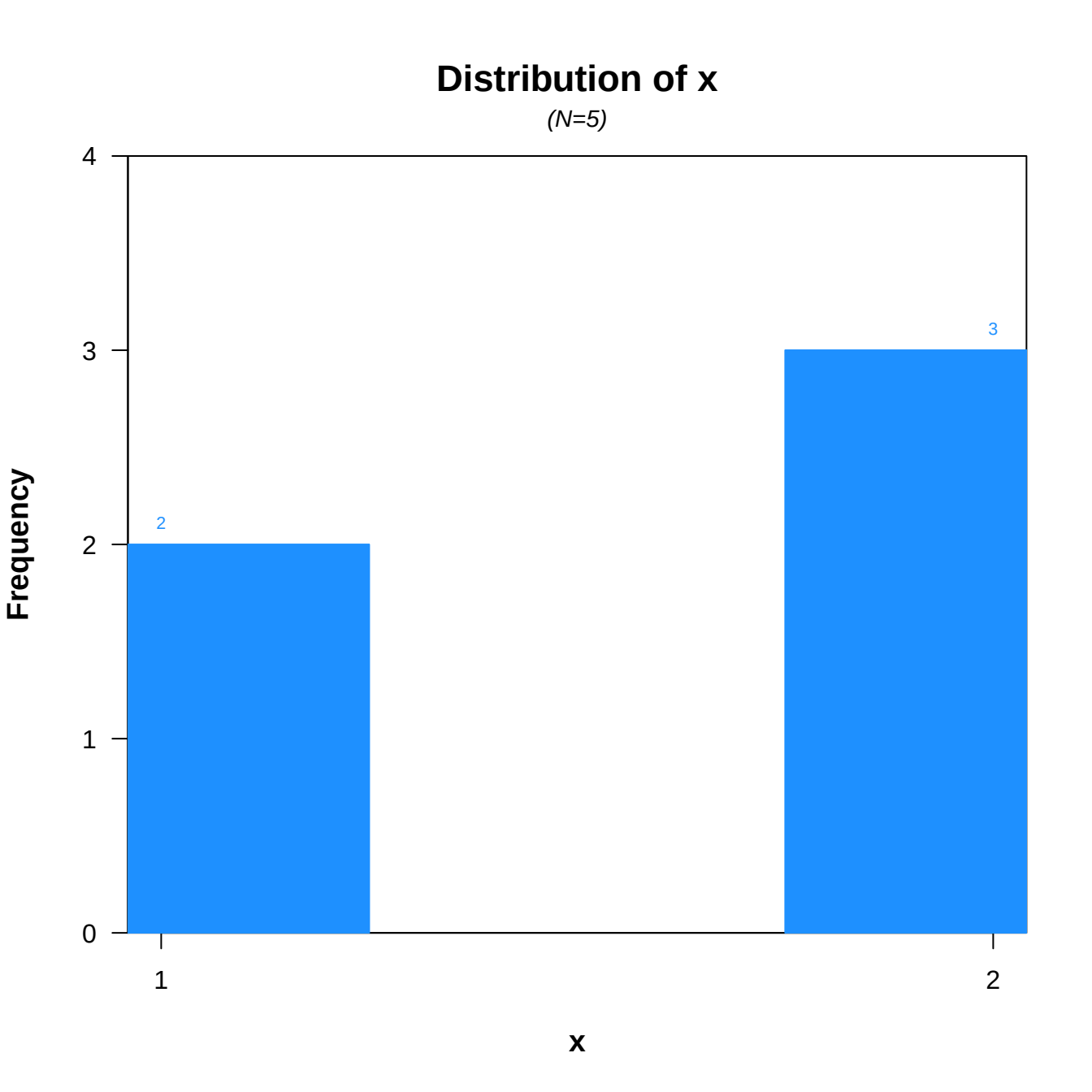

Distribution of value
(N=7)
A (N=4)
B (N=3)
Frequency
3.0
2.5
2.0
1.5
1.0
0.5
0.0
2
2
1
1
1
1
2
5
value

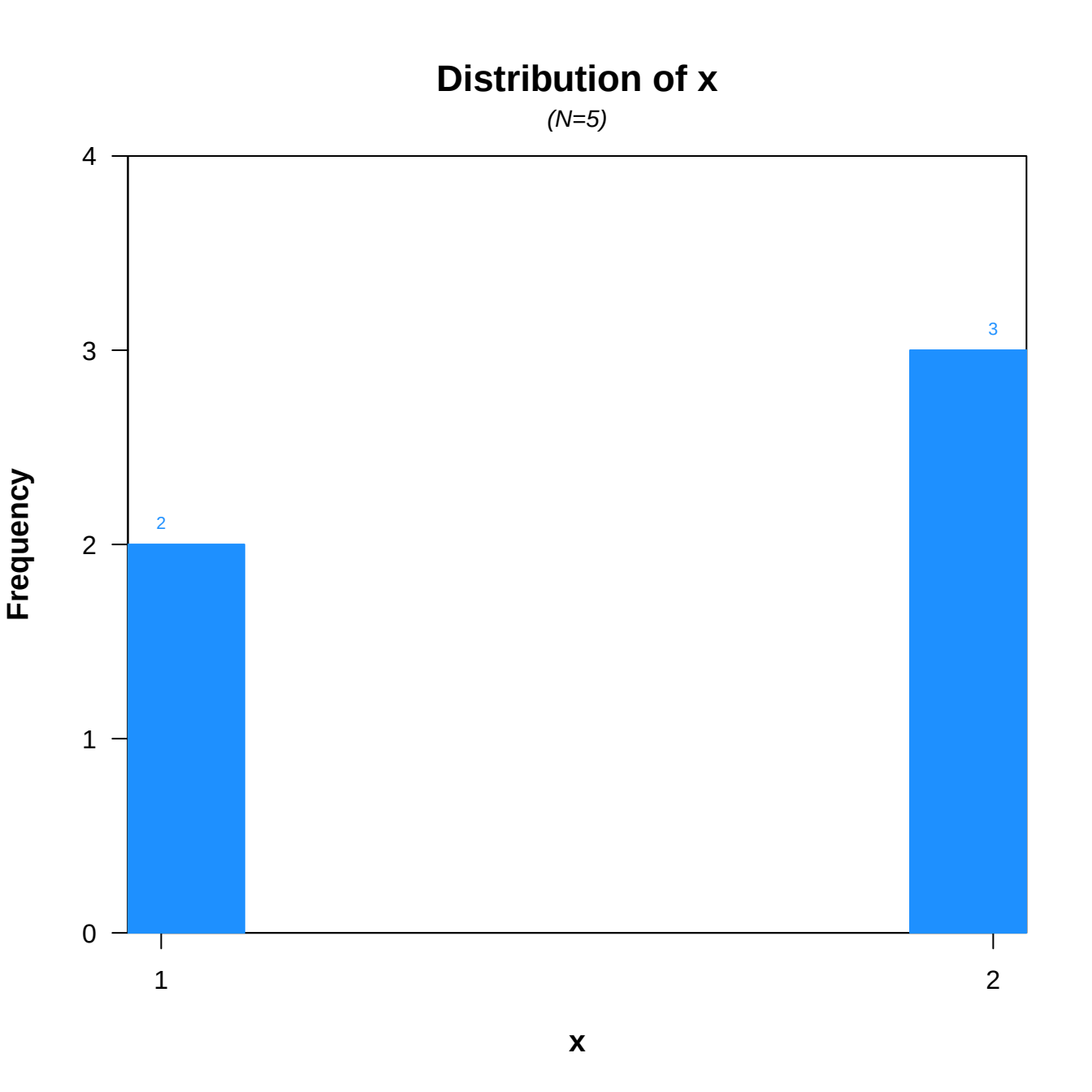

Distribution of x
(N=5)
Frequency
4
3
2
1
0
2
3
1
2
x

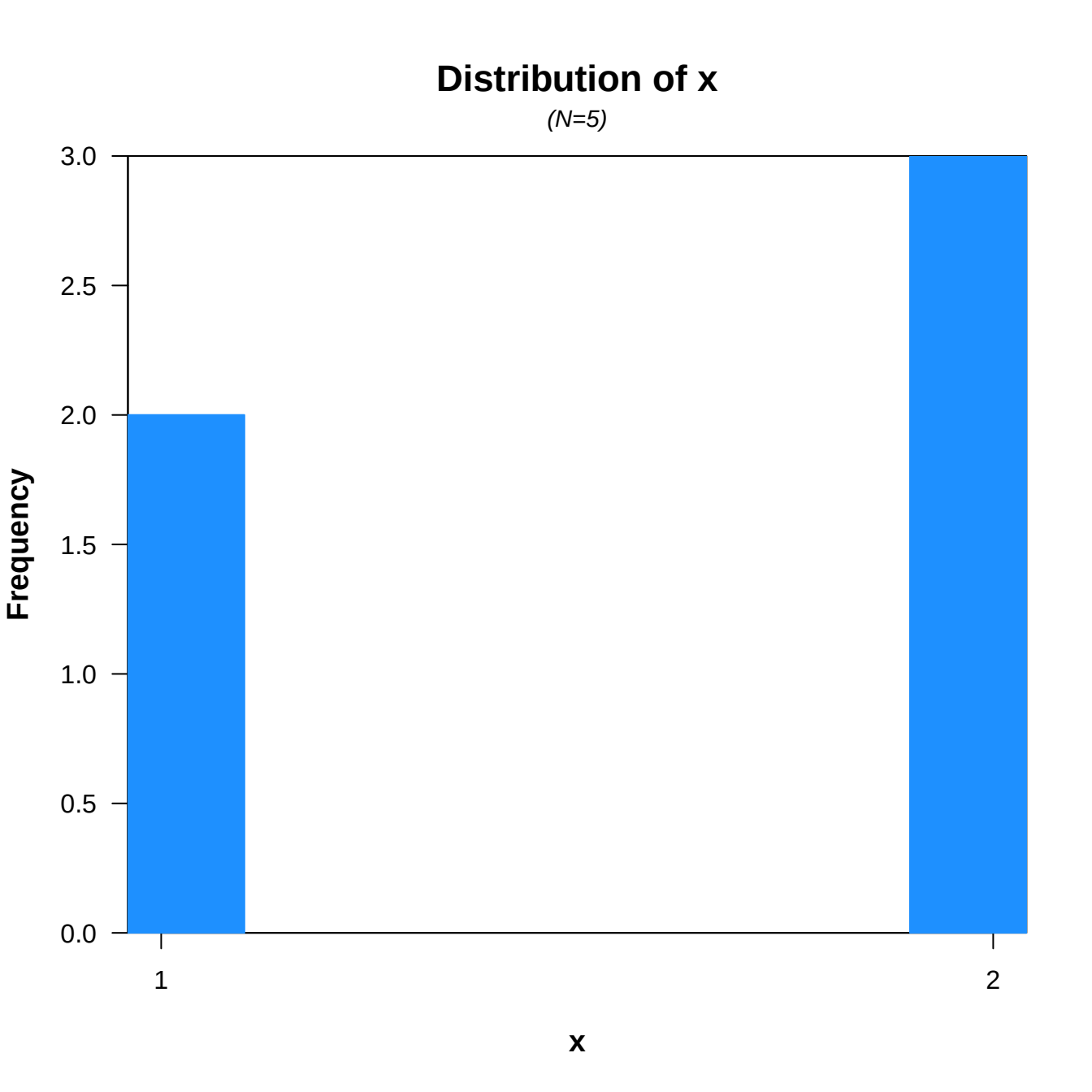

Distribution of x
(N=5)
% of Observations
60%
50%
40%
30%
20%
10%
0%
40%
60%
1
2
x

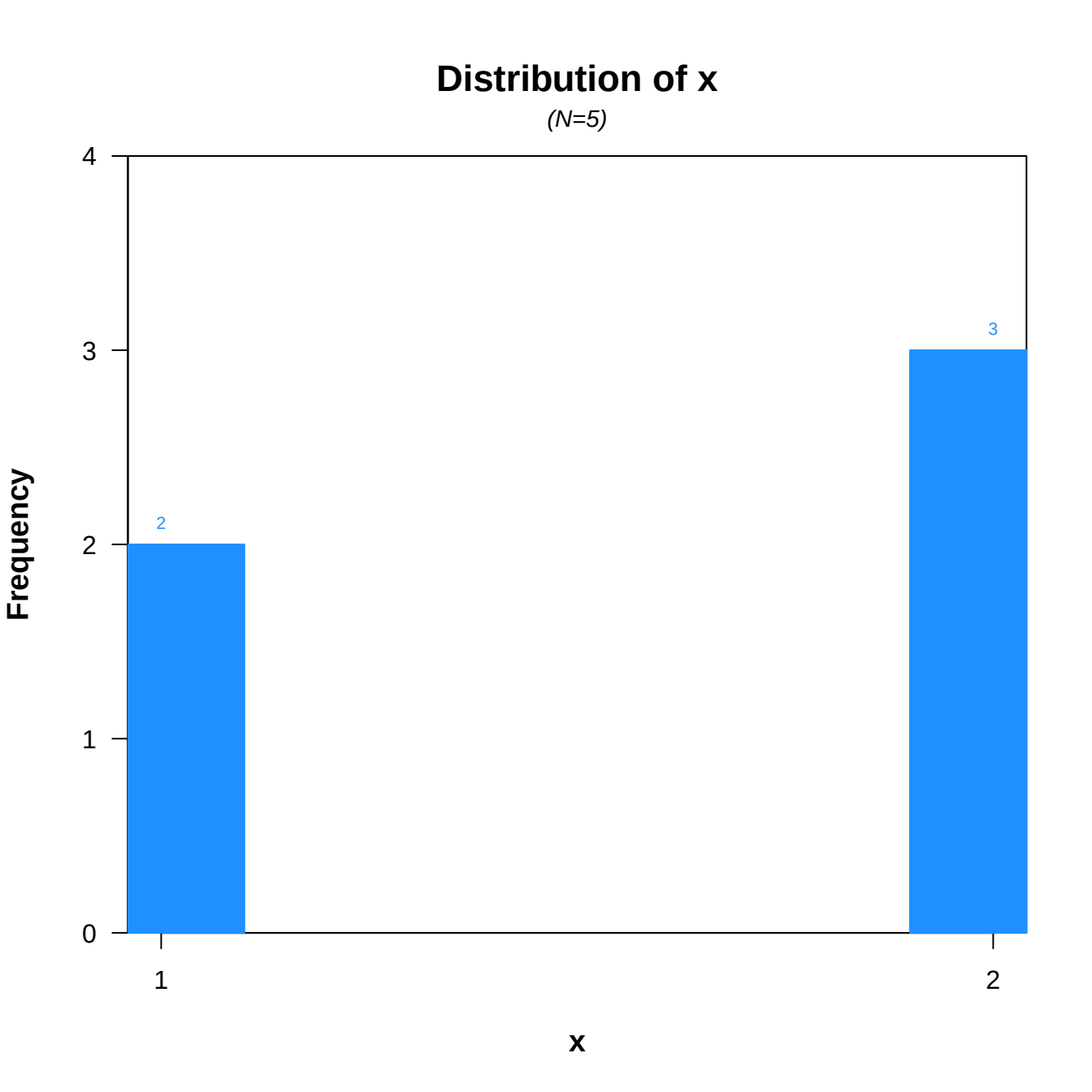

Distribution of x
(N=5)
Frequency
4
3
2
1
0
2
3
1
2
x

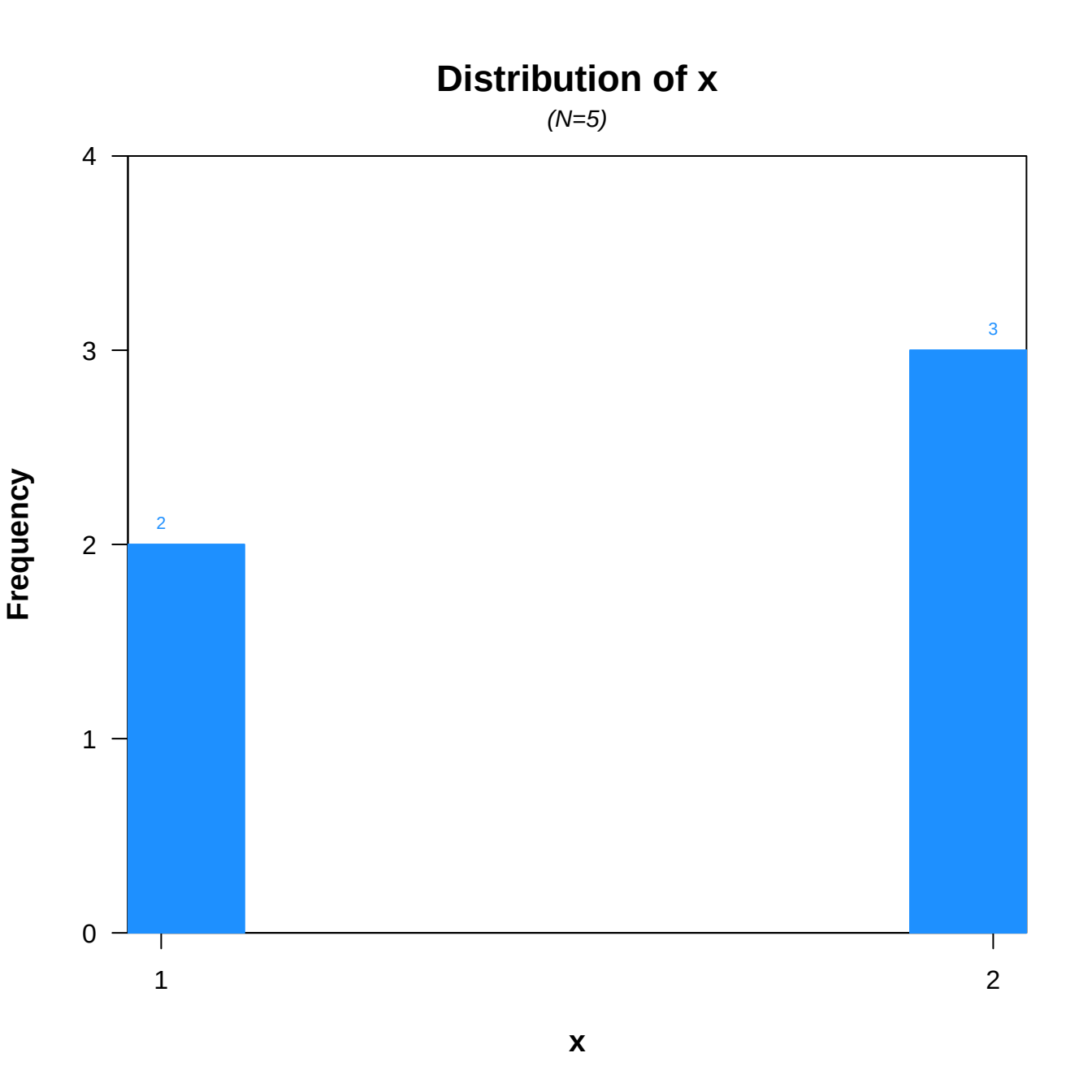

Distribution of x
(N=5)
Frequency
4
3
2
1
0
2
3
1
2
x

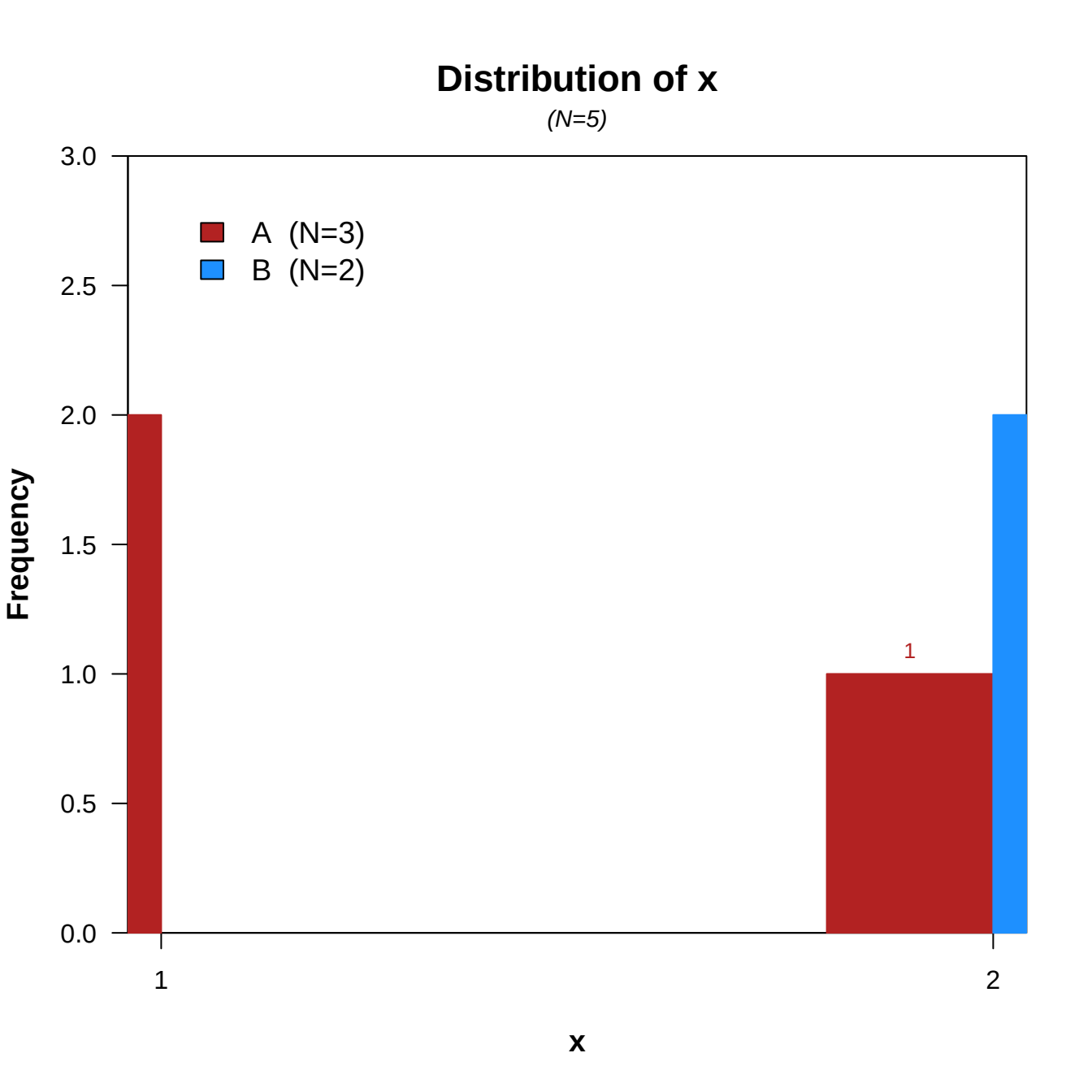

Distribution of x
(N=5)
Frequency
4
3
2
1
0
2
3
1
2
x

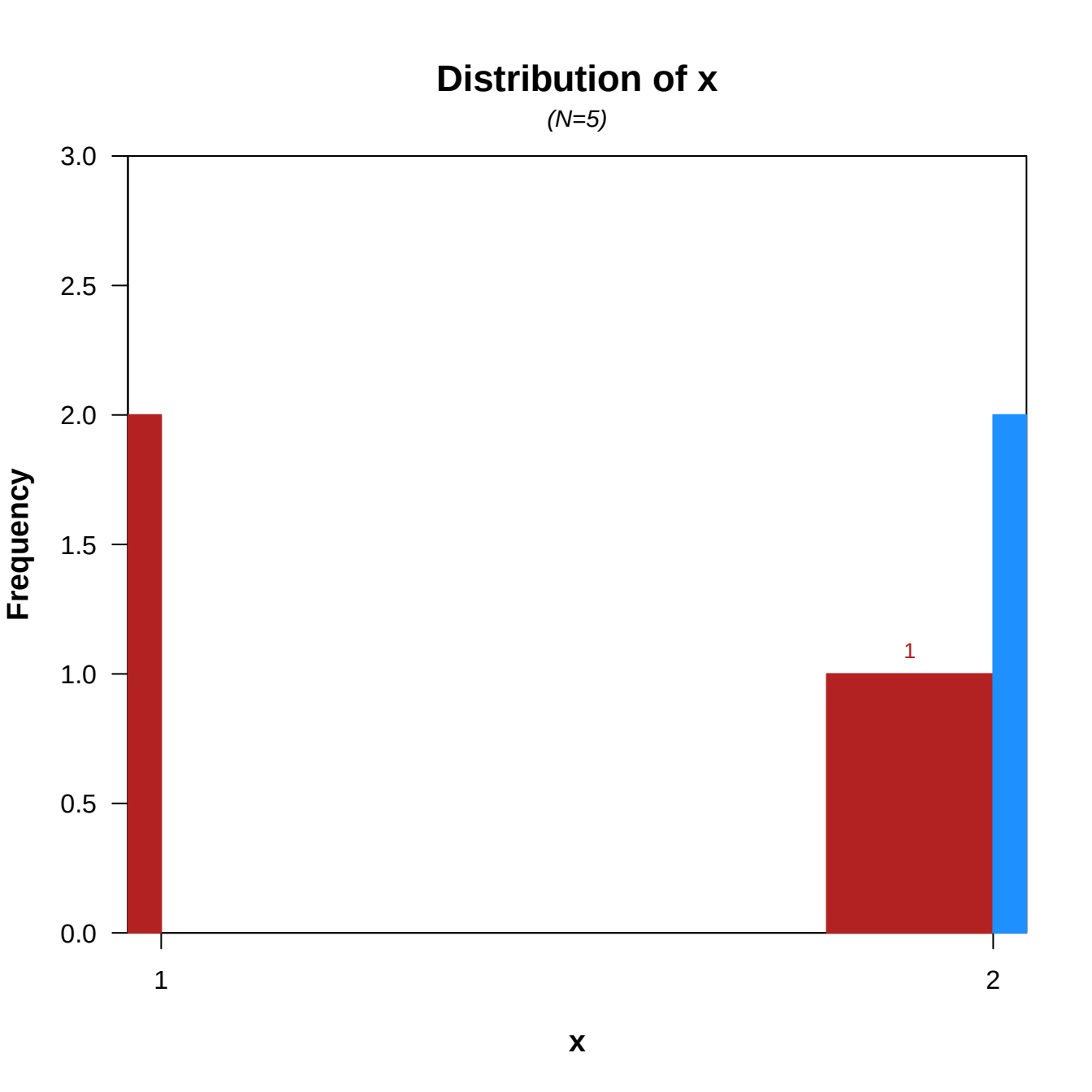

Distribution of x
(N=5)
Frequency
4
3
2
1
0
2
3
1
2
x

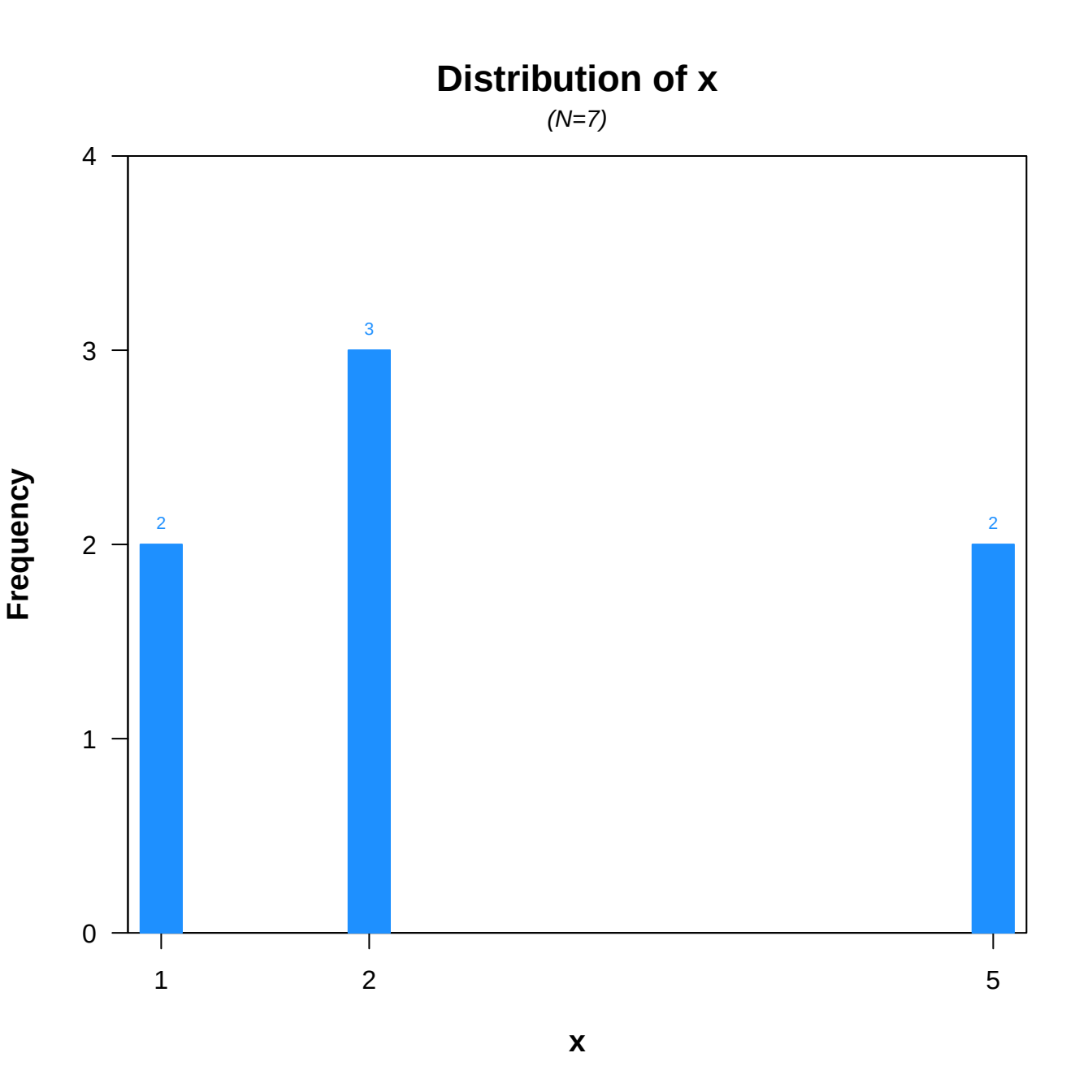

Distribution of x
(N=5)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
Frequency
1
2
x

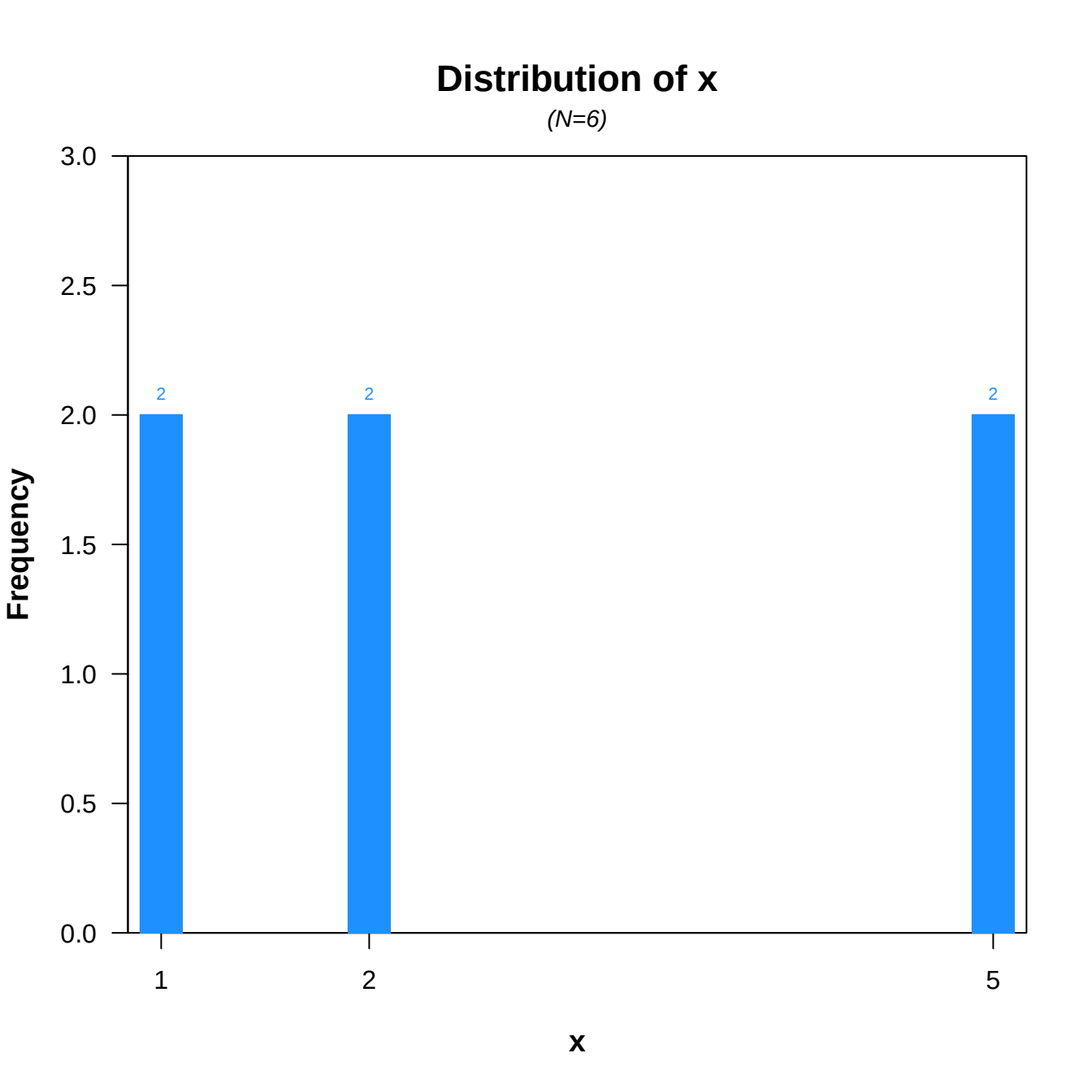

Distribution of x
(N=5)
Frequency
4
3
2
1
0
2
3
1
2
x

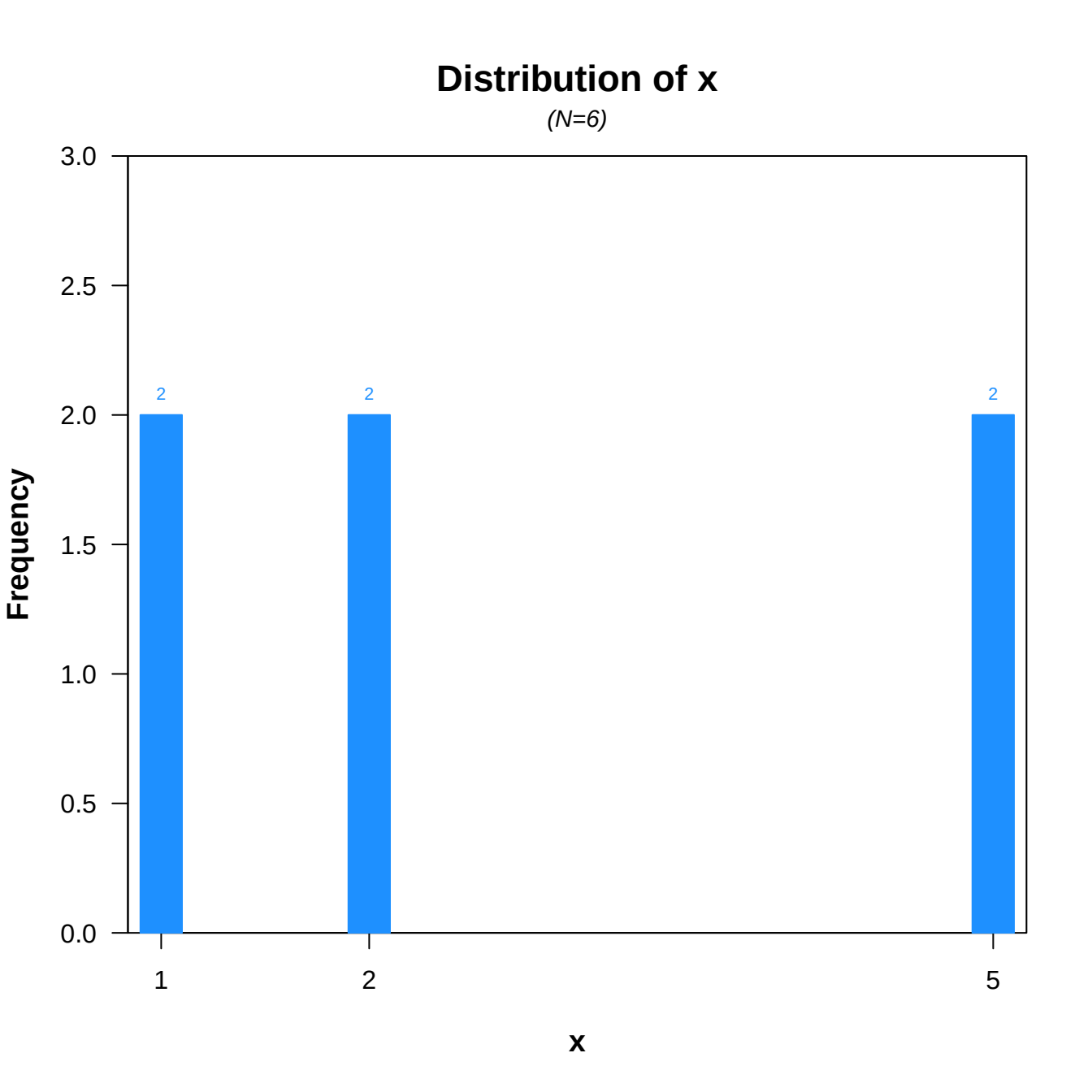

Distribution of x
(N=5)
Frequency
4
3
2
1
0
2
3
1
2
x

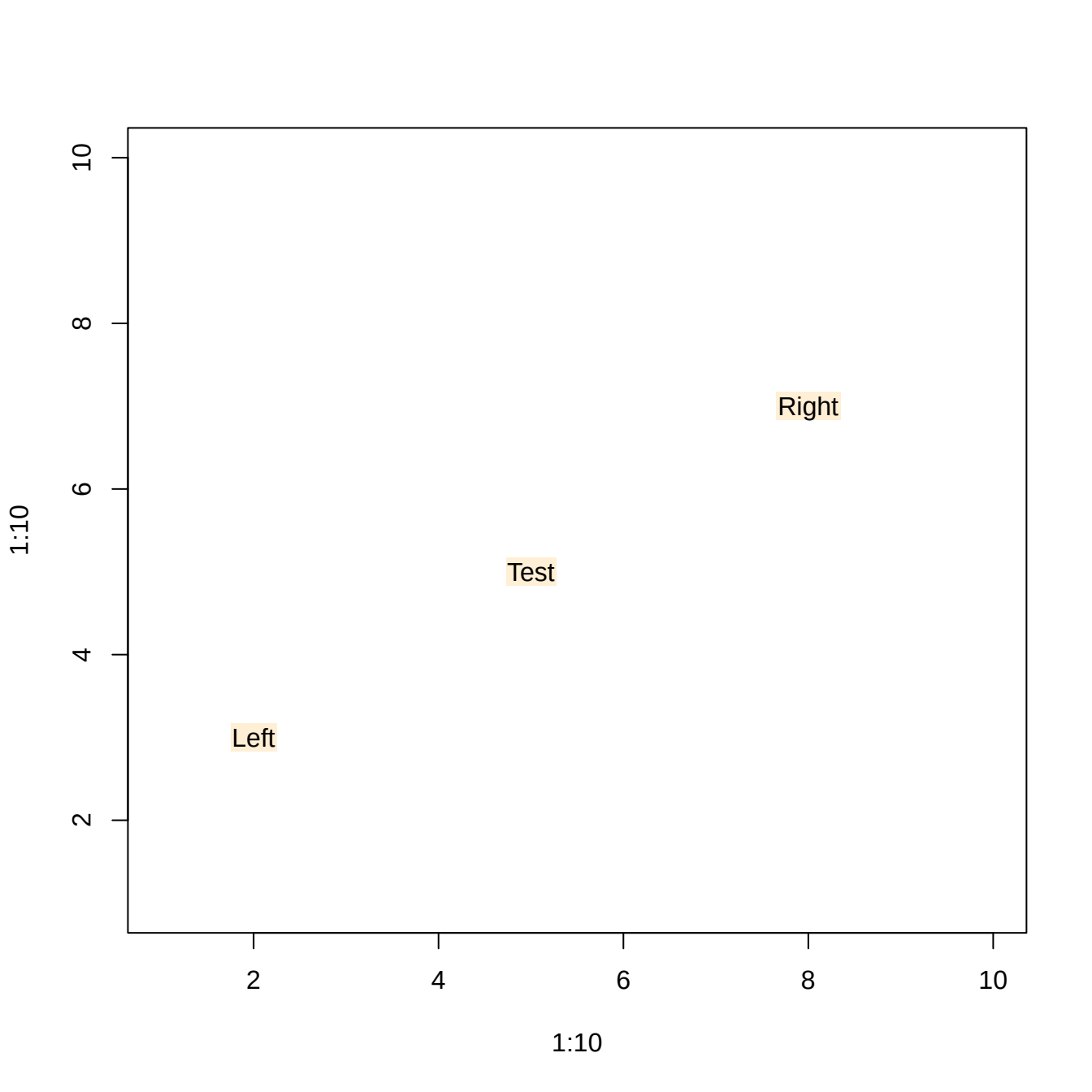

Distribution of x
(N=5)
A (N=3)
B (N=2)
Frequency
3.0
2.5
2.0
1.5
1.0
0.5
0.0
1
1
2
x

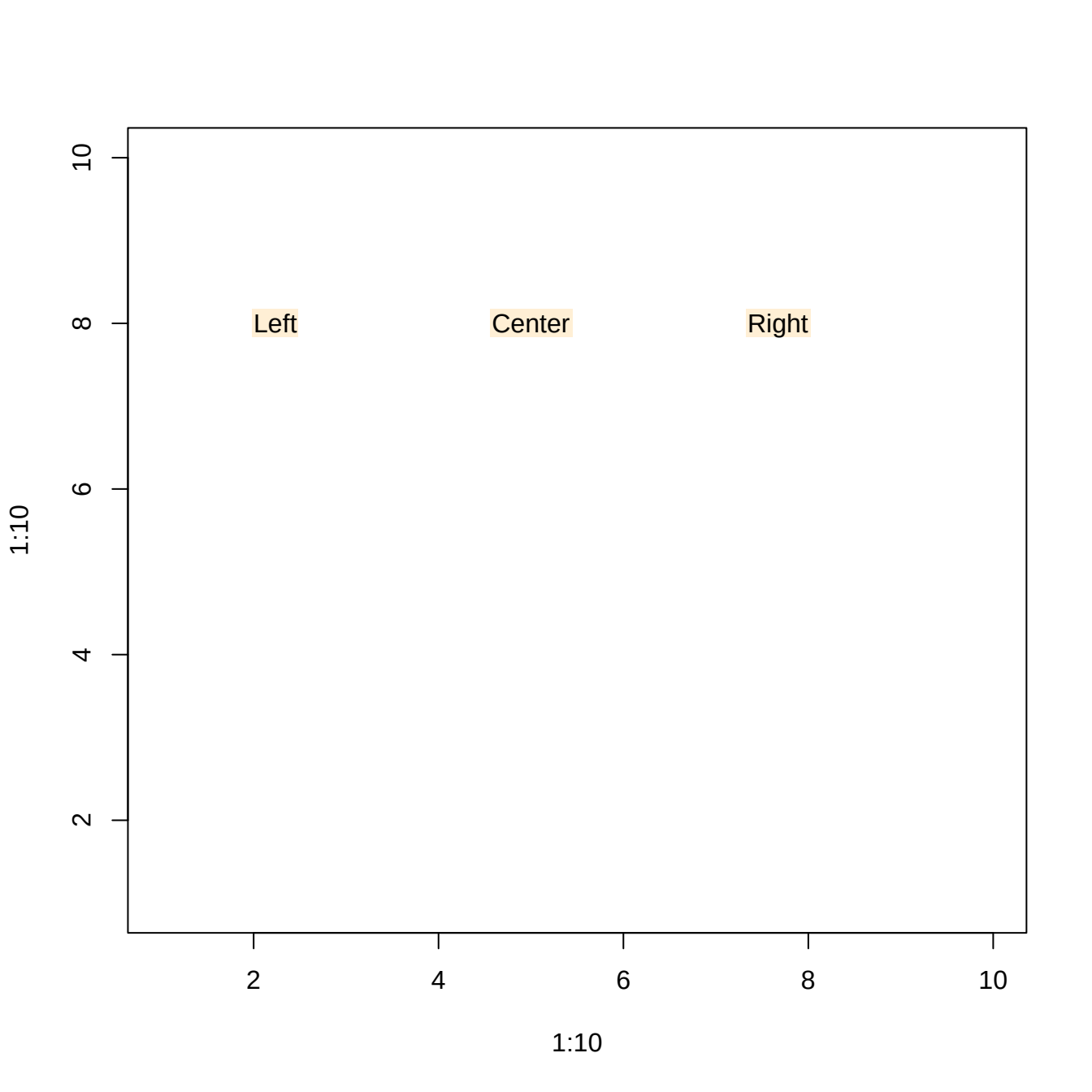

Distribution of x
(N=5)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
Frequency
1
1
2
x

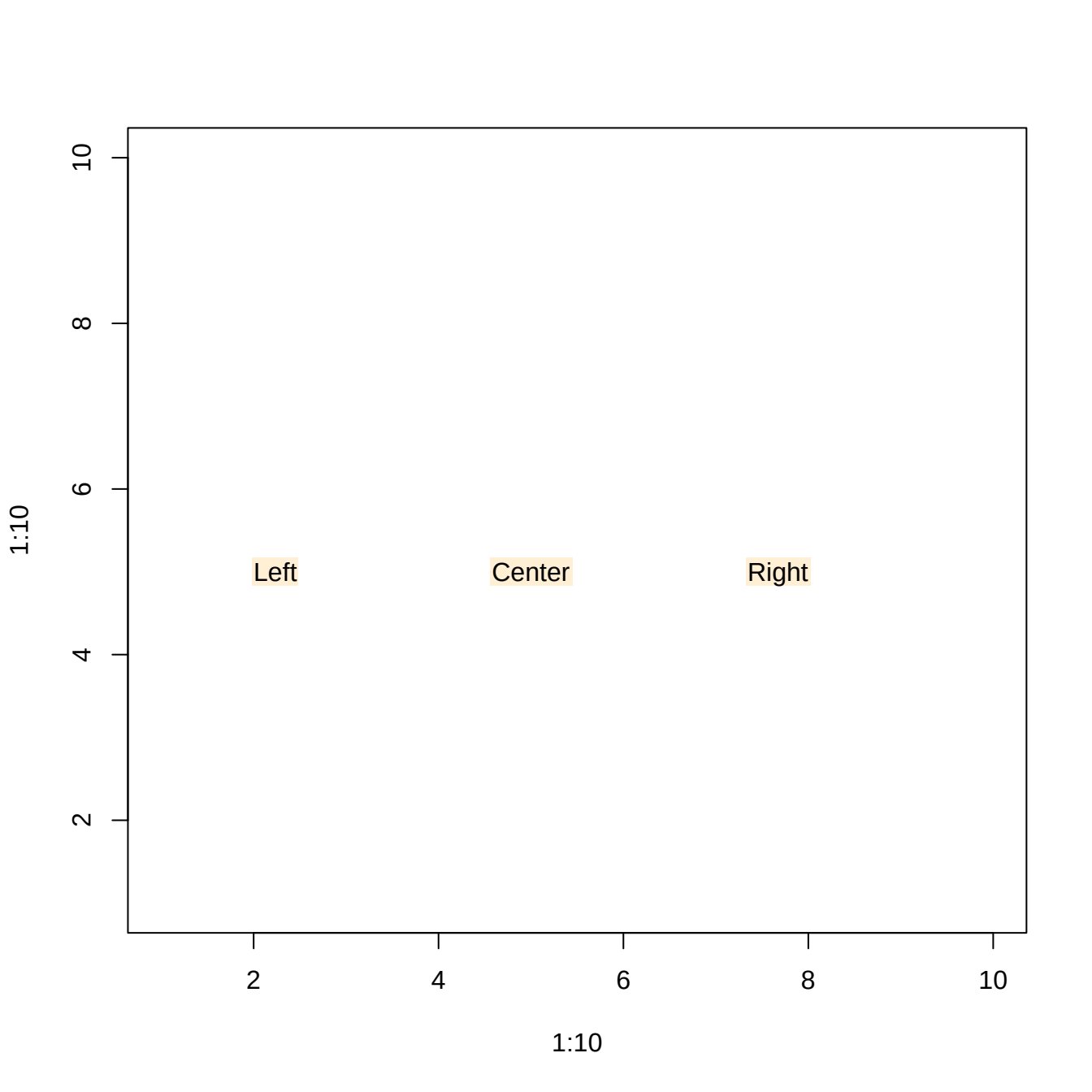

Distribution of x
(N=7)
Frequency
4
3
2
1
0
2
3
2
1
2
5
x

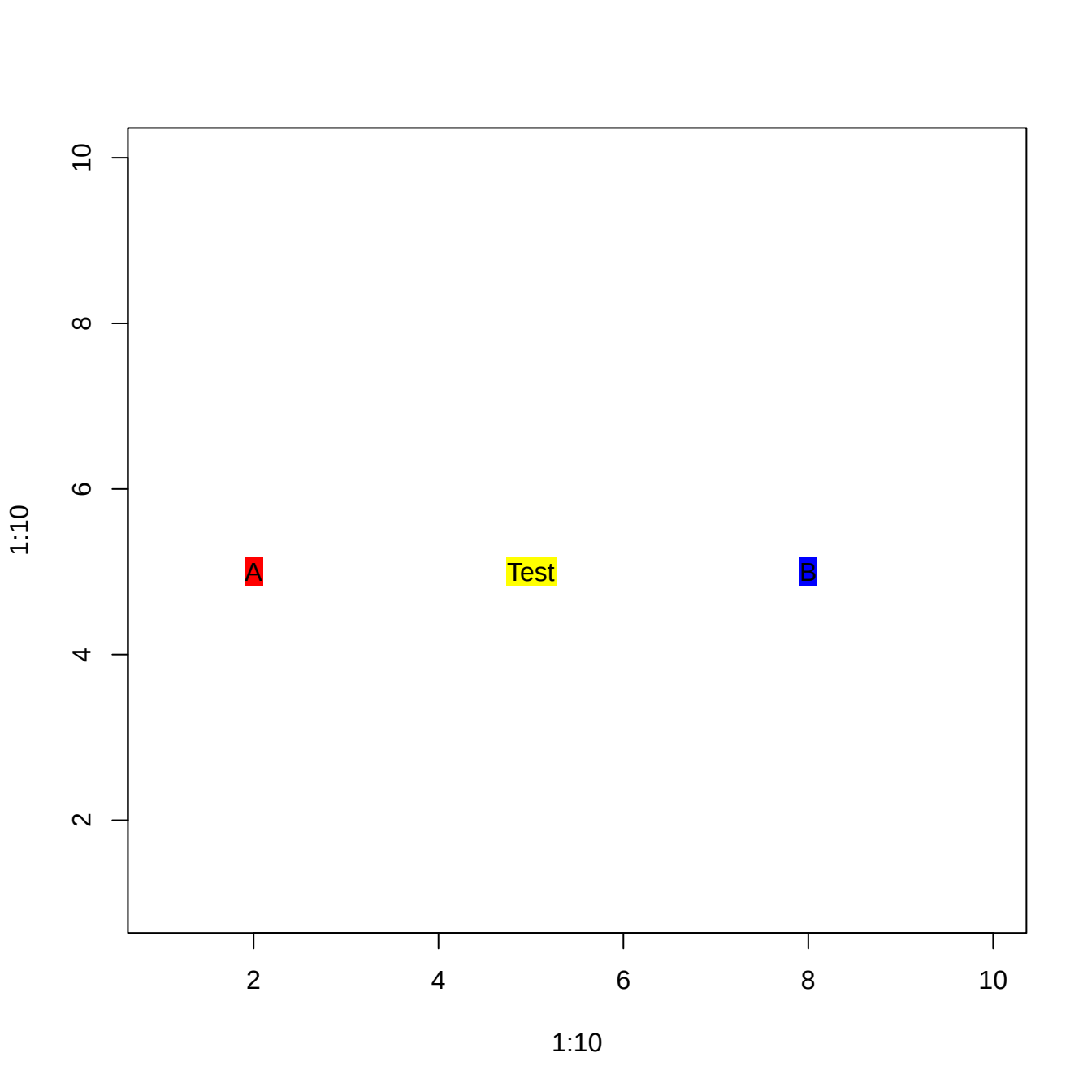

Distribution of x
(N=6)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
Frequency
2
2
2
1
2
5
x

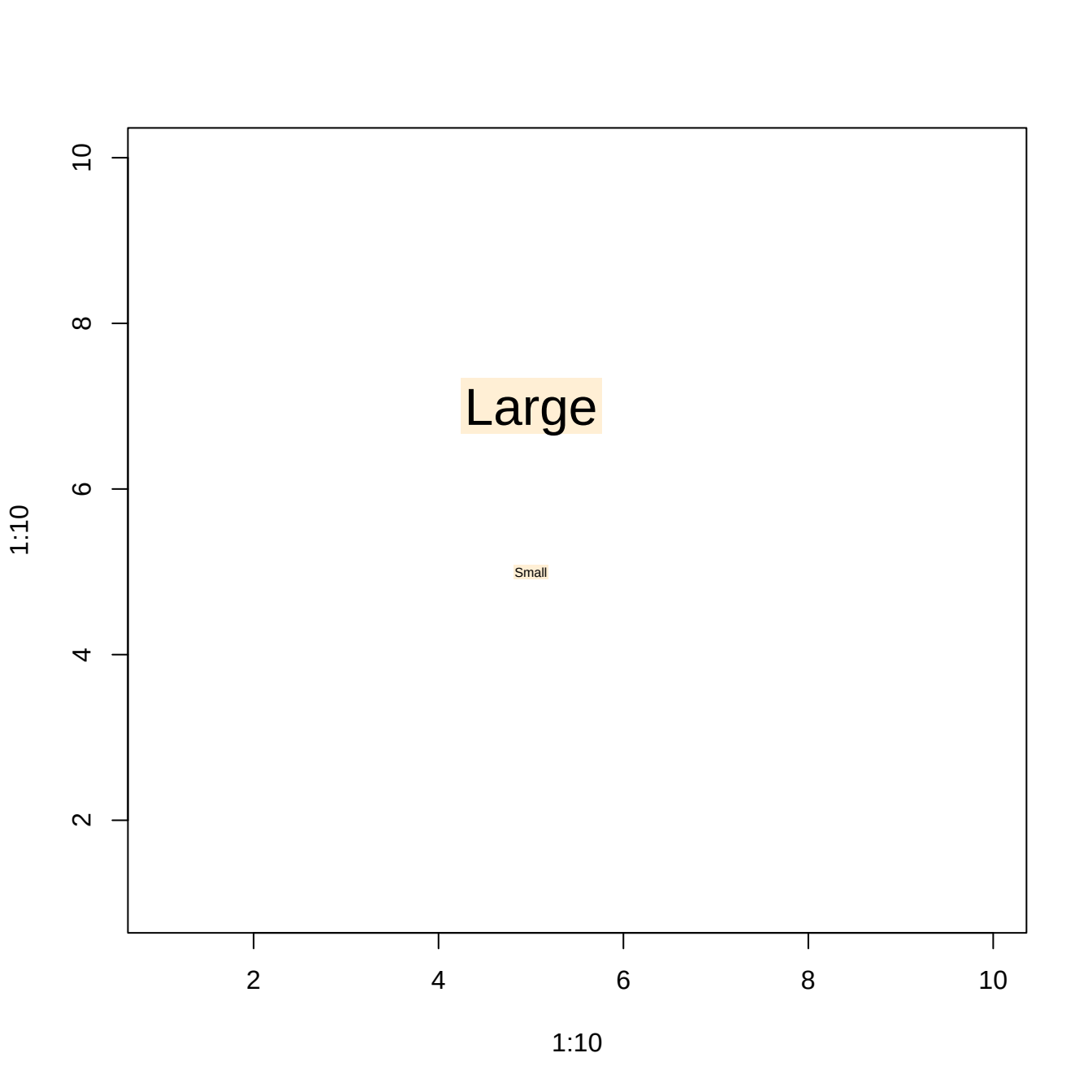

Distribution of x
(N=6)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
Frequency
2
2
2
1
2
5
x

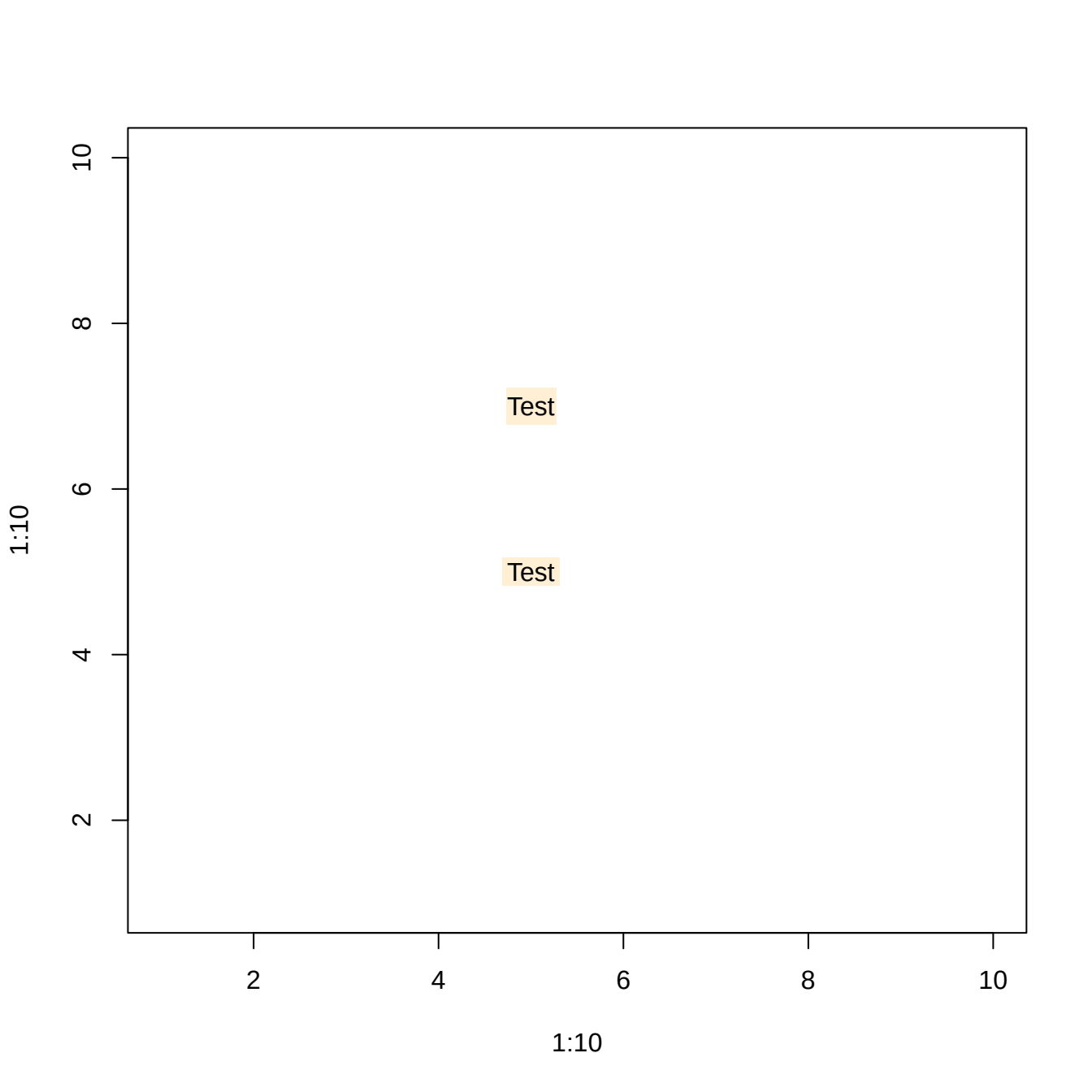

Right
Test
Left
1:10
1:10
2
4
6
8
10
2
4
6
8
10

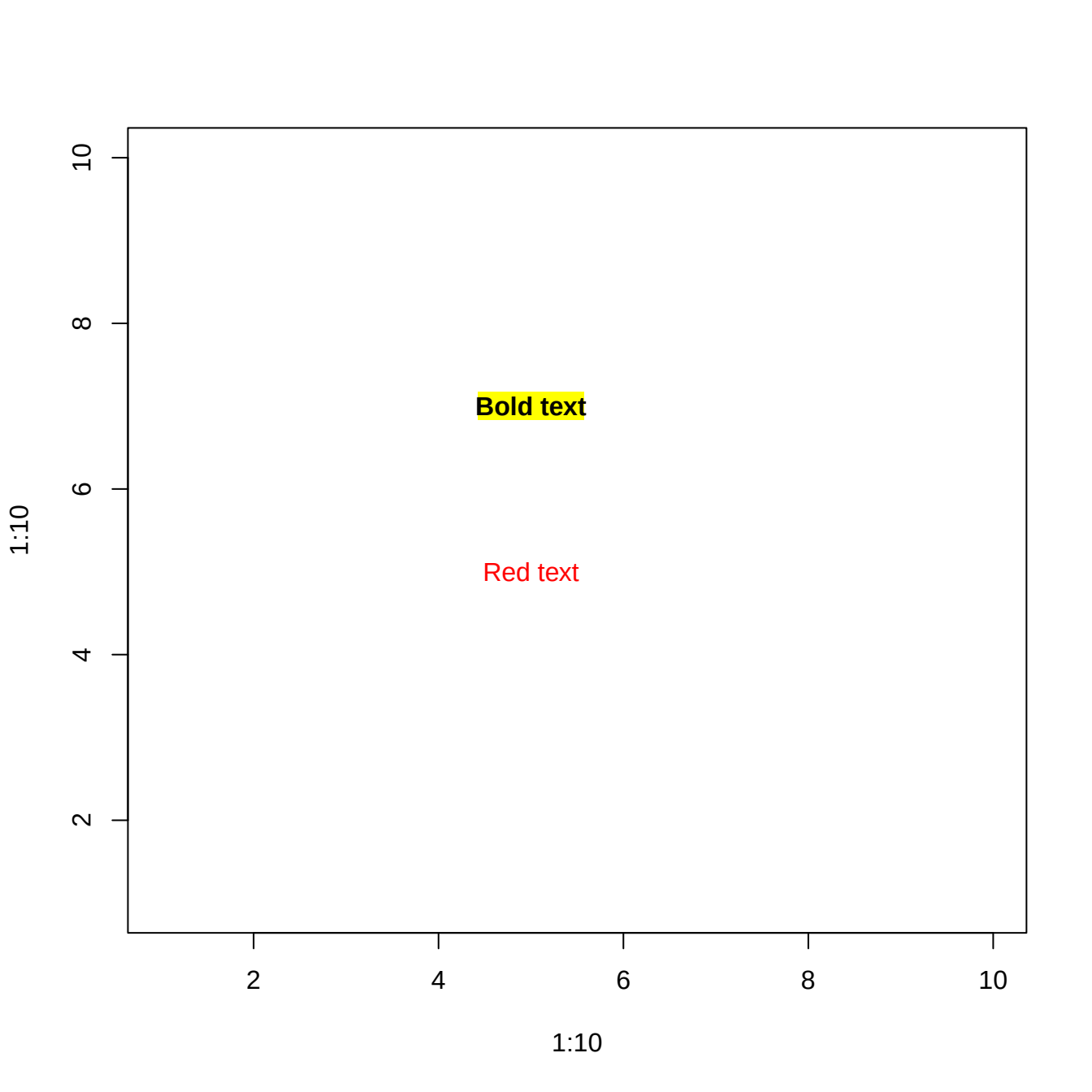

Left
Center
Right
1:10
1:10
2
4
6
8
10
2
4
6
8
10

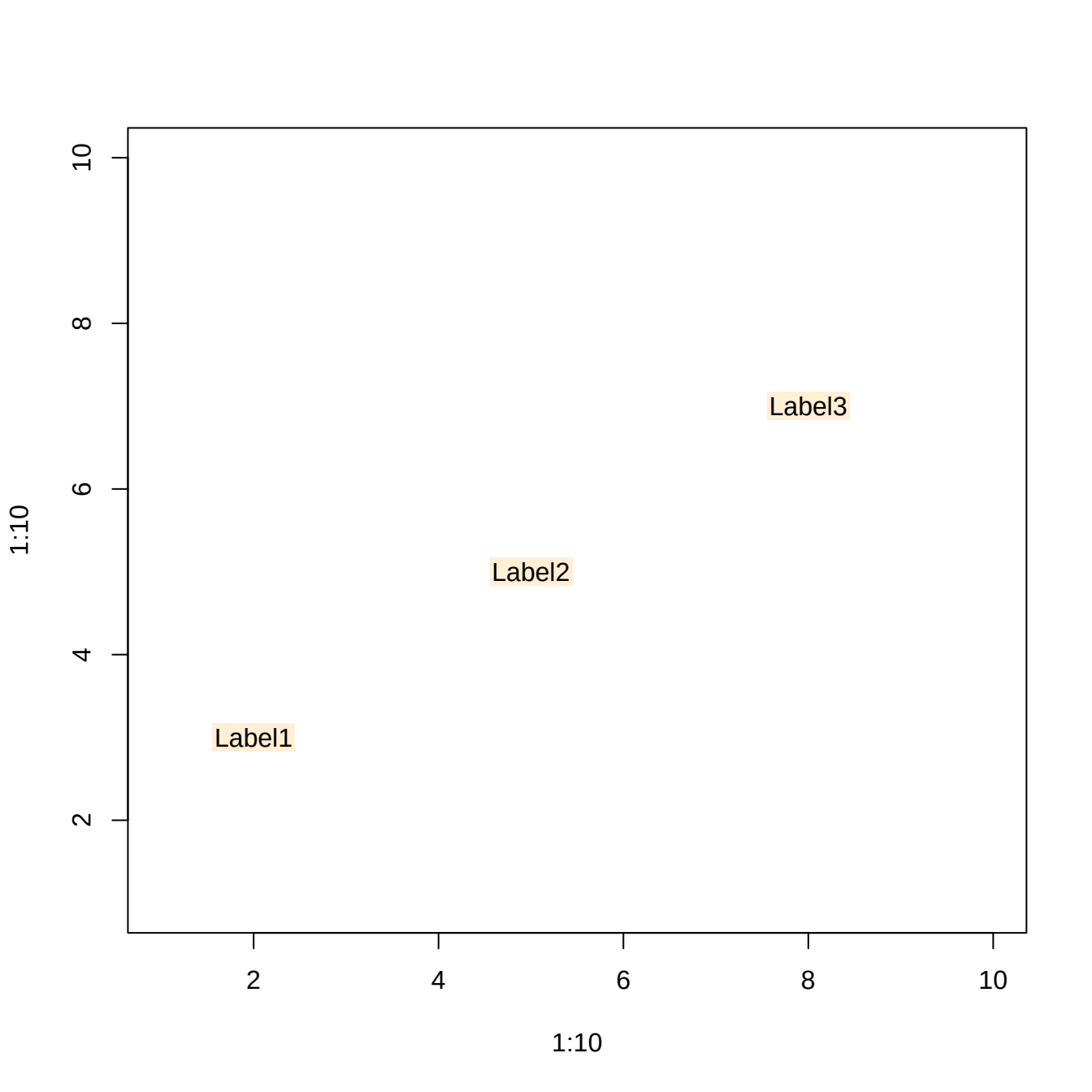

Left
Center
Right
1:10
1:10
2
4
6
8
10
2
4
6
8
10

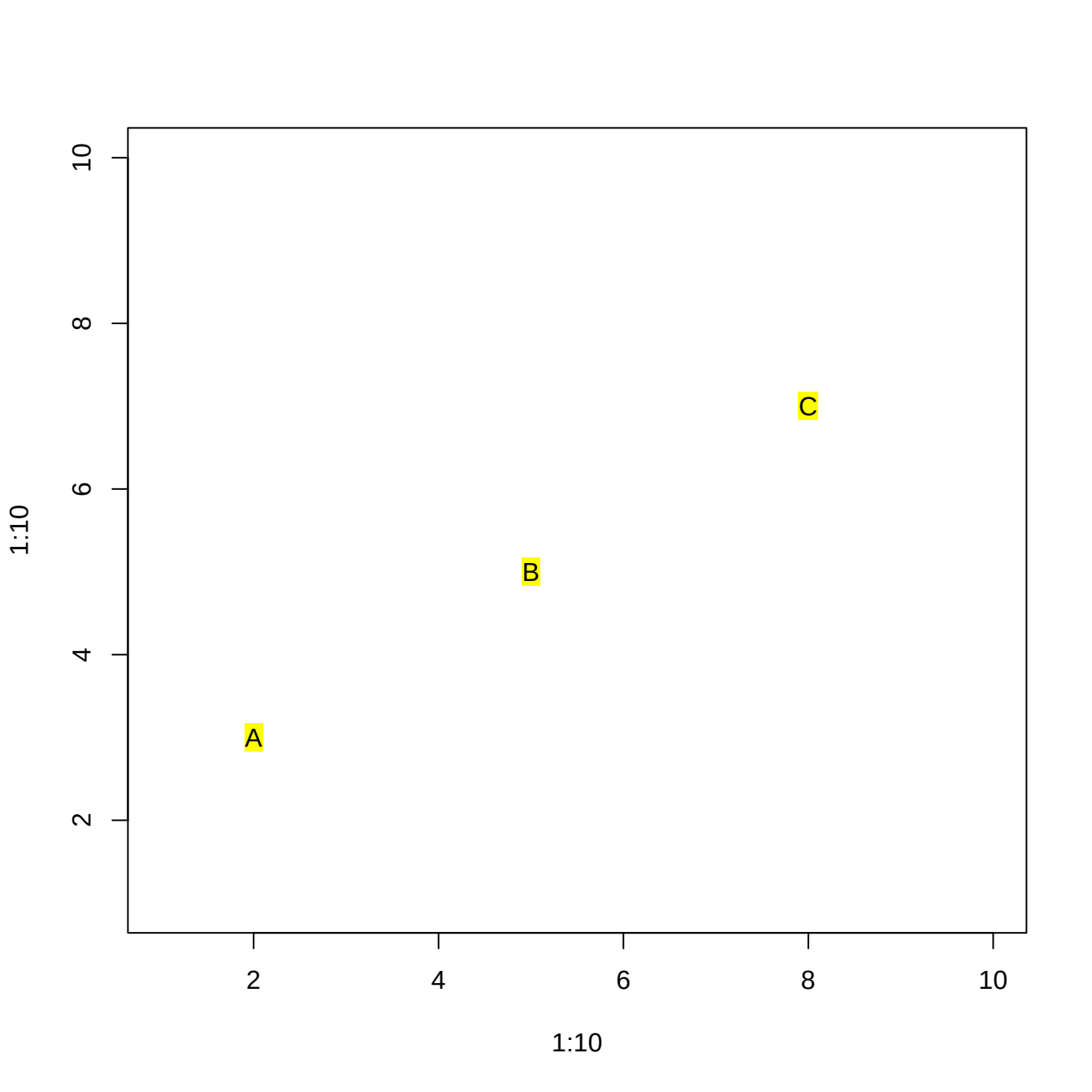

A
Test
B
1:10
1:10
2
4
6
8
10
2
4
6
8
10

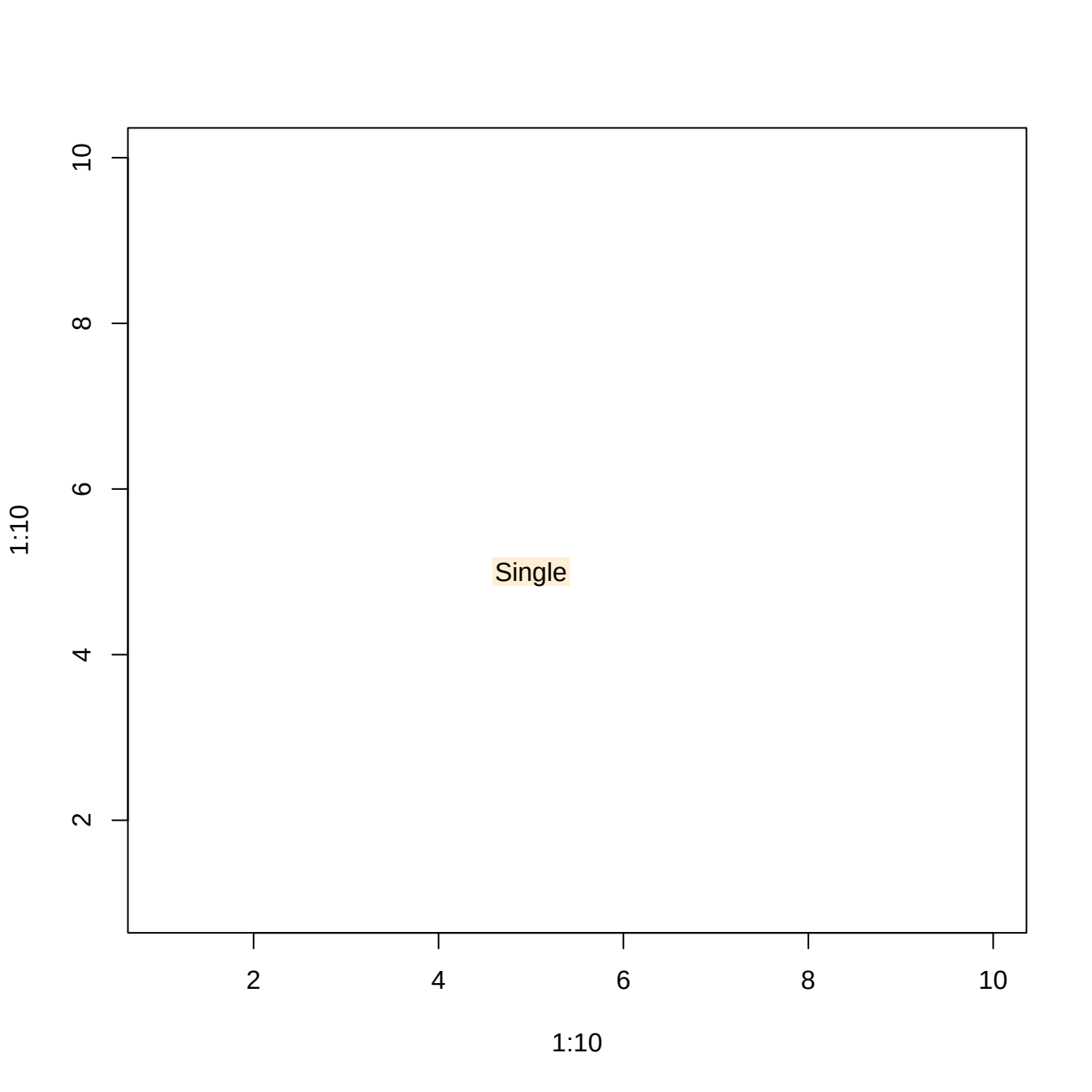

Large
Small
1:10
1:10
2
4
6
8
10
2
4
6
8
10


Test
Test
1:10
1:10
2
4
6
8
10
2
4
6
8
10


Bold text
Red text
1:10
1:10
2
4
6
8
10
2
4
6
8
10


Label1
Label2
Label3
2
4
6
8
10
1:10
2
4
6
8
10
1:10


A
B
C
1:10
1:10
2
4
6
8
10
2
4
6
8
10


Single
1:10
1:10
2
4
6
8
10
2
4
6
8
10