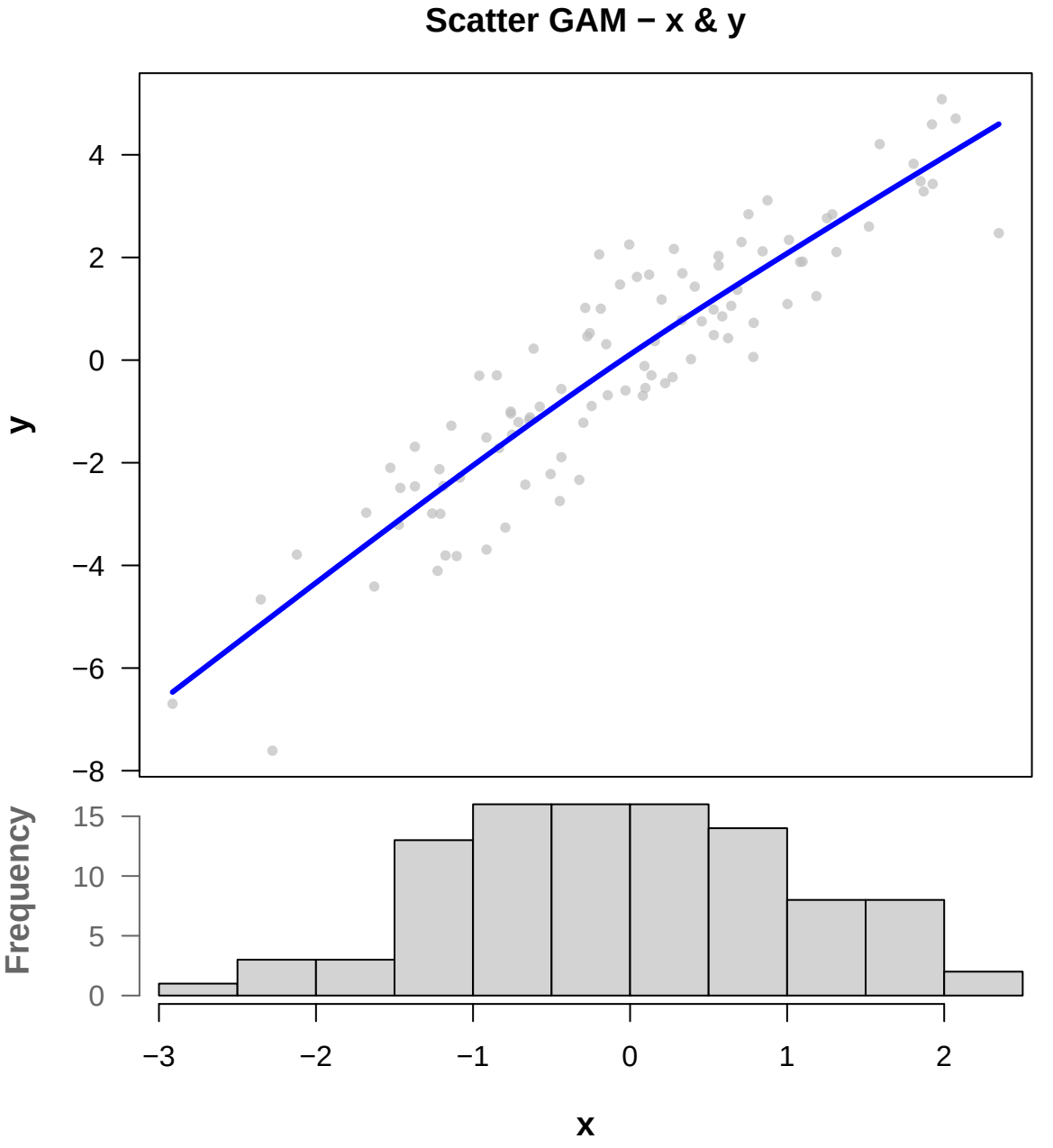
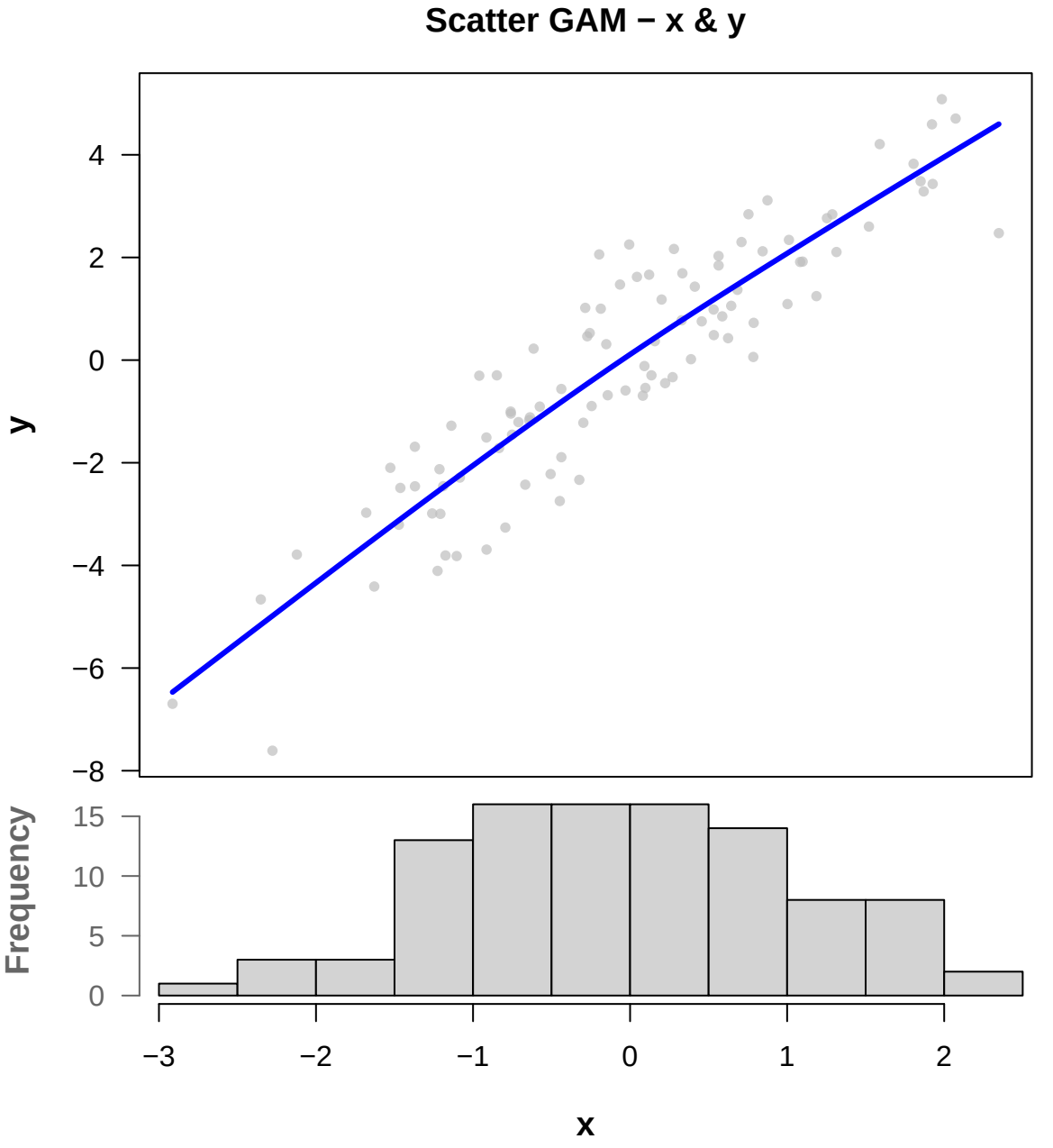
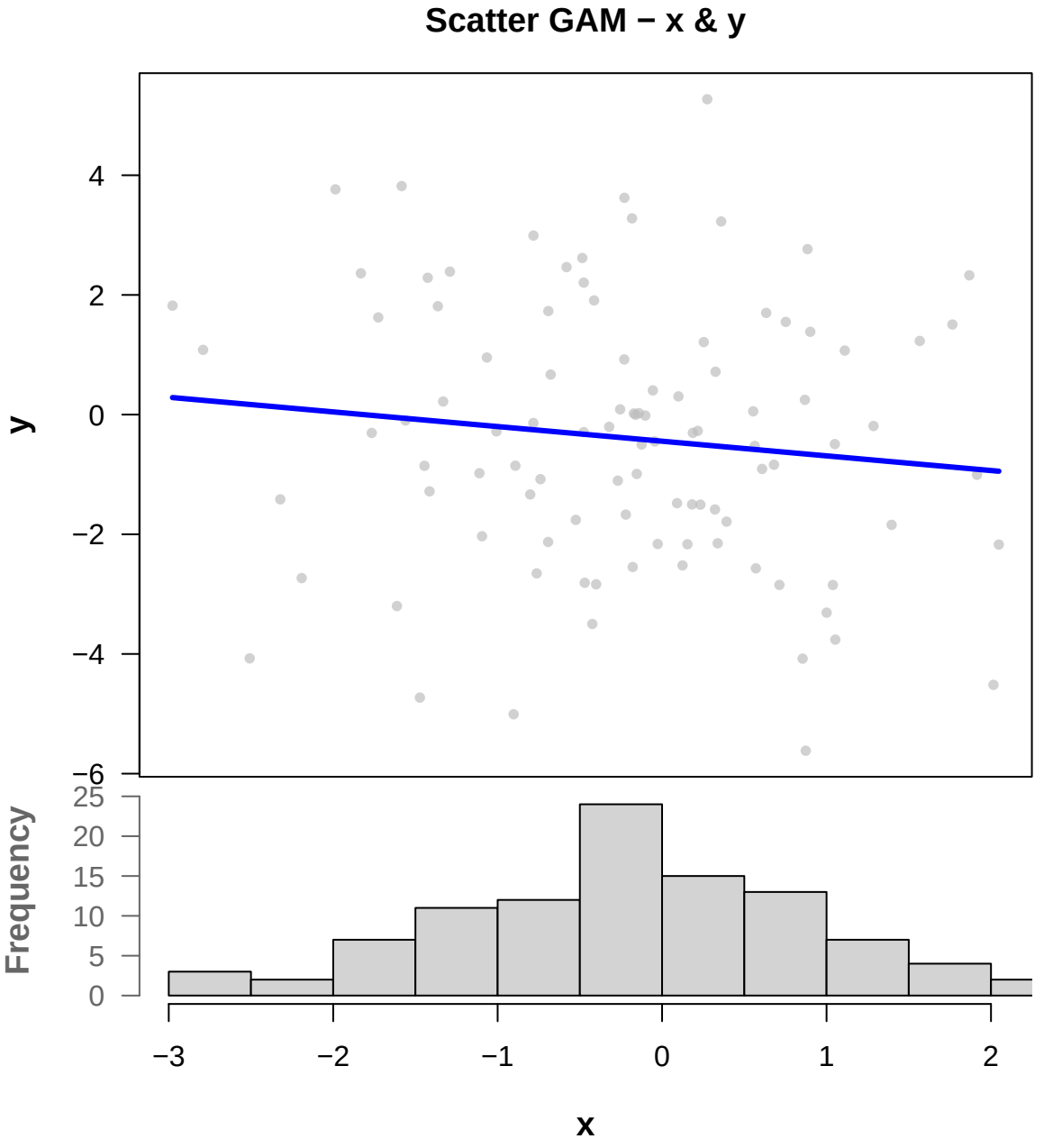
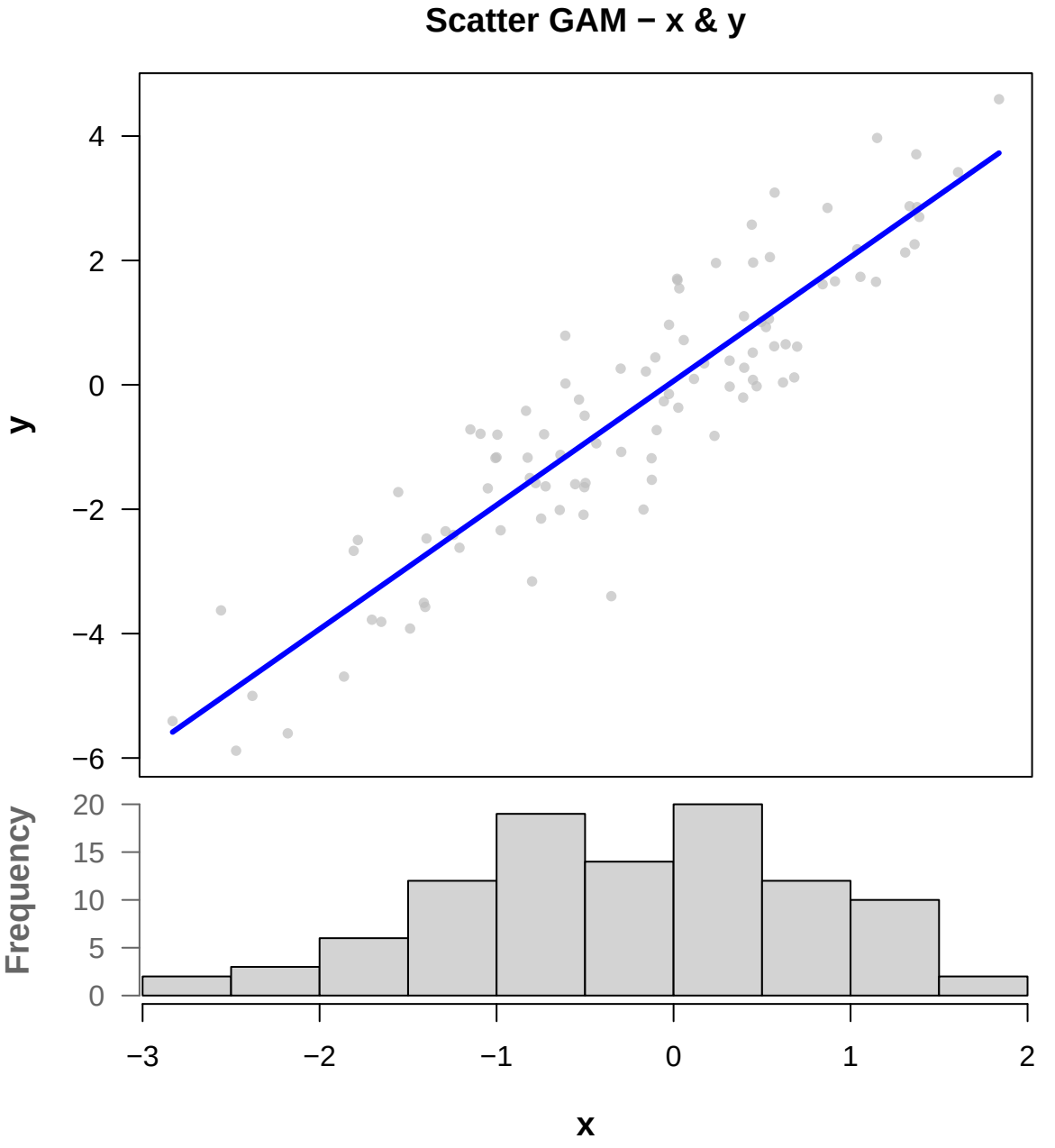
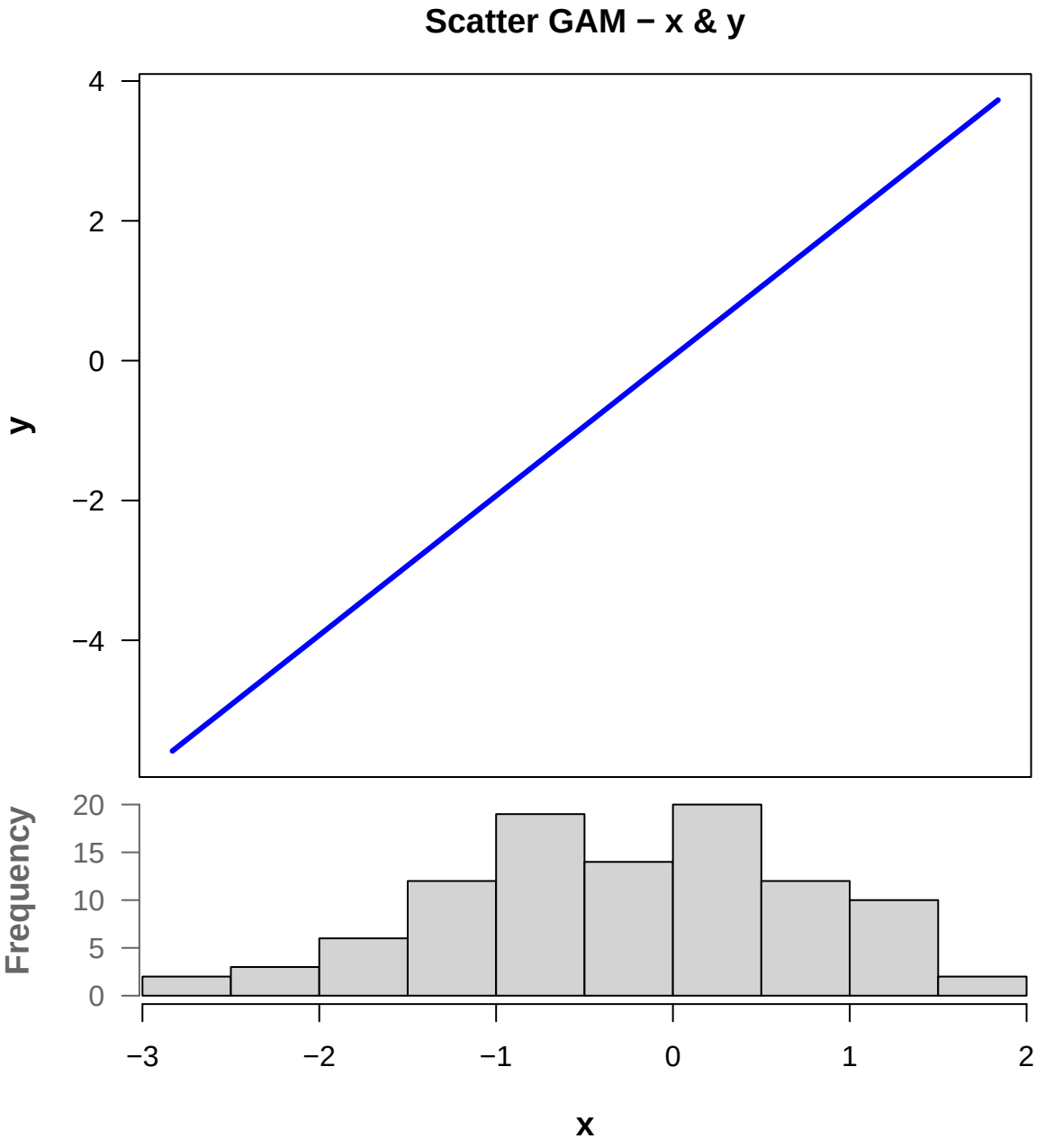
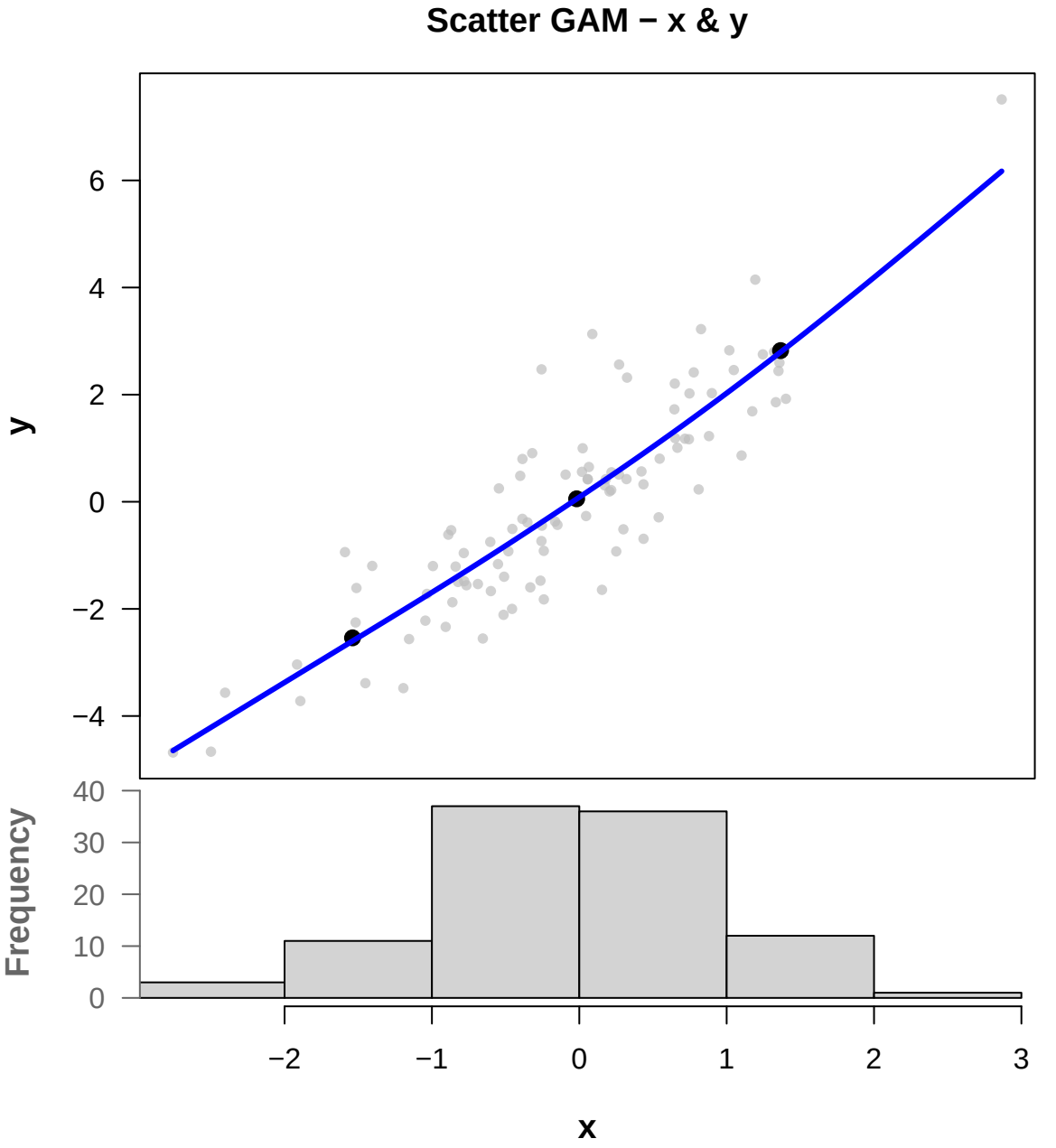

Scatter GAM − x & y
y
4
2
0
−2
−4
−6
−8
Frequency
15
10
5
0
−3
−2
−1
0
1
2
x

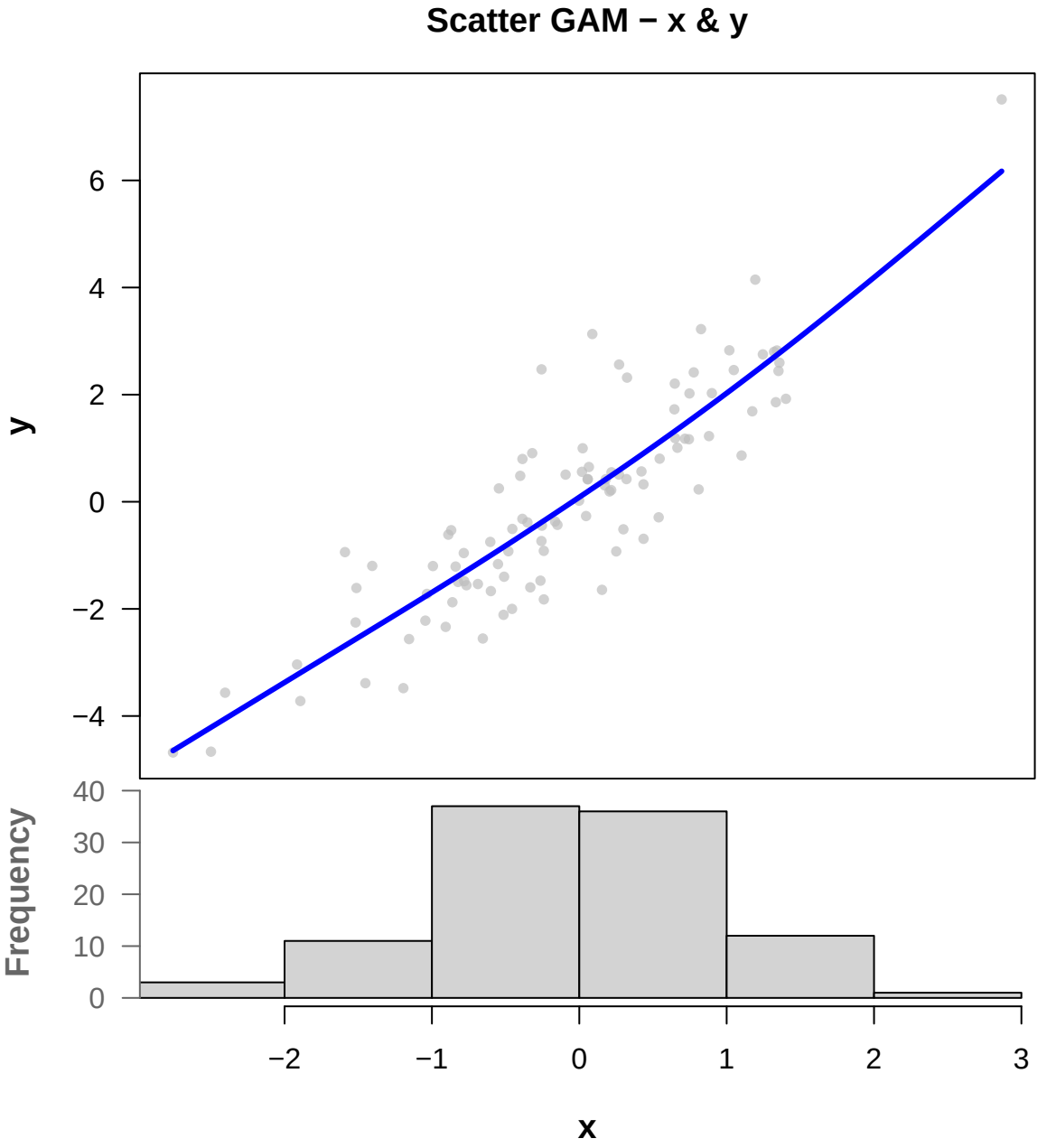

Scatter GAM − x & y
y
4
2
0
−2
−4
−6
−8
Frequency
15
10
5
0
−3
−2
−1
0
1
2
x

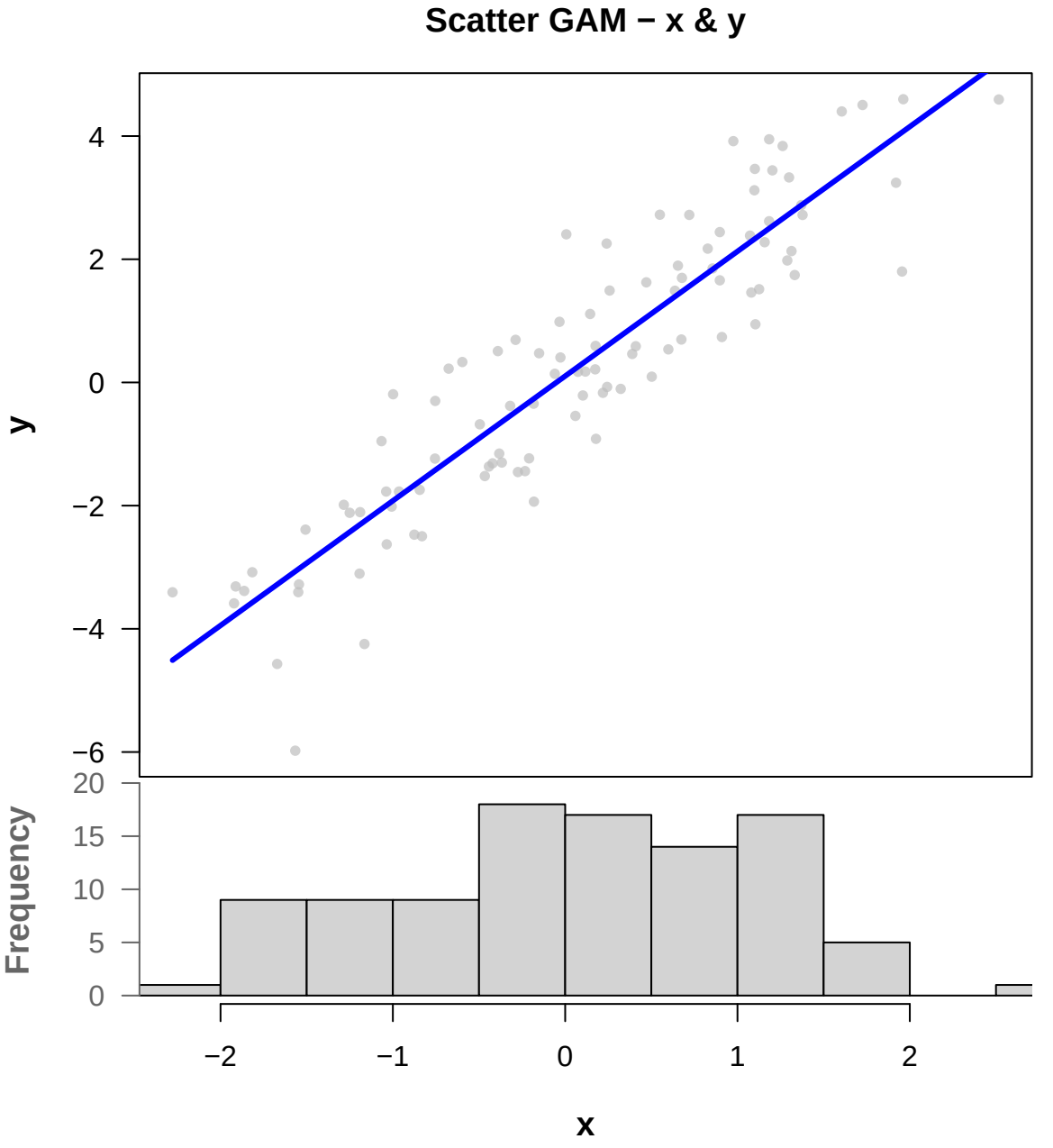

Scatter GAM − x & y
y
4
2
0
−2
−4
−6
Frequency
25
20
15
10
5
0
−3
−2
−1
0
1
2
x

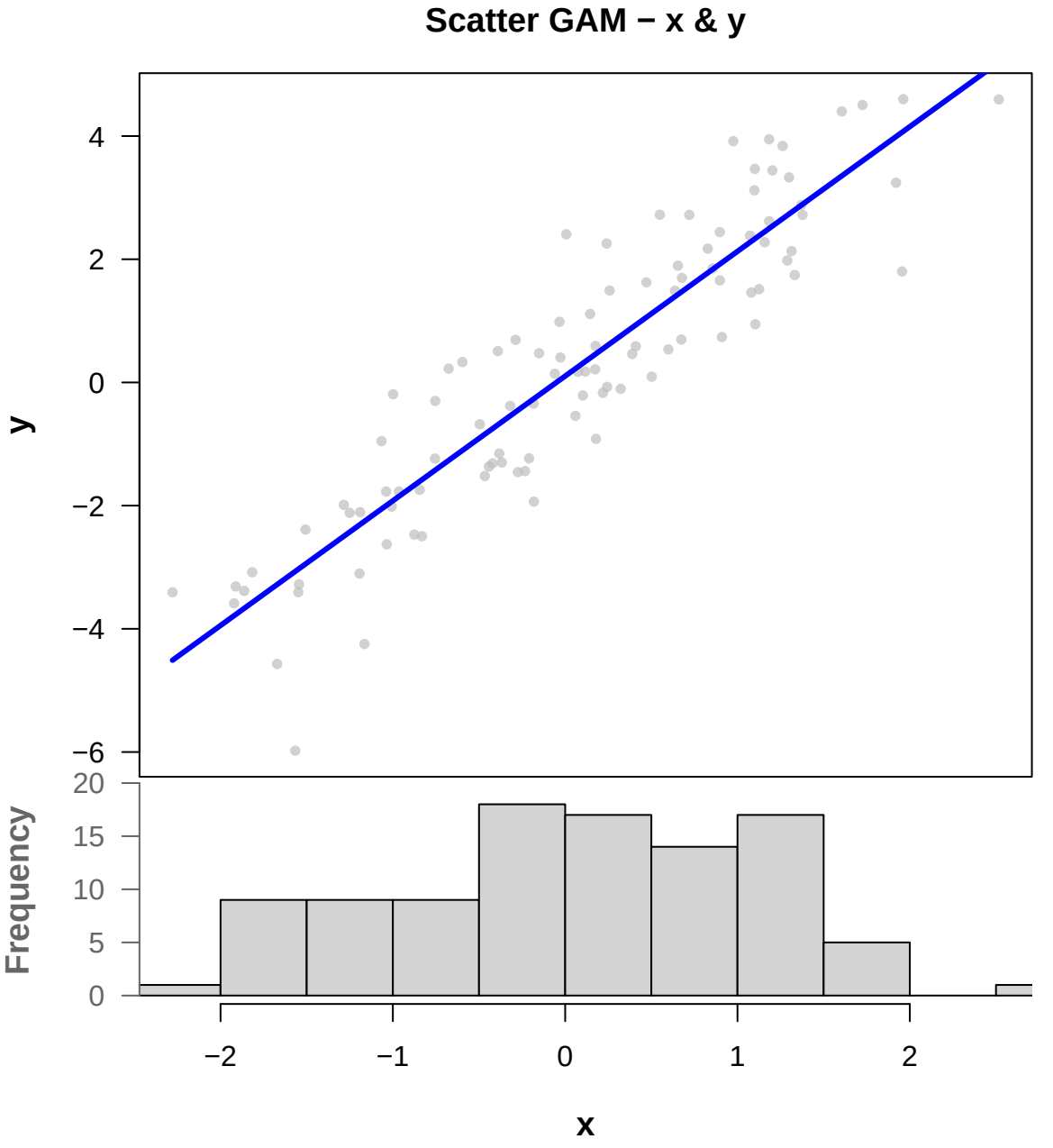

Scatter GAM − x & y
y
4
2
0
−2
−4
−6
Frequency
20
15
10
5
0
−3
−2
−1
0
1
2
x

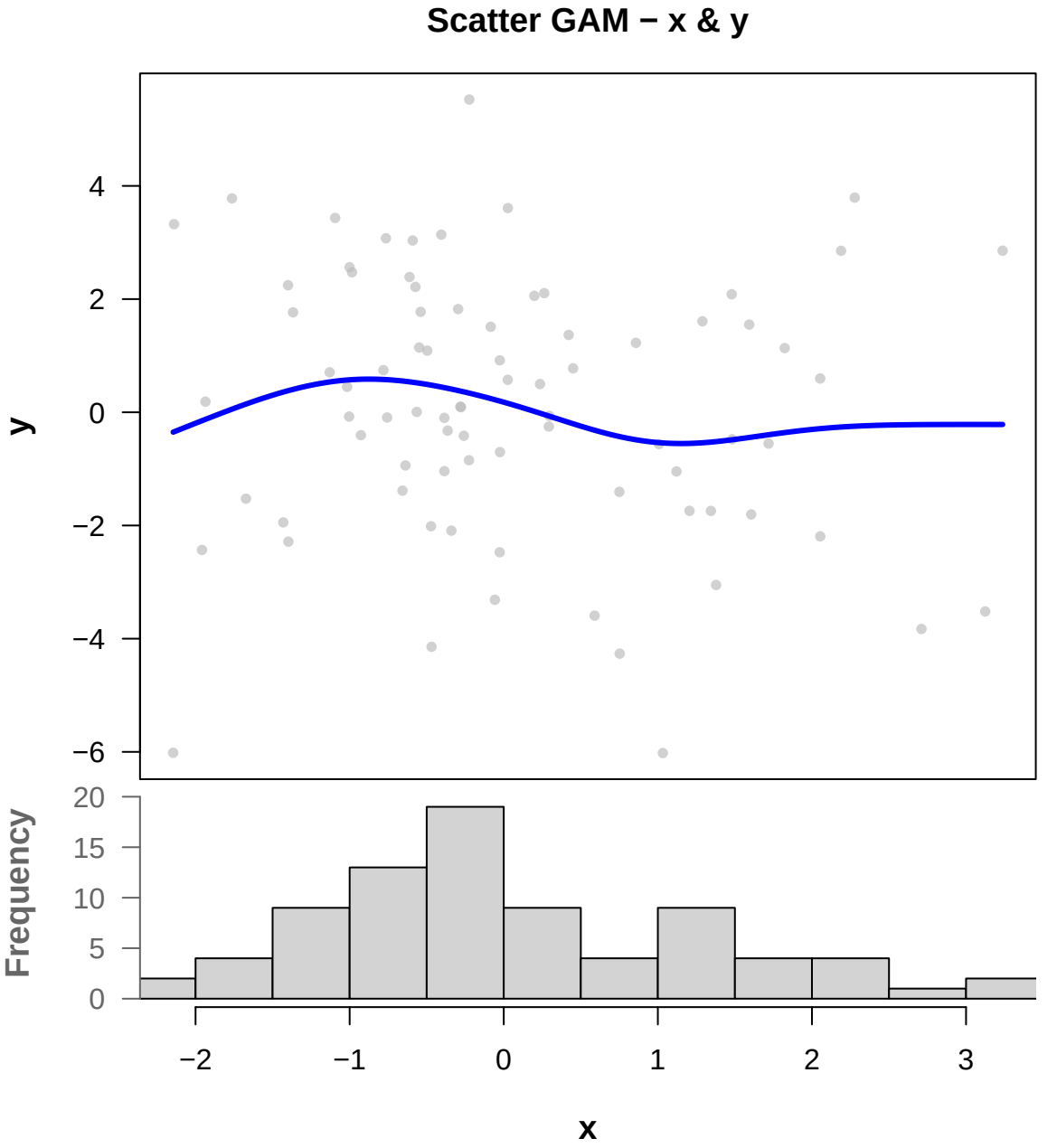

Scatter GAM − x & y
y
4
2
0
−2
−4
Frequency
20
15
10
5
0
−3
−2
−1
0
1
2
x

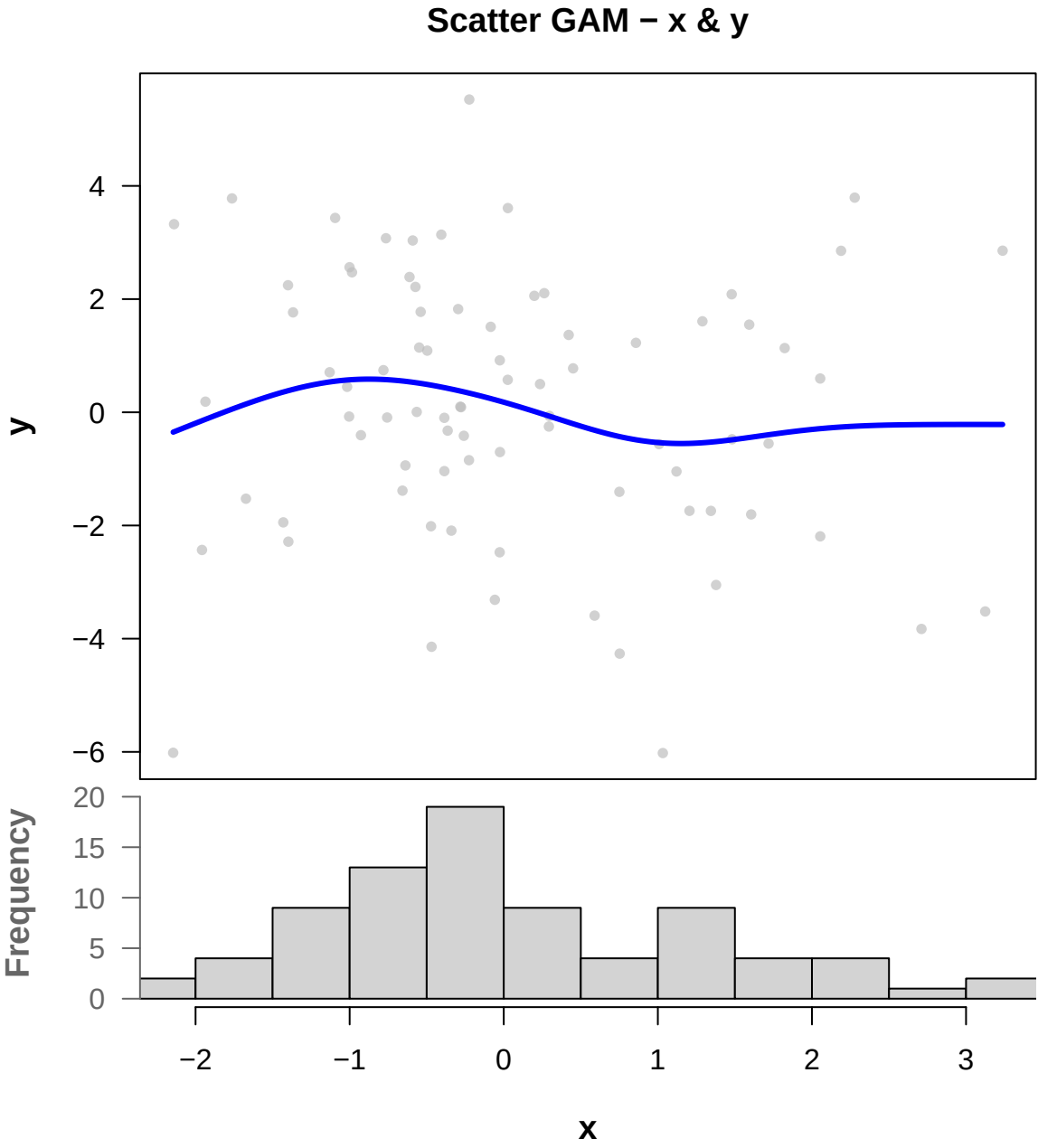

Scatter GAM − x & y
y
6
4
2
0
−2
−4
Frequency
40
30
20
10
0
−2
−1
0
1
2
3
x

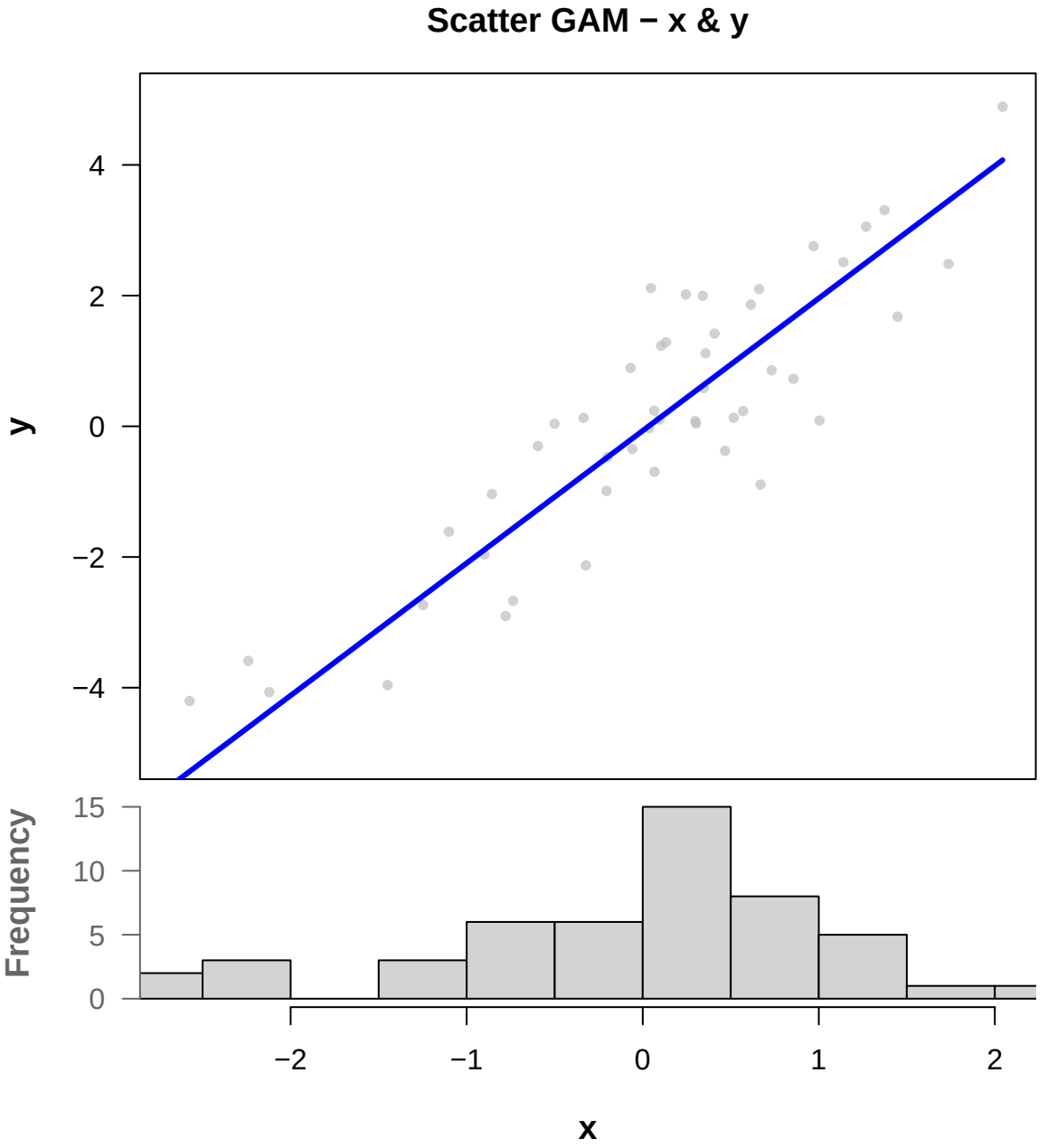

Scatter GAM − x & y
y
6
4
2
0
−2
−4
Frequency
40
30
20
10
0
−2
−1
0
1
2
3
x

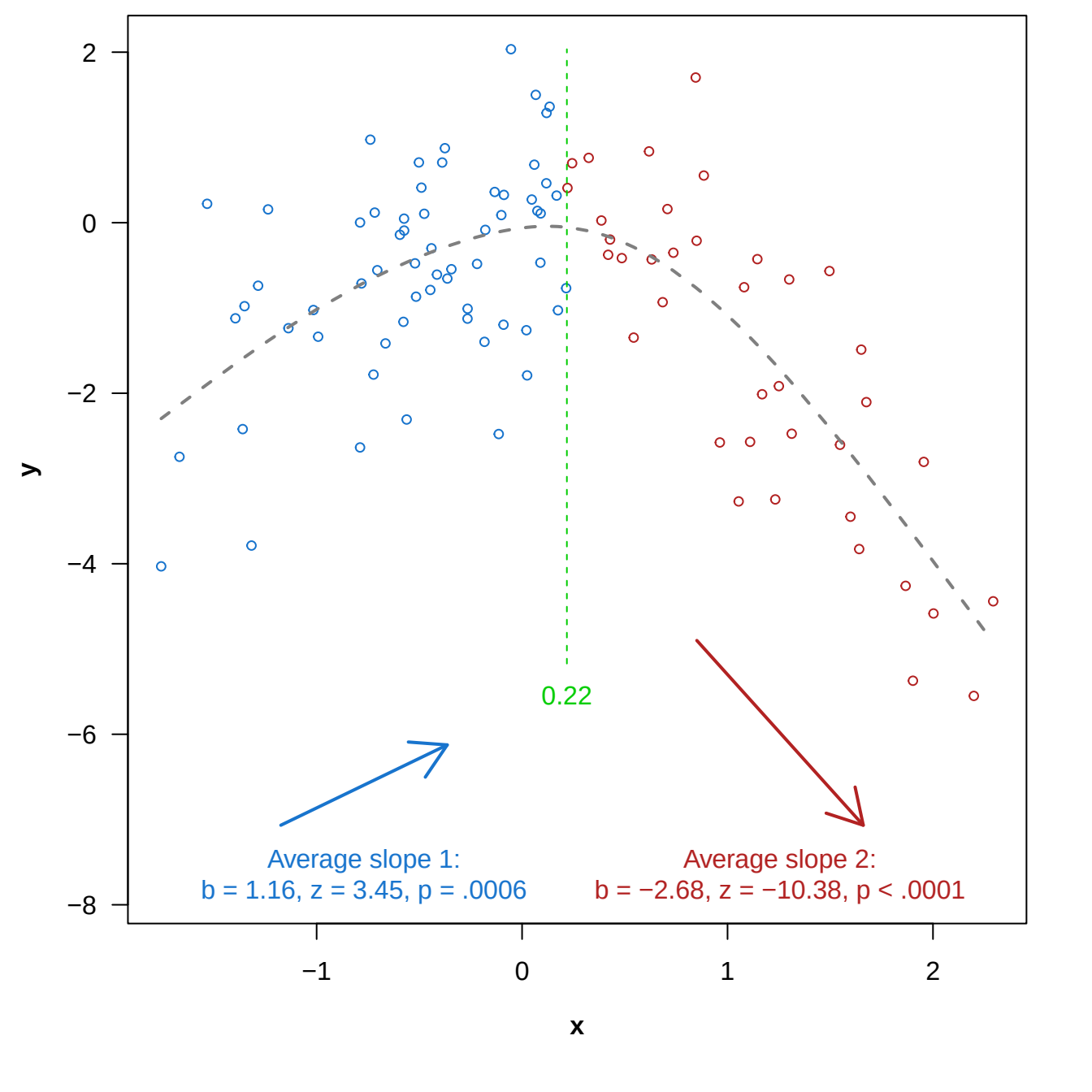

Scatter GAM − x & y
y
4
2
0
−2
−4
−6
Frequency
20
15
10
5
0
−2
−1
0
1
2
x

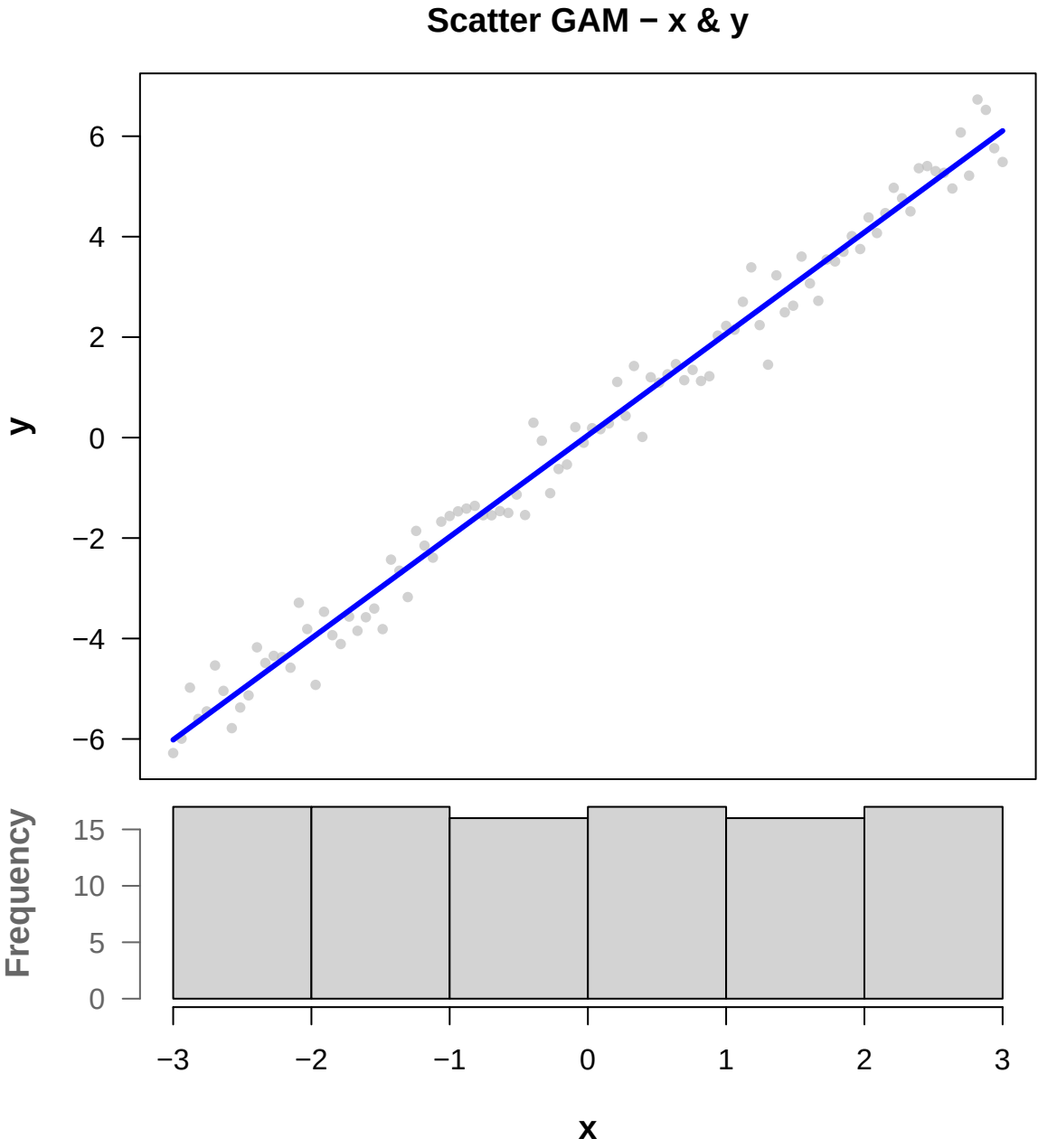

Scatter GAM − x & y
y
4
2
0
−2
−4
−6
Frequency
20
15
10
5
0
−2
−1
0
1
2
x

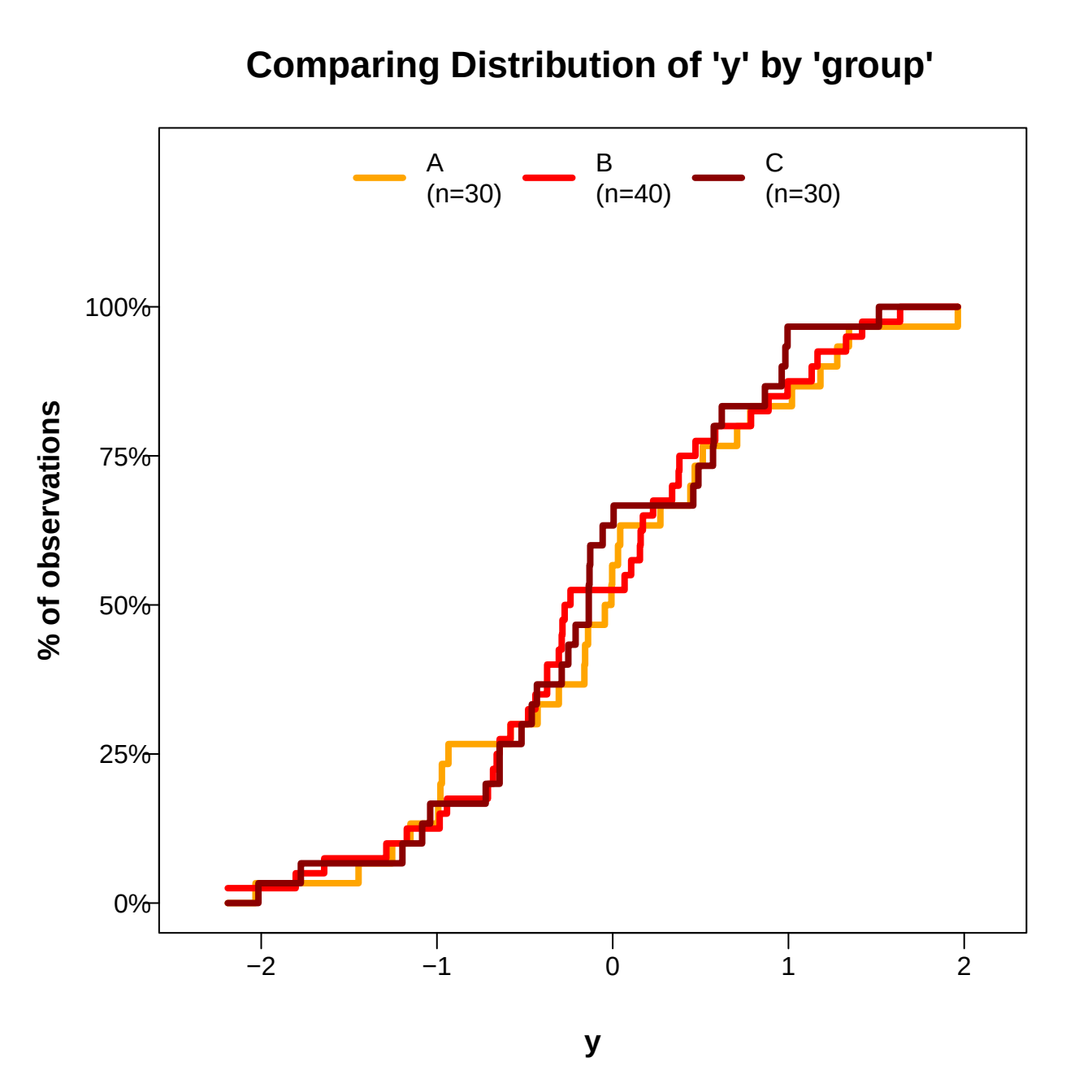

Scatter GAM − x & y
y
4
2
0
−2
−4
−6
Frequency
20
15
10
5
0
−2
−1
0
1
2
3
x

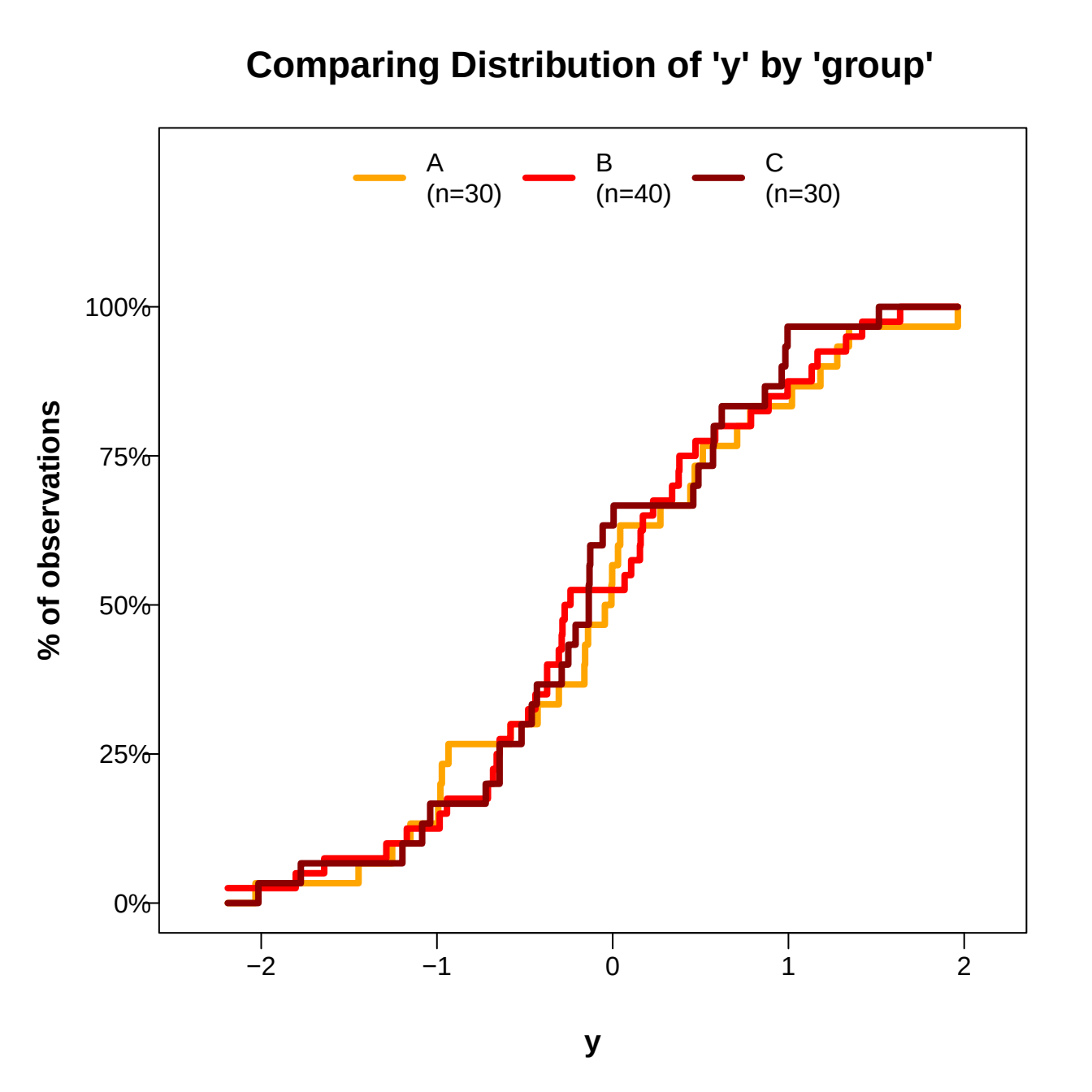

Scatter GAM − x & y
y
4
2
0
−2
−4
−6
Frequency
20
15
10
5
0
−2
−1
0
1
2
3
x

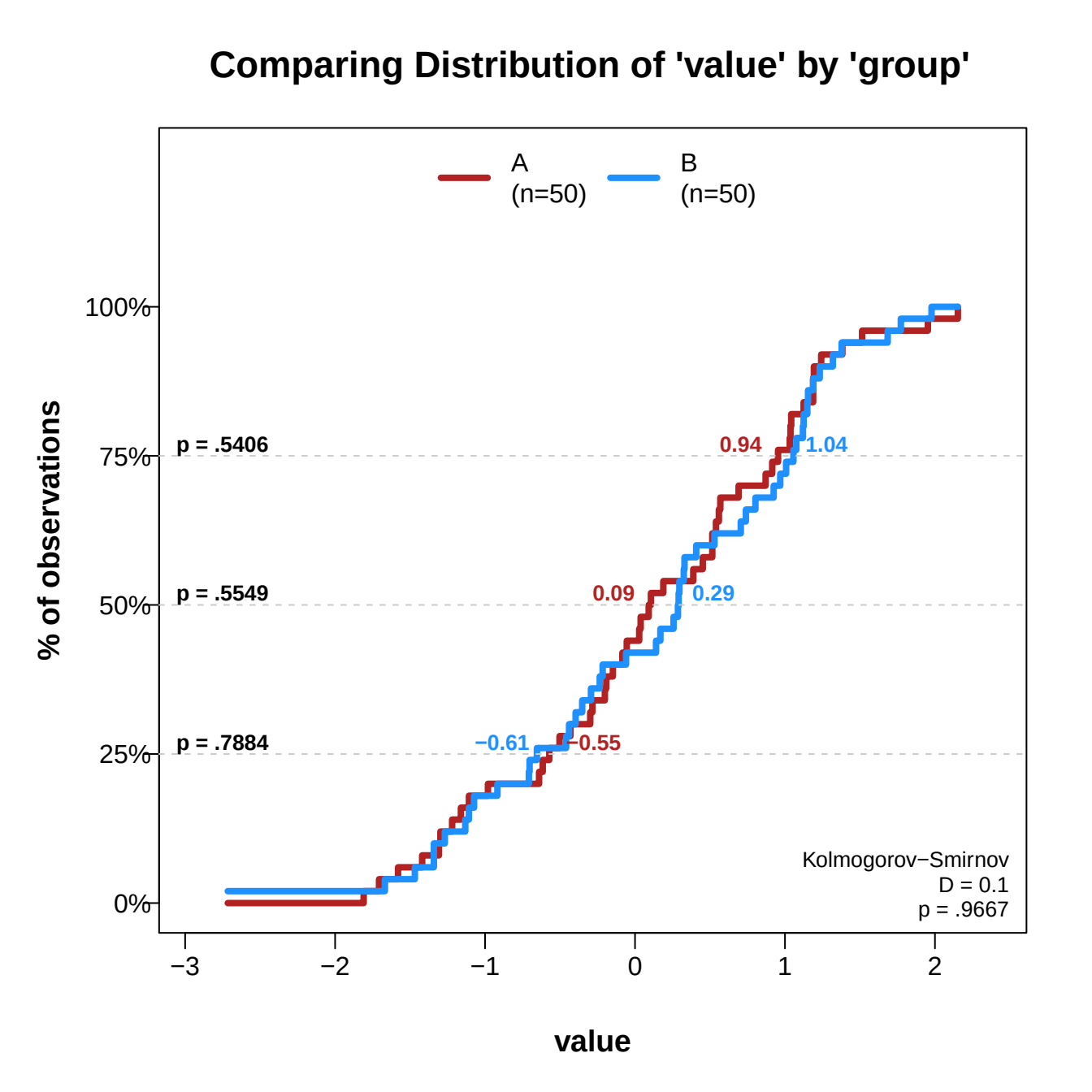

Scatter GAM − x & y
y
4
2
0
−2
−4
Frequency
15
10
5
0
−2
−1
0
1
2
x

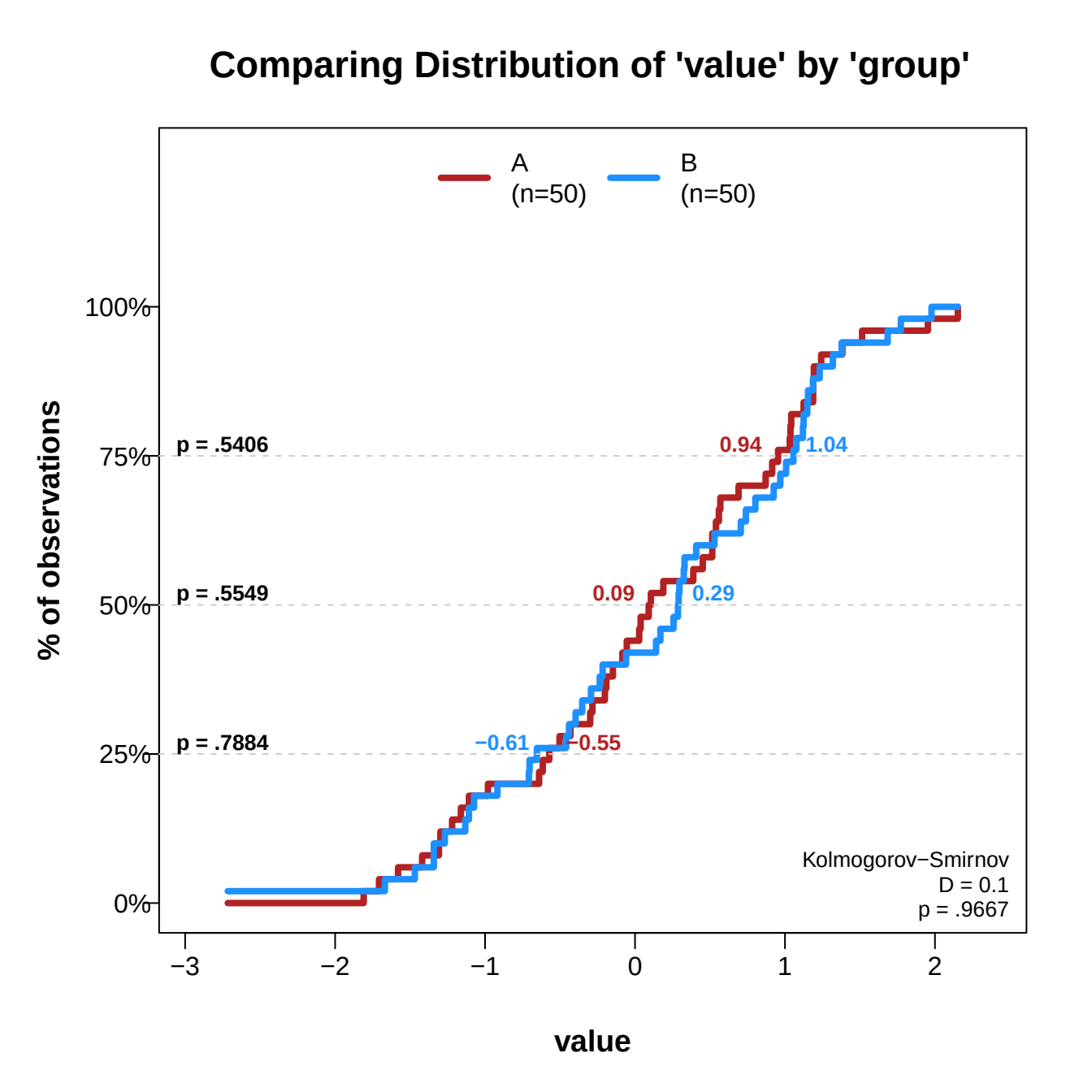

2
0
−2
−4
−6
−8
y
−1
0
1
2
x
0.22
Average slope 1:
b = 1.16, z = 3.45, p = .0006
Average slope 2:
b = −2.68, z = −10.38, p < .0001

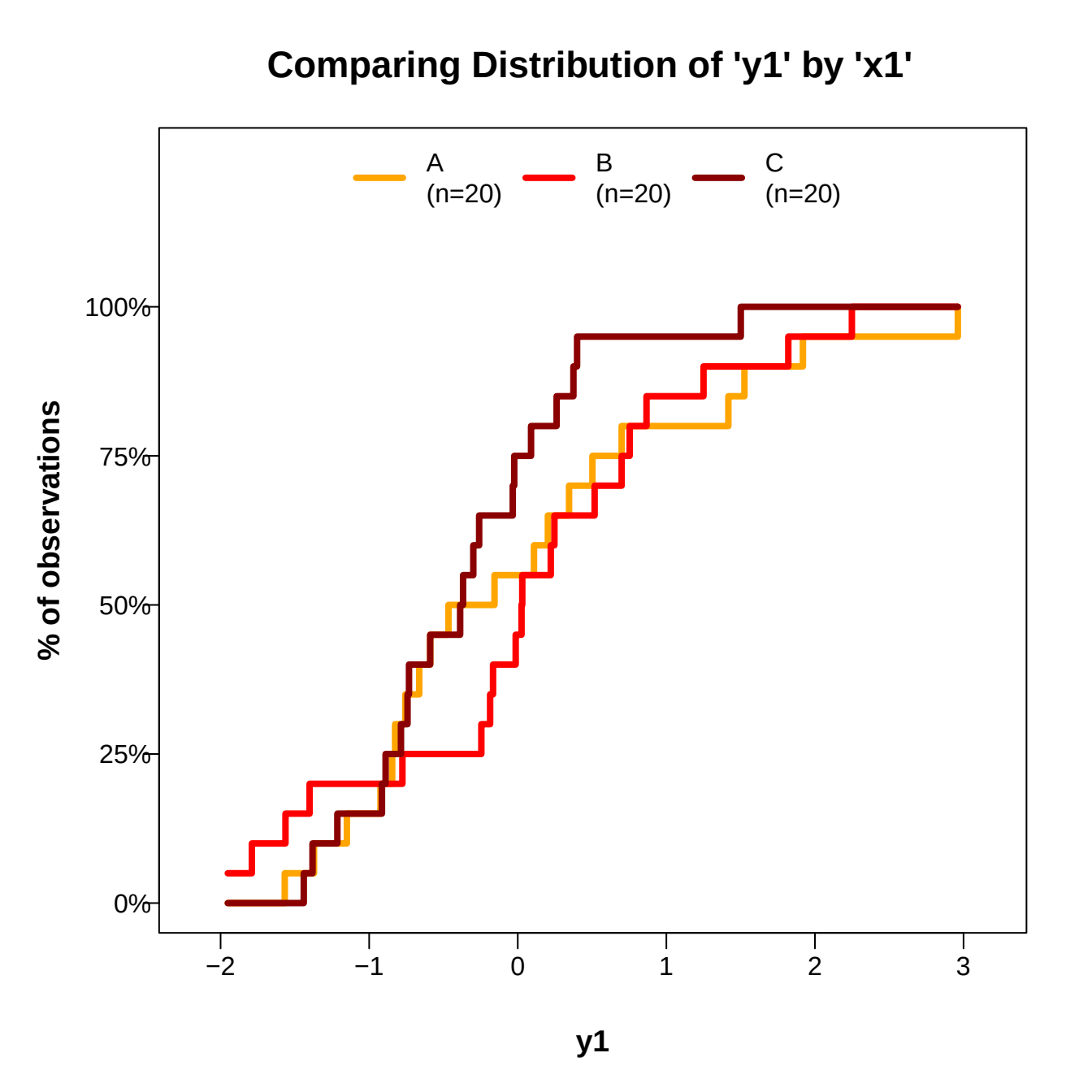

Scatter GAM − x & y
y
6
4
2
0
−2
−4
−6
Frequency
15
10
5
0
−3
−2
−1
0
1
2
3
x

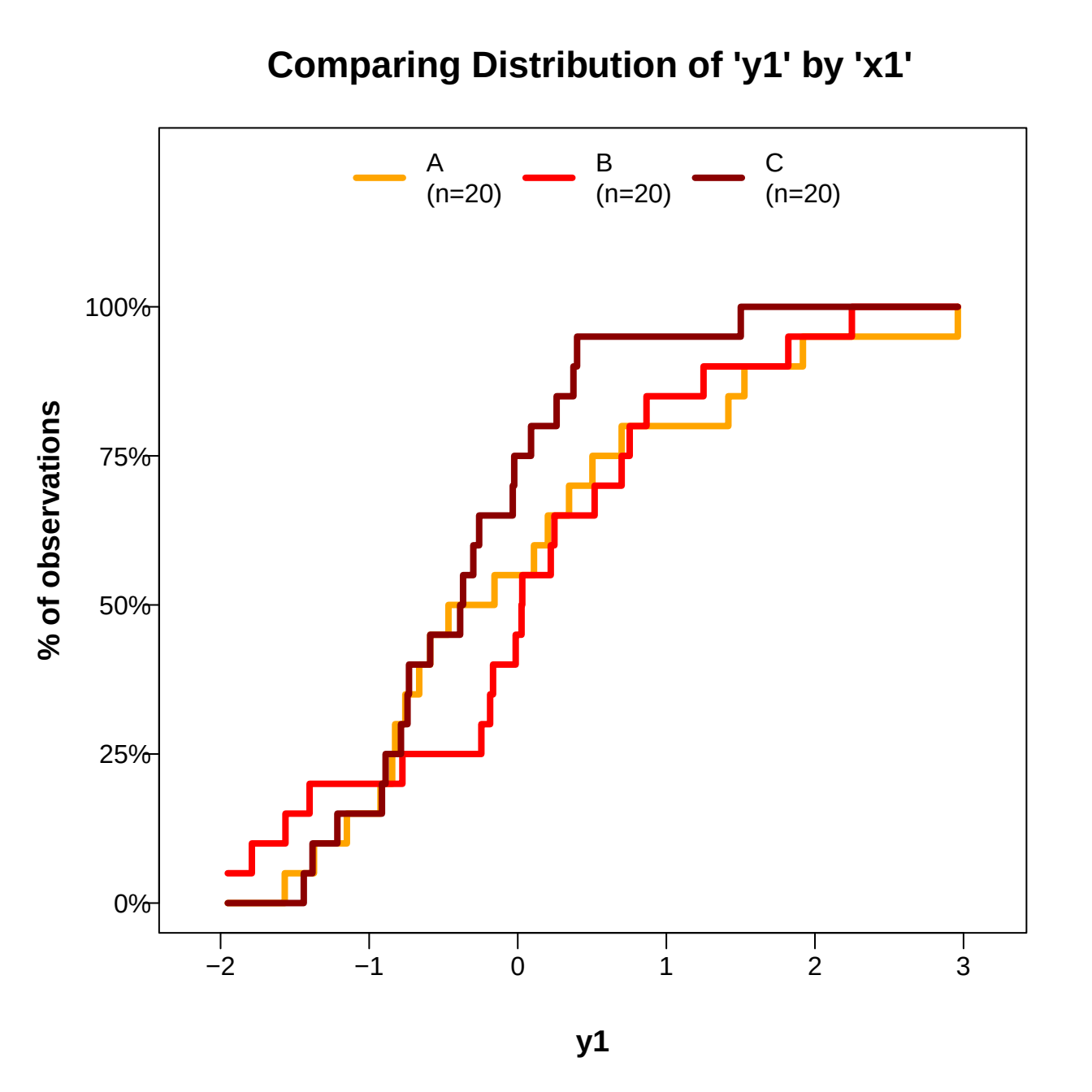

Comparing Distribution of 'y' by 'group'
A
(n=30)
B
(n=40)
C
(n=30)
100%
75%
50%
25%
0%
% of observations
−2
−1
0
1
2
y

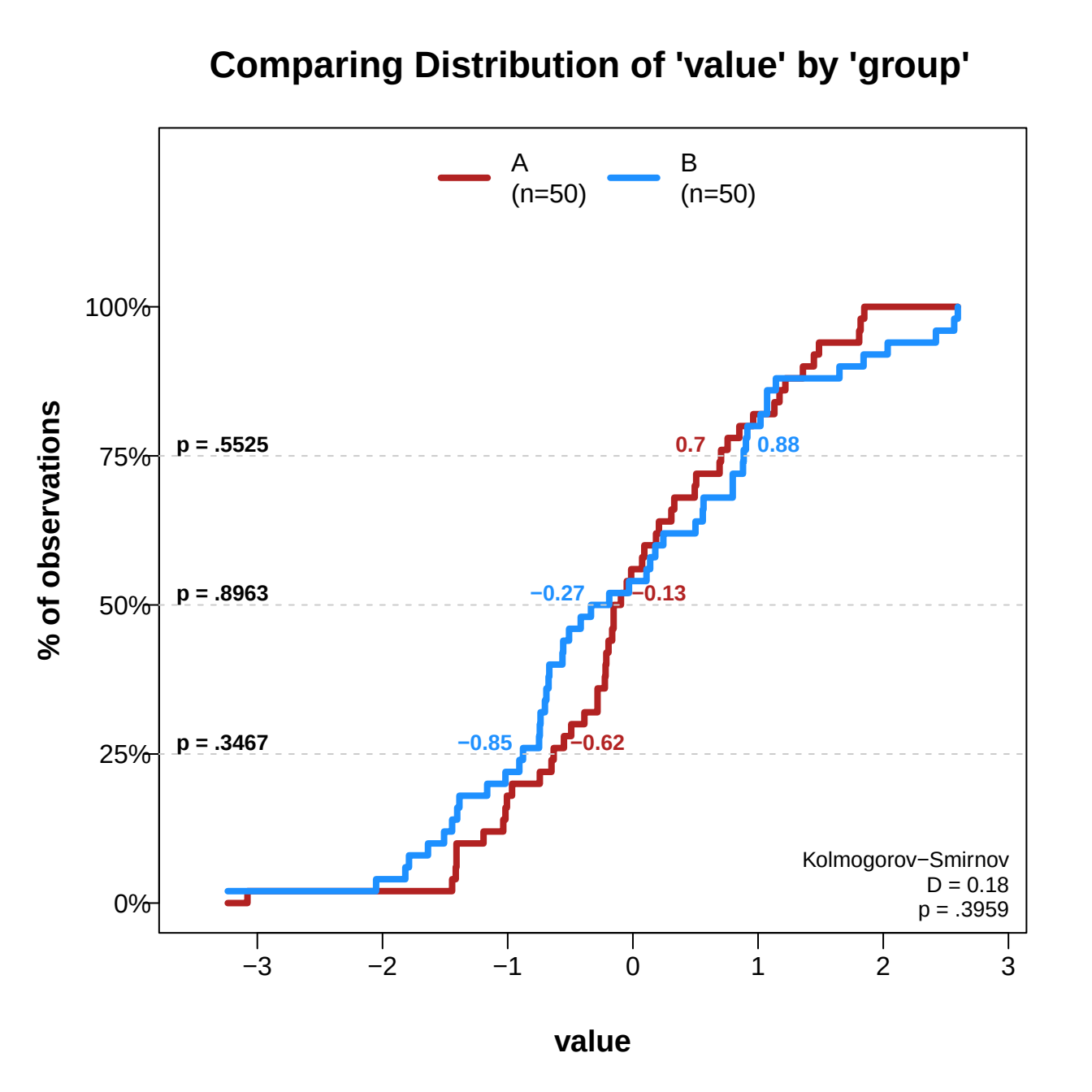

Comparing Distribution of 'y' by 'group'
A
(n=30)
B
(n=40)
C
(n=30)
100%
75%
50%
25%
0%
% of observations
−2
−1
0
1
2
y

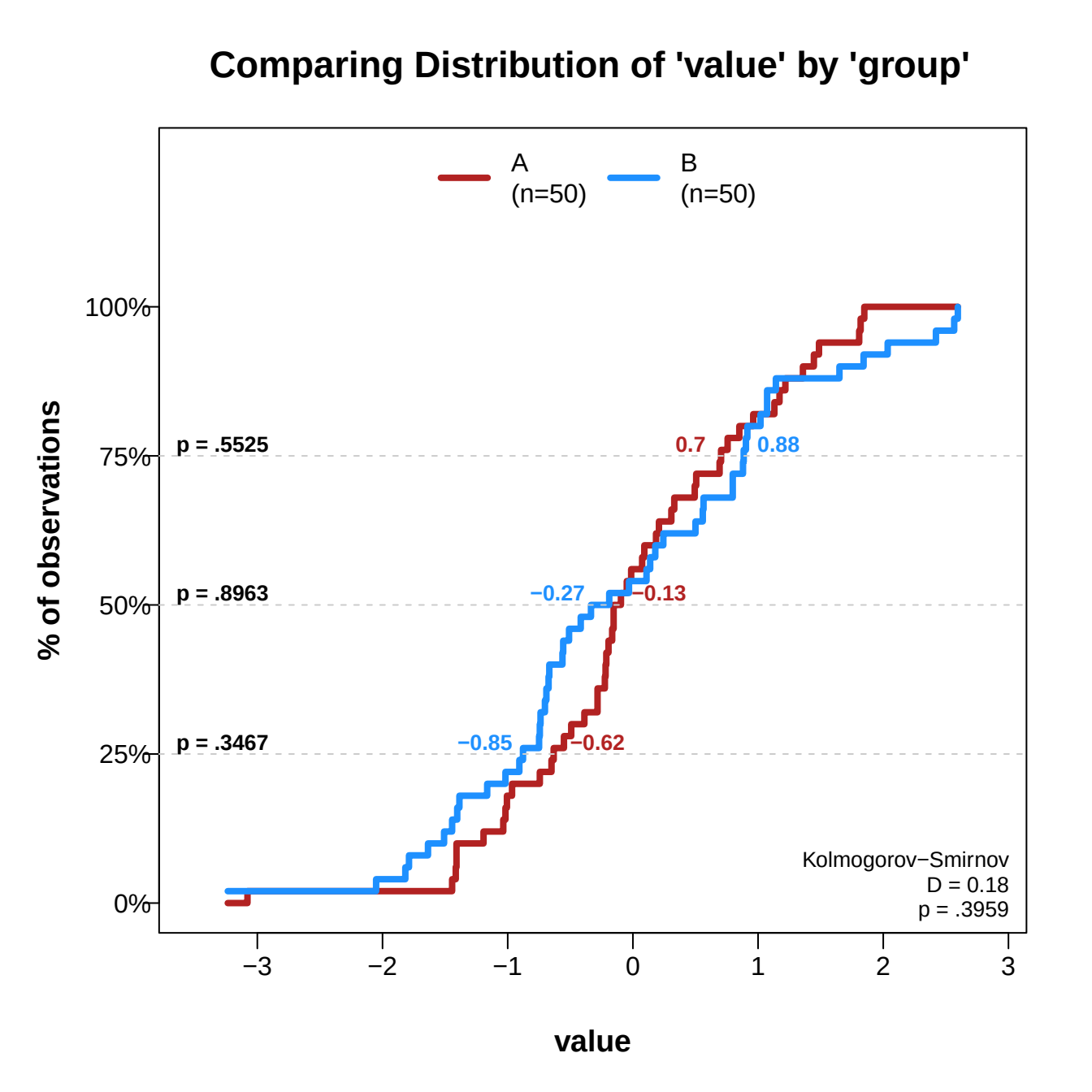

Comparing Distribution of 'value' by 'group'
A
(n=50)
B
(n=50)
100%
75%
50%
25%
0%
% of observations
p = .5406
p = .5549
p = .7884
0.94
1.04
0.09
0.29
−0.61
−0.55
Kolmogorov−Smirnov
D = 0.1
p = .9667
−3
−2
−1
0
1
2
value

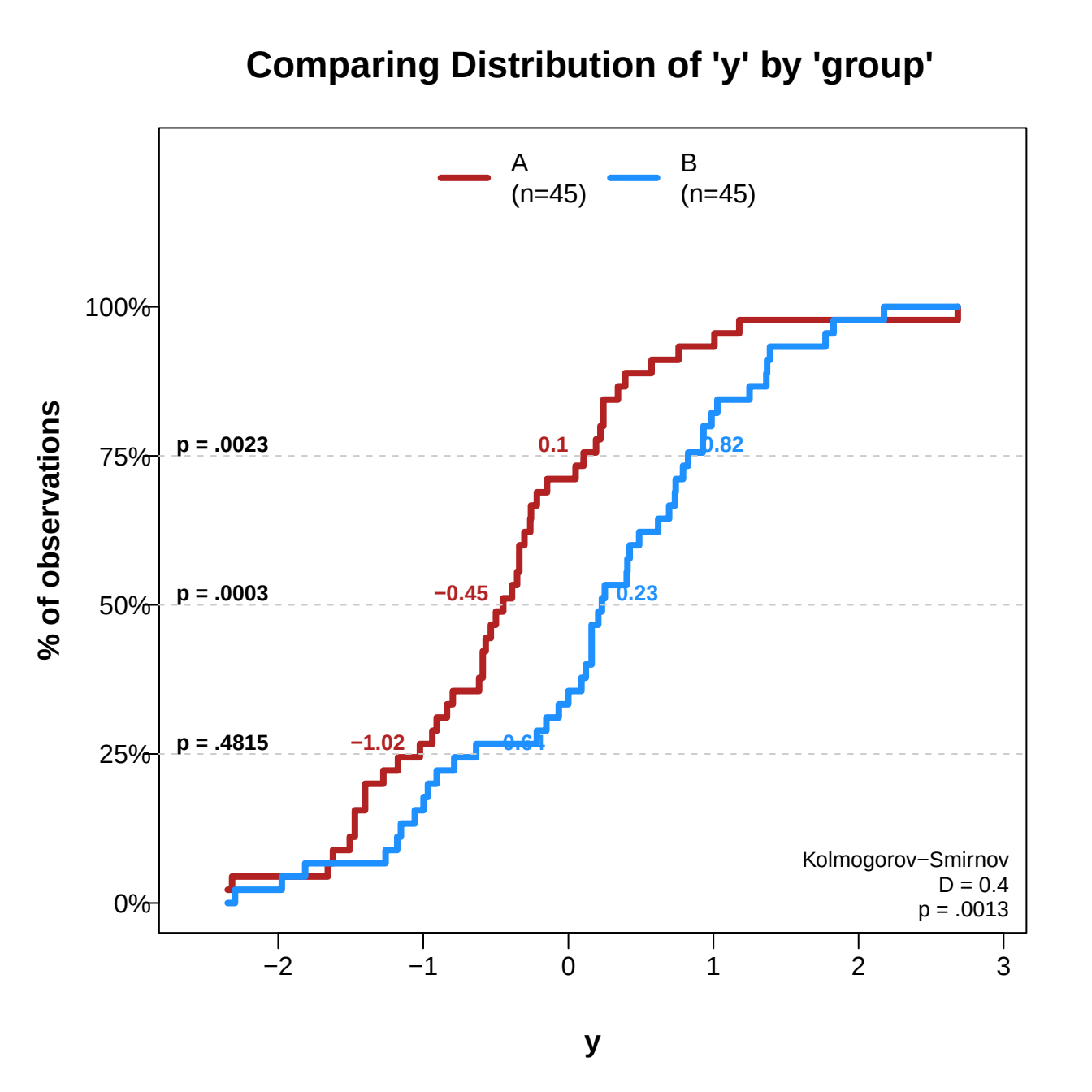

Comparing Distribution of 'value' by 'group'
A
(n=50)
B
(n=50)
100%
75%
50%
25%
0%
% of observations
p = .5406
p = .5549
p = .7884
0.94
1.04
0.09
0.29
−0.61
−0.55
Kolmogorov−Smirnov
D = 0.1
p = .9667
−3
−2
−1
0
1
2
value

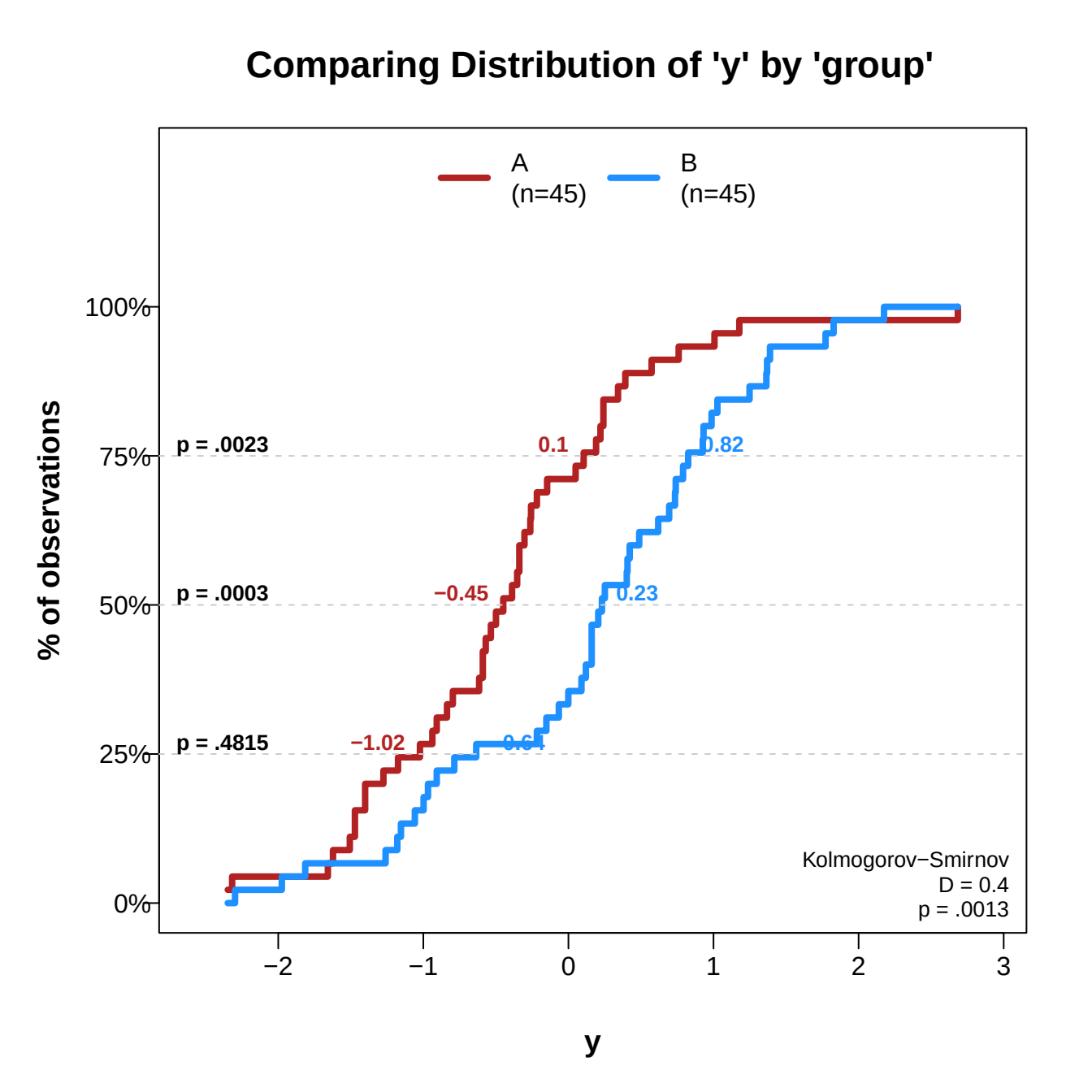

Comparing Distribution of 'y1' by 'x1'
A
(n=20)
B
(n=20)
C
(n=20)
100%
75%
50%
25%
0%
% of observations
−2
−1
0
1
2
3
y1

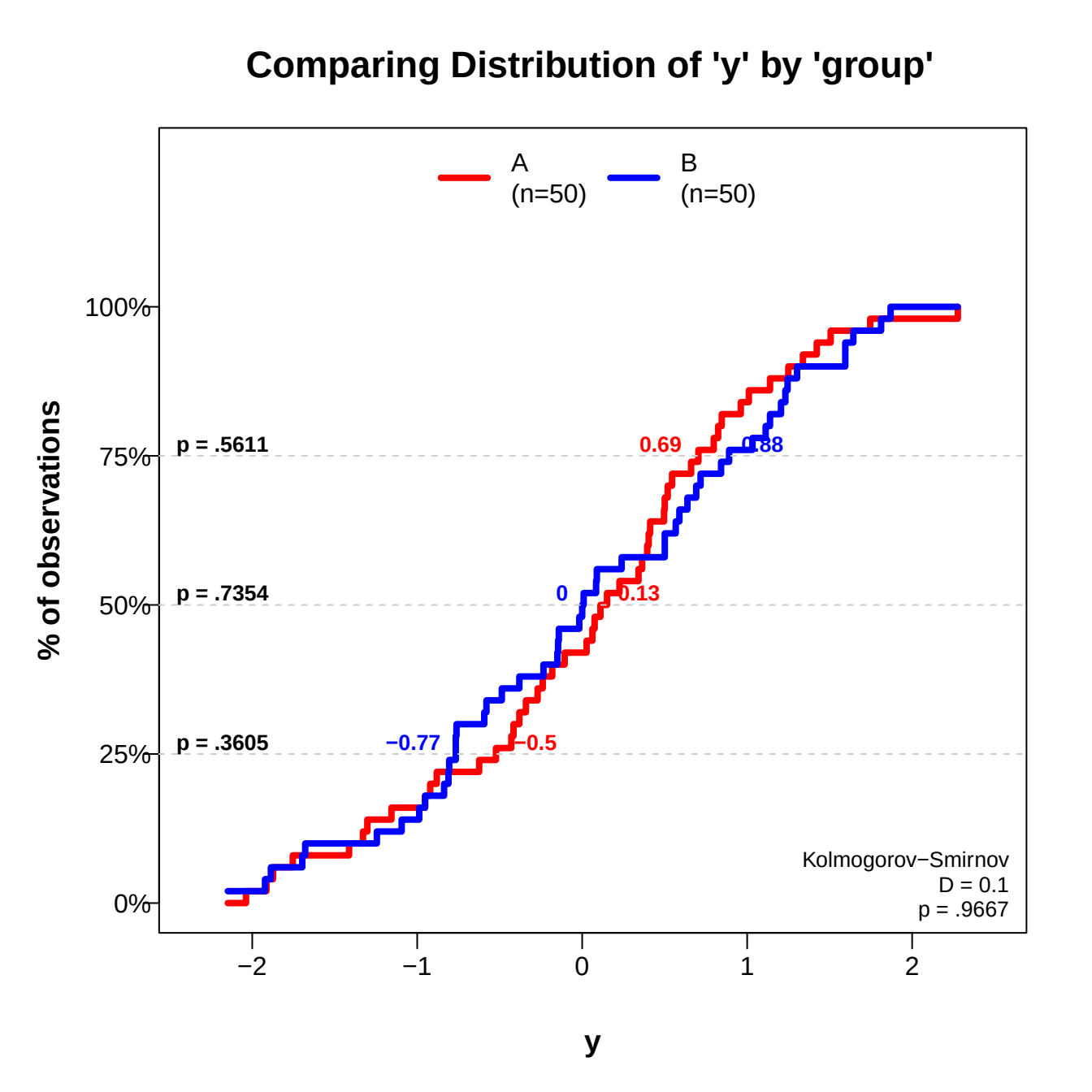

Comparing Distribution of 'y1' by 'x1'
A
(n=20)
B
(n=20)
C
(n=20)
100%
75%
50%
25%
0%
% of observations
−2
−1
0
1
2
3
y1

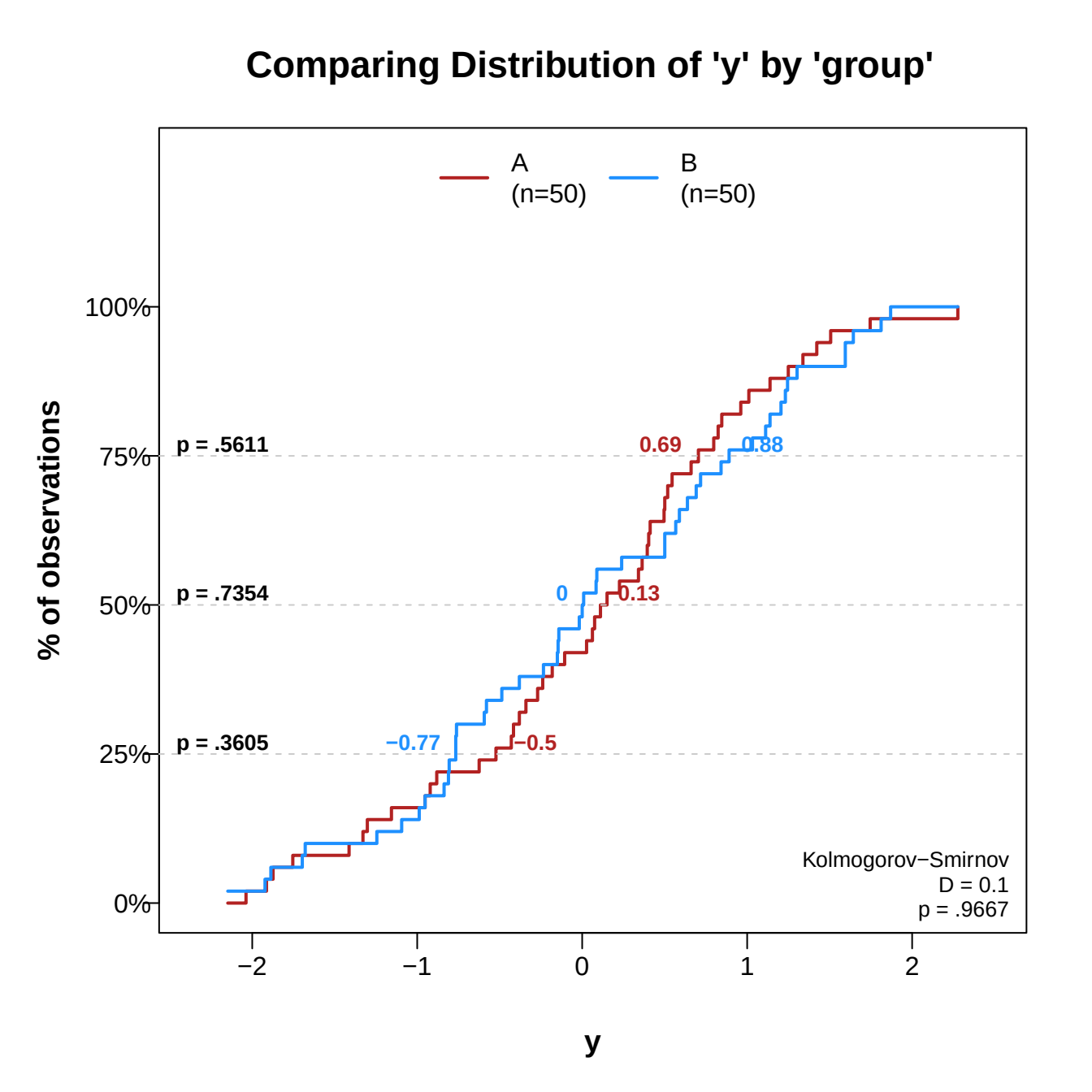

Comparing Distribution of 'value' by 'group'
A
(n=50)
B
(n=50)
100%
75%
50%
25%
0%
% of observations
p = .5525
p = .8963
p = .3467
0.7
0.88
−0.27
−0.13
−0.85
−0.62
Kolmogorov−Smirnov
D = 0.18
p = .3959
−3
−2
−1
0
1
2
3
value

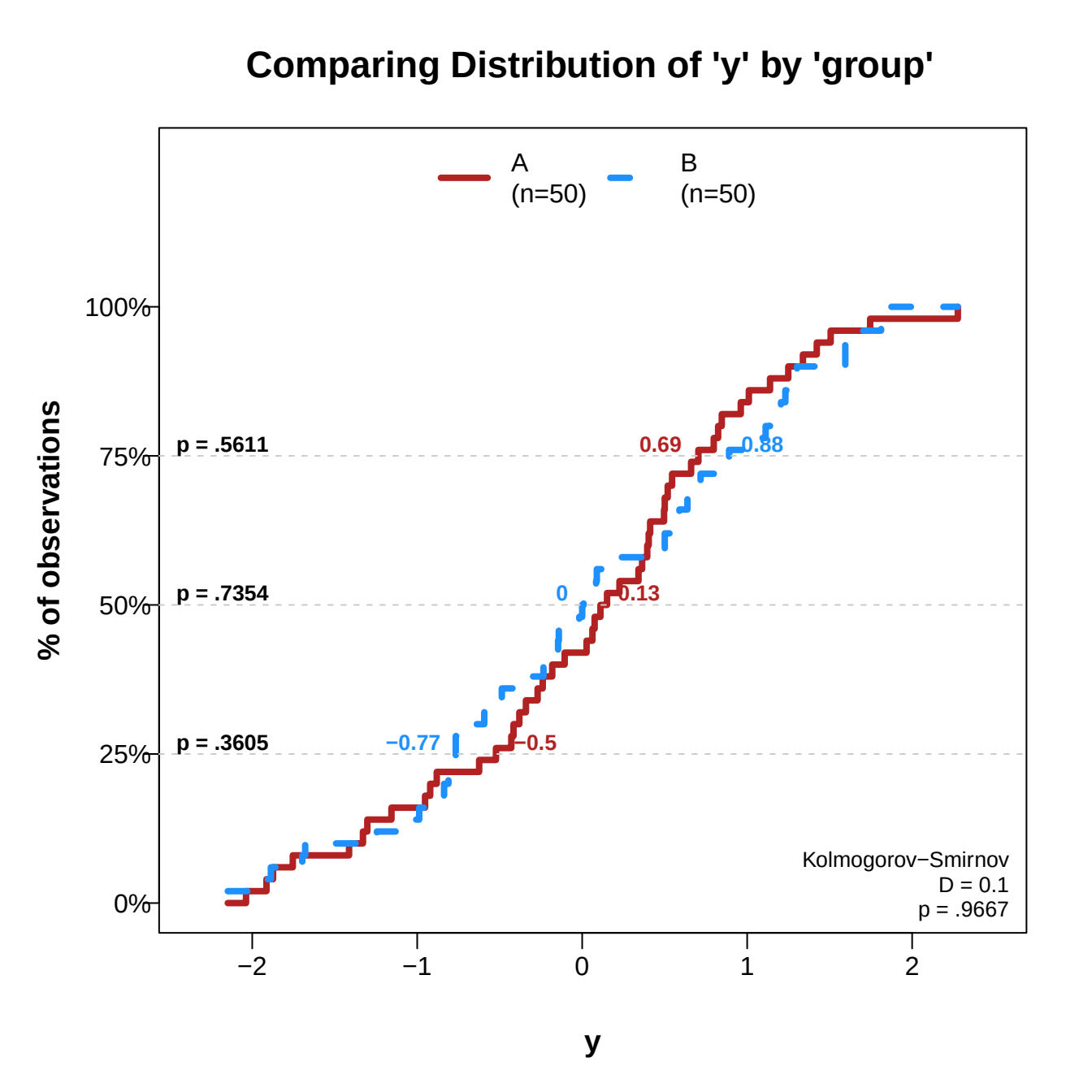

Comparing Distribution of 'value' by 'group'
A
(n=50)
B
(n=50)
100%
75%
50%
25%
0%
% of observations
p = .5525
p = .8963
p = .3467
0.7
0.88
−0.27
−0.13
−0.85
−0.62
Kolmogorov−Smirnov
D = 0.18
p = .3959
−3
−2
−1
0
1
2
3
value

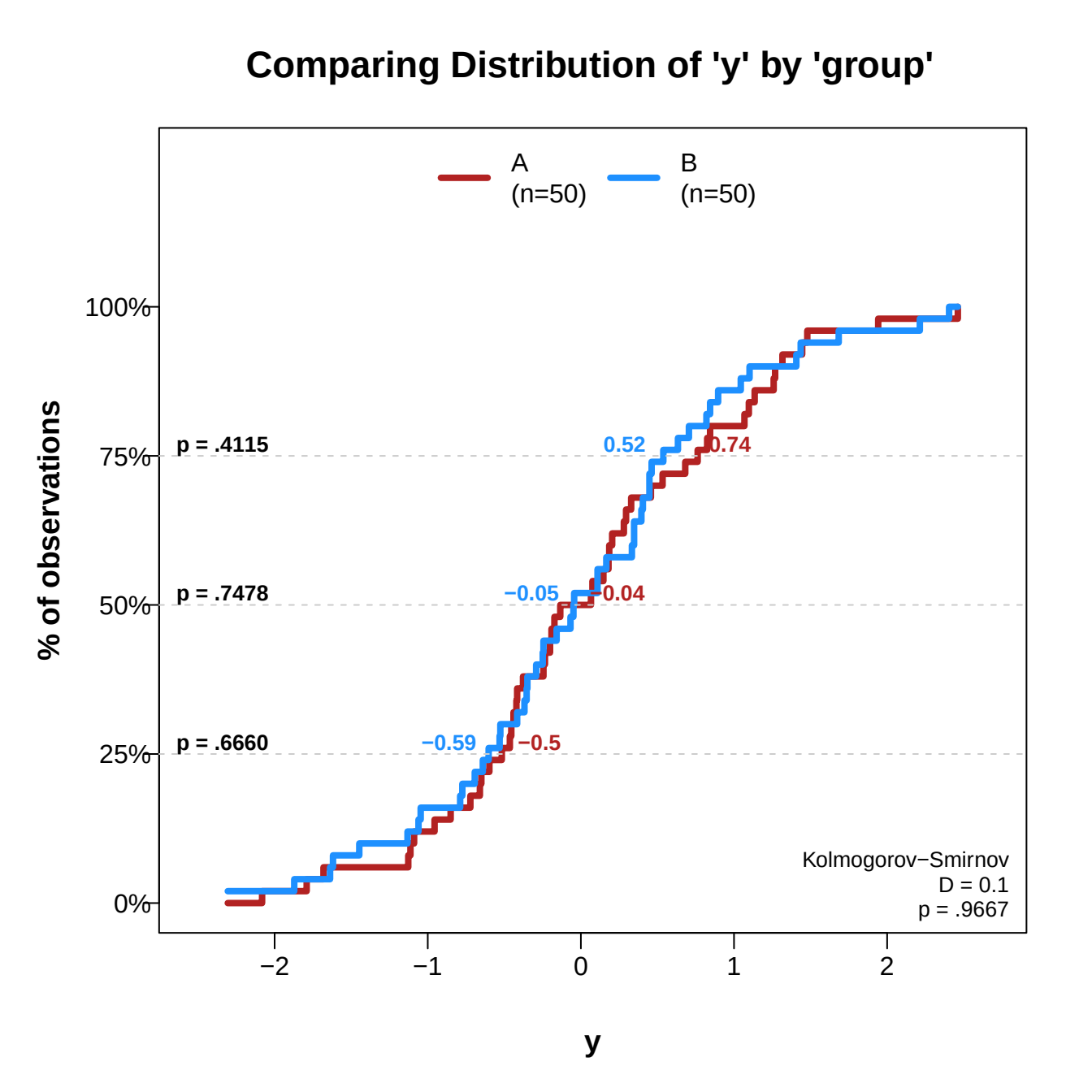

Comparing Distribution of 'y' by 'group'
A
(n=45)
B
(n=45)
100%
75%
50%
25%
0%
% of observations
p = .0023
p = .0003
p = .4815
0.1
0.82
−0.45
0.23
−1.02
0.61
Kolmogorov−Smirnov
D = 0.4
p = .0013
−2
−1
0
1
2
3
y

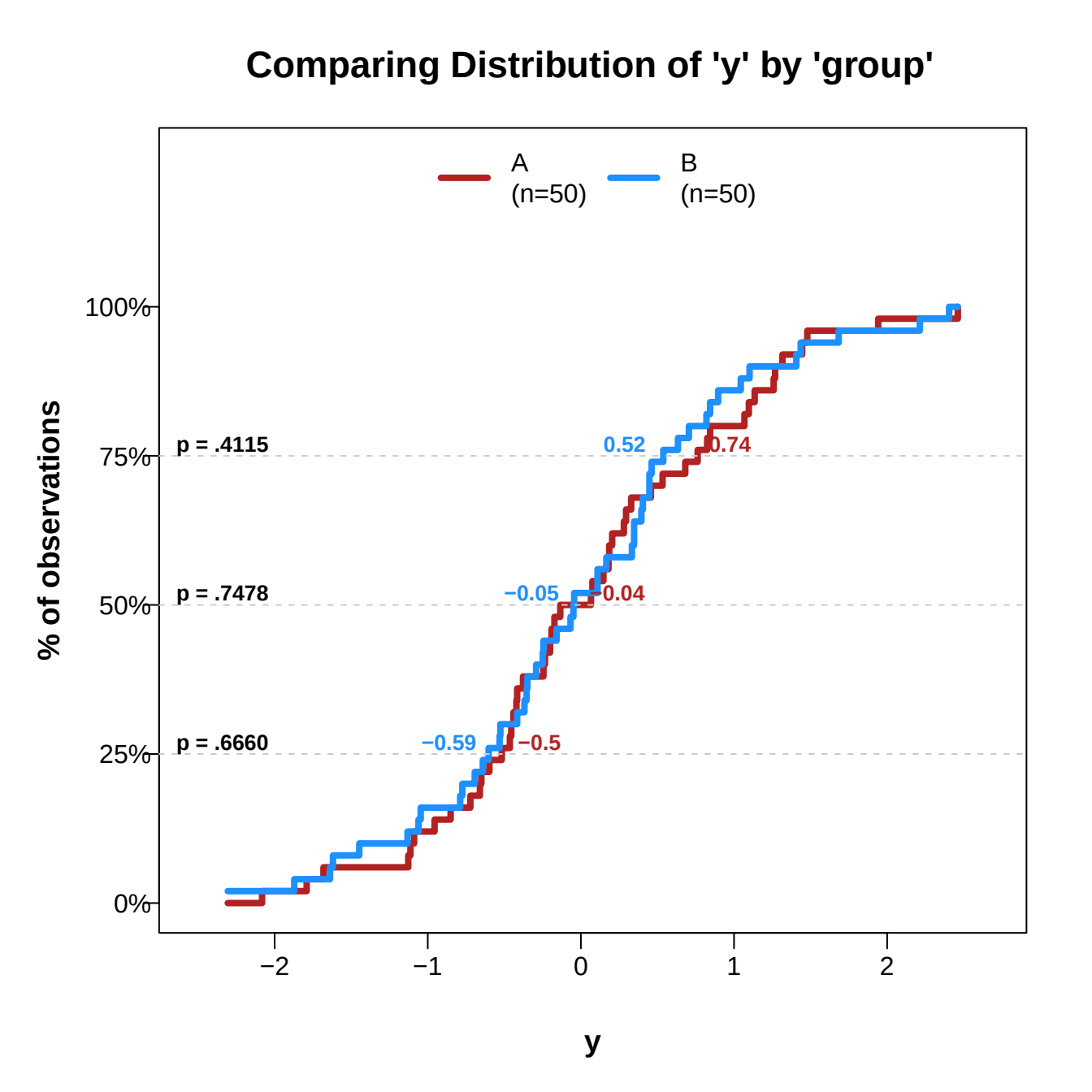

Comparing Distribution of 'y' by 'group'
A
(n=45)
B
(n=45)
100%
75%
50%
25%
0%
% of observations
p = .0023
p = .0003
p = .4815
0.1
0.82
−0.45
0.23
−1.02
0.61
Kolmogorov−Smirnov
D = 0.4
p = .0013
−2
−1
0
1
2
3
y

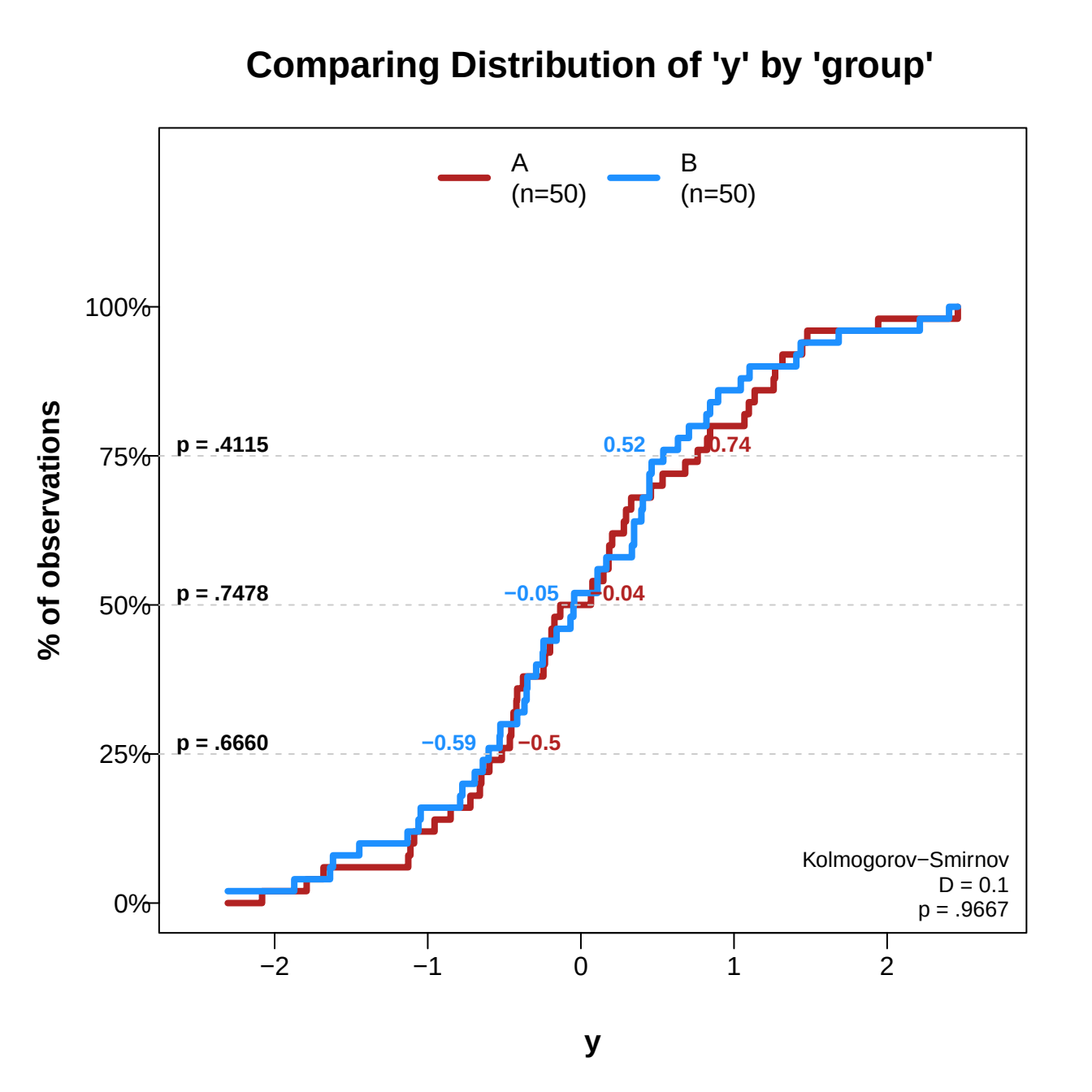

Comparing Distribution of 'y' by 'group'
A
(n=50)
B
(n=50)
100%
75%
50%
25%
0%
% of observations
p = .5611
p = .7354
p = .3605
0.69
0.88
0
0.13
−0.77
−0.5
Kolmogorov−Smirnov
D = 0.1
p = .9667
−2
−1
0
1
2
y

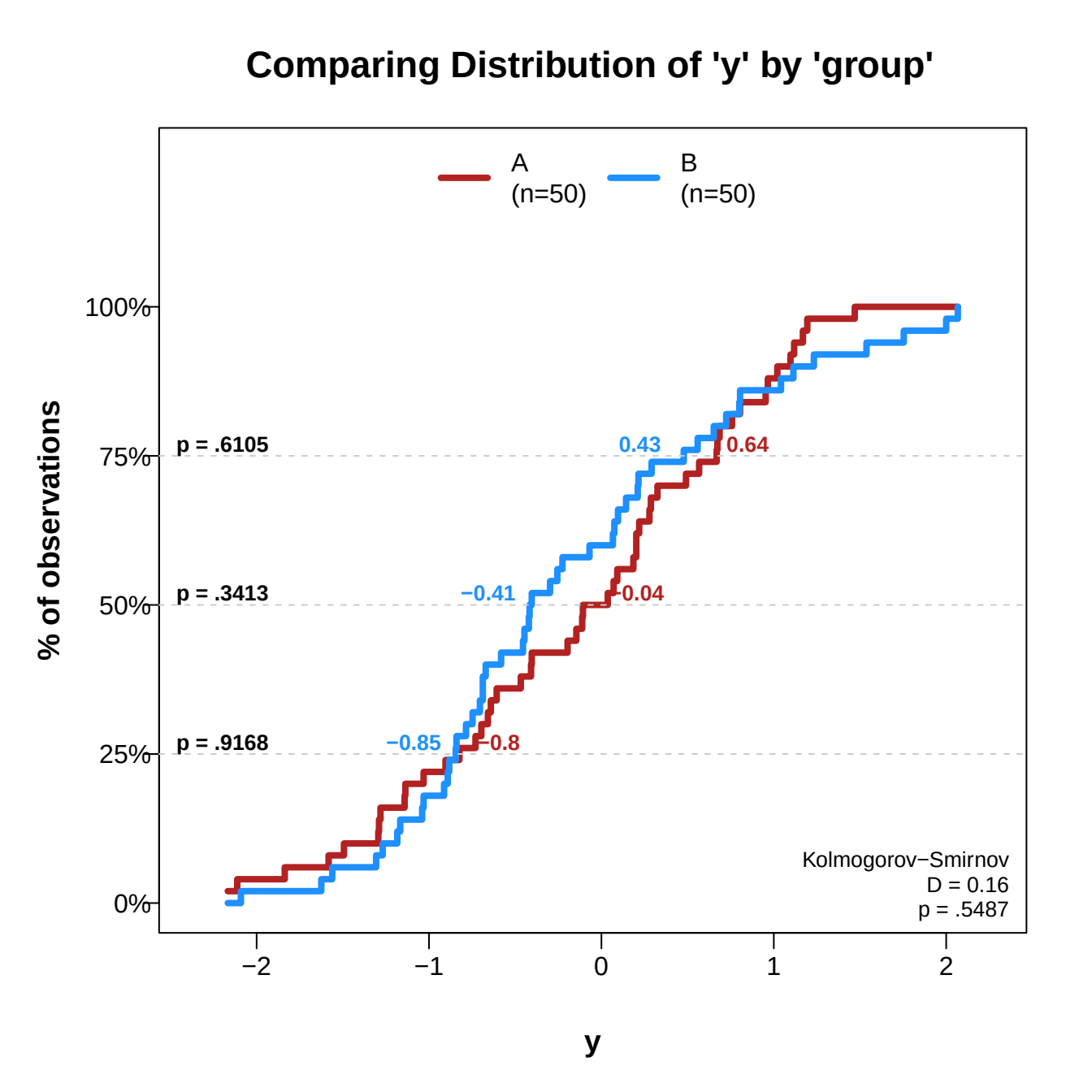

Comparing Distribution of 'y' by 'group'
A
(n=50)
B
(n=50)
100%
75%
50%
25%
0%
% of observations
p = .5611
p = .7354
p = .3605
0.69
0.88
0
0.13
−0.77
−0.5
Kolmogorov−Smirnov
D = 0.1
p = .9667
−2
−1
0
1
2
y

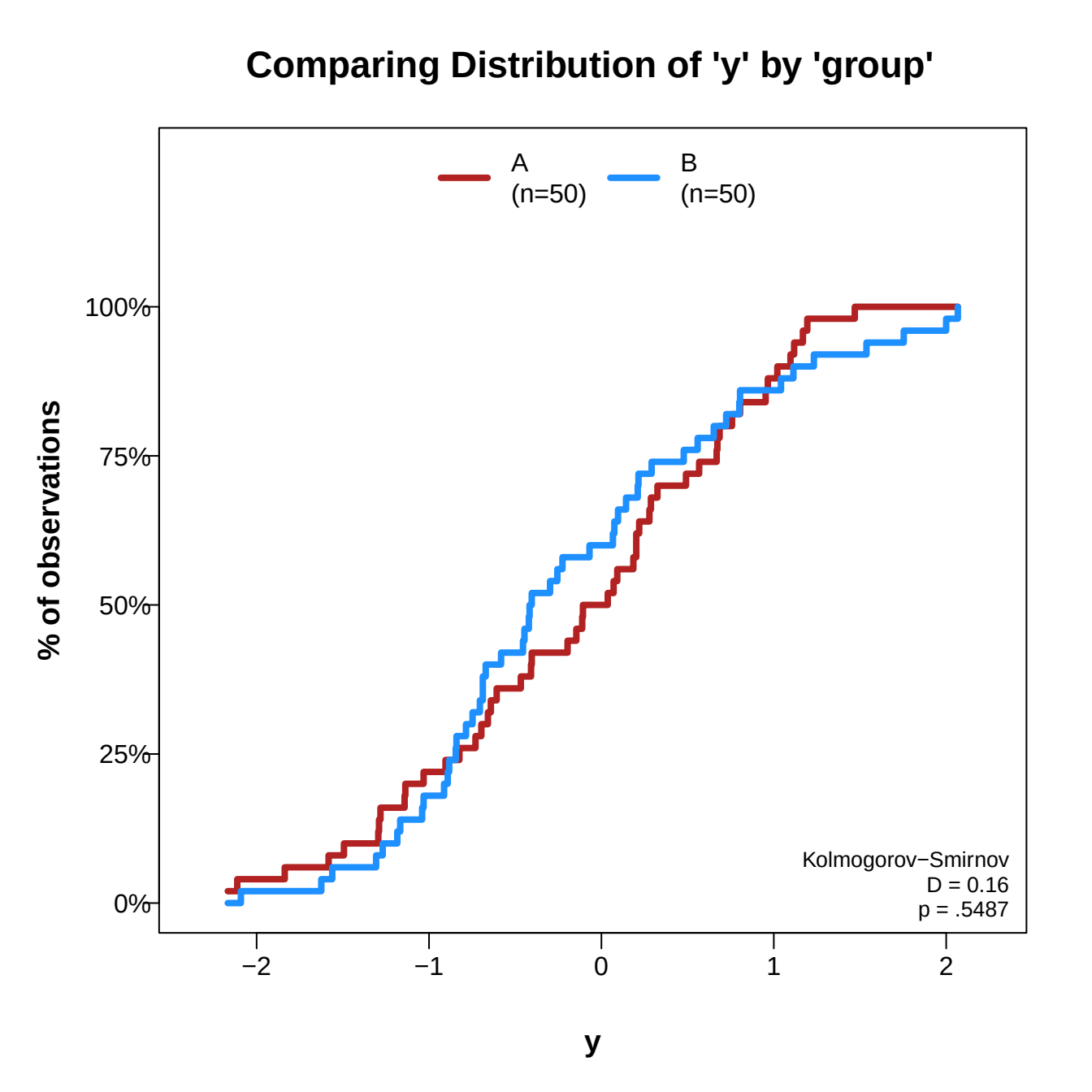

Comparing Distribution of 'y' by 'group'
A
(n=50)
B
(n=50)
100%
75%
50%
25%
0%
% of observations
p = .5611
p = .7354
p = .3605
0.69
0.88
0
0.13
−0.77
−0.5
Kolmogorov−Smirnov
D = 0.1
p = .9667
−2
−1
0
1
2
y

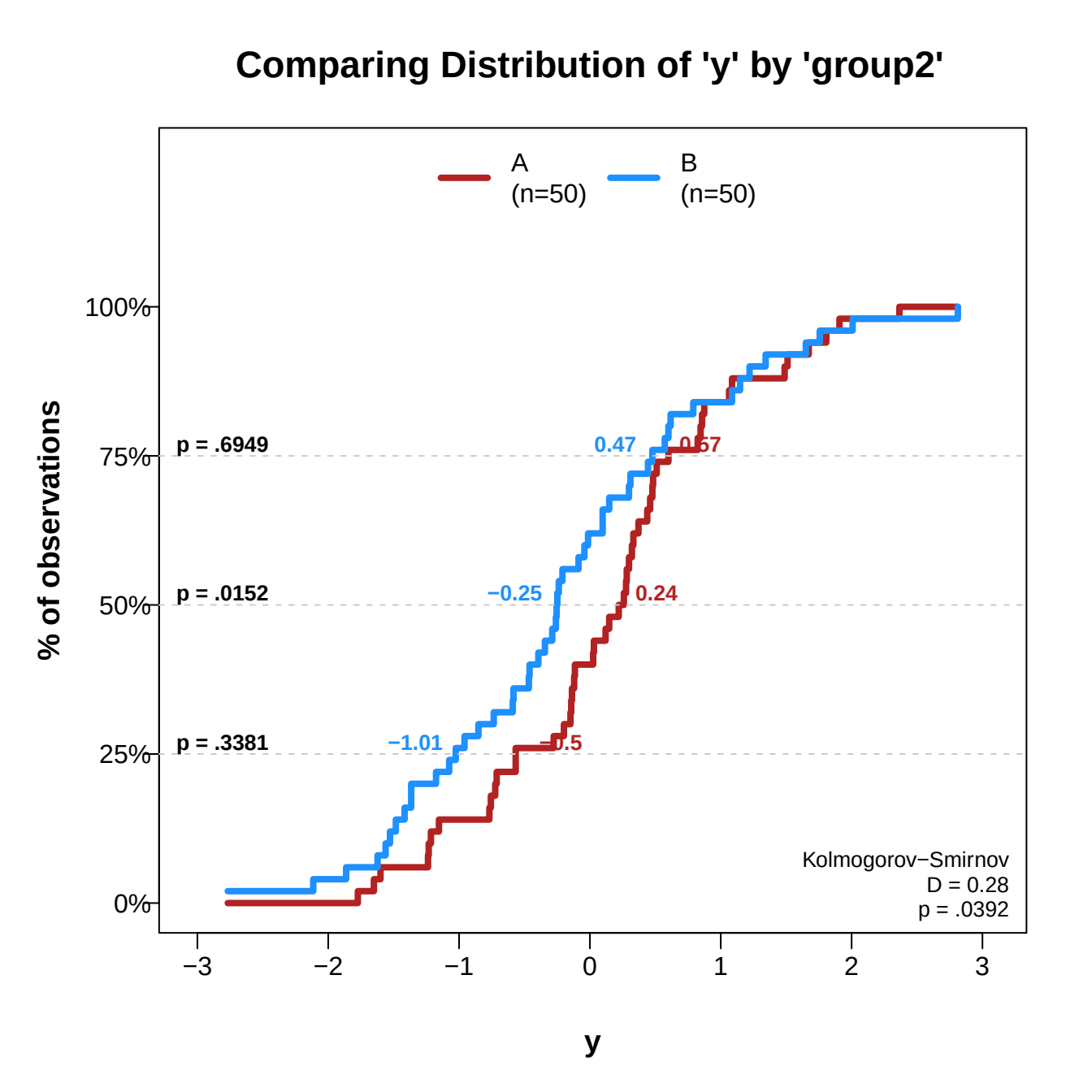

Comparing Distribution of 'y' by 'group'
A
(n=50)
B
(n=50)
100%
75%
50%
25%
0%
% of observations
p = .4115
p = .7478
p = .6660
0.52
0.74
−0.05
−0.04
−0.59
−0.5
Kolmogorov−Smirnov
D = 0.1
p = .9667
−2
−1
0
1
2
y

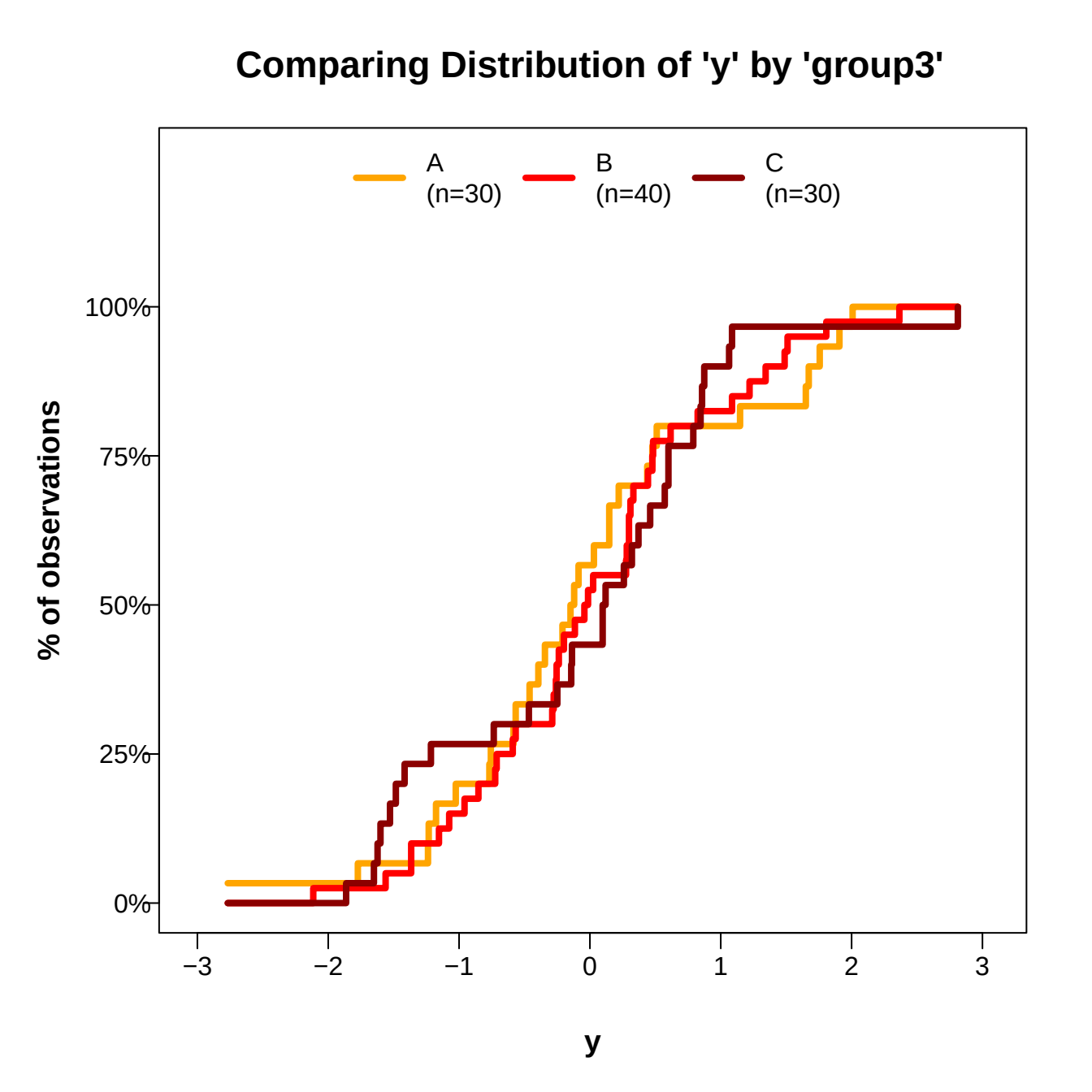

Comparing Distribution of 'y' by 'group'
A
(n=50)
B
(n=50)
100%
75%
50%
25%
0%
% of observations
p = .4115
p = .7478
p = .6660
0.52
0.74
−0.05
−0.04
−0.59
−0.5
−2
−1
0
1
2
y

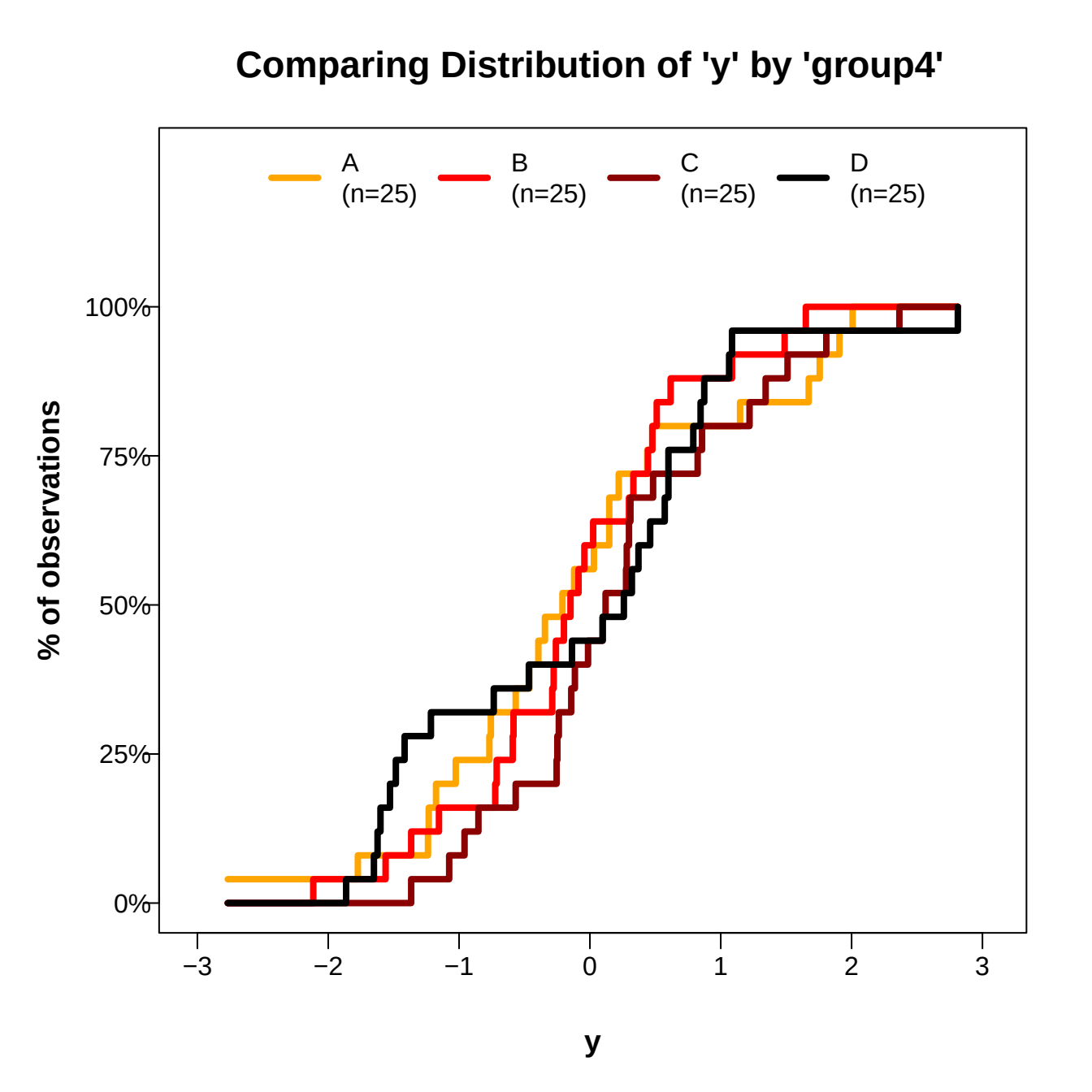

Comparing Distribution of 'y' by 'group'
A
(n=50)
B
(n=50)
100%
75%
50%
25%
0%
% of observations
p = .4115
p = .7478
p = .6660
0.52
0.74
−0.05
−0.04
−0.59
−0.5
Kolmogorov−Smirnov
D = 0.1
p = .9667
−2
−1
0
1
2
y

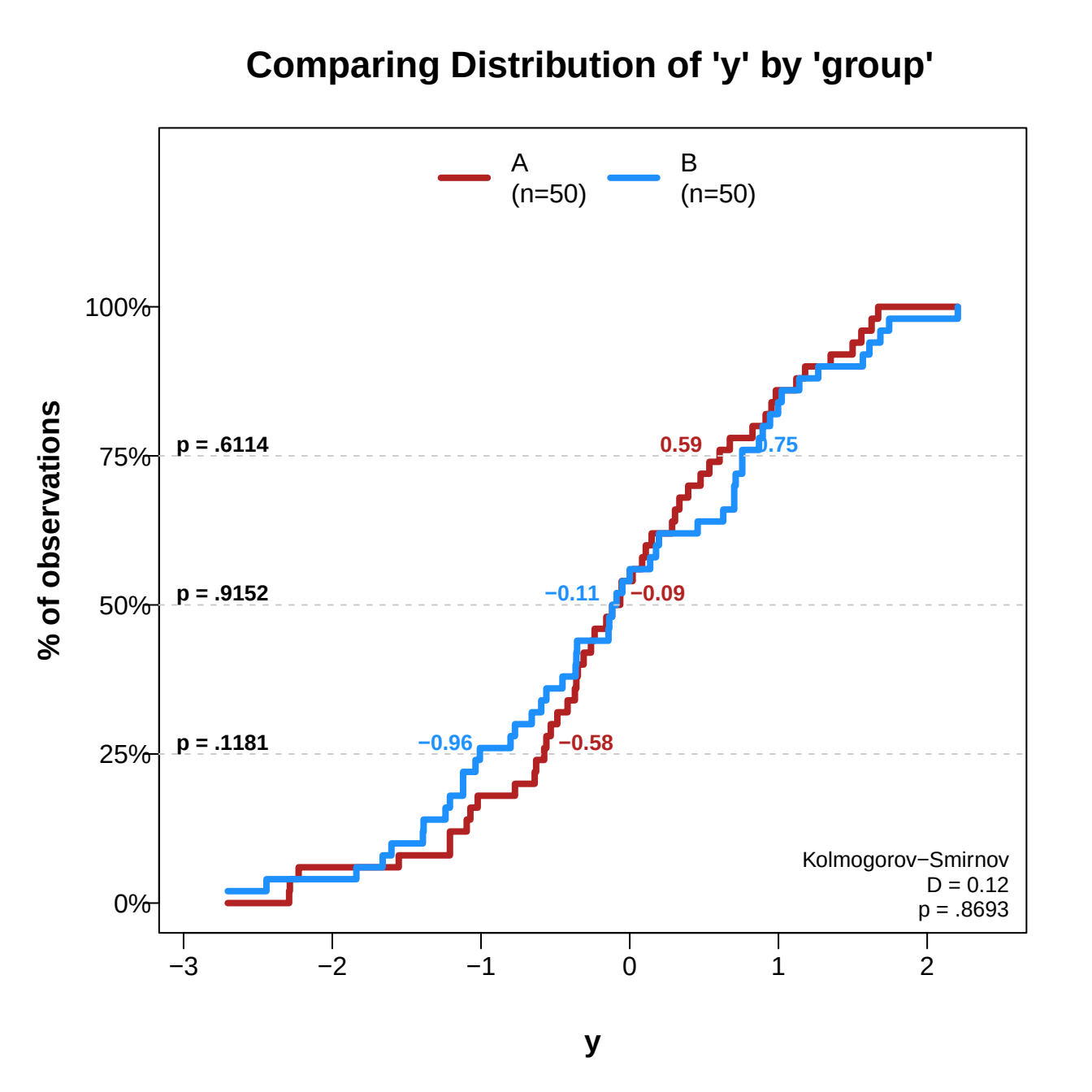

Comparing Distribution of 'y' by 'group'
A
(n=50)
B
(n=50)
100%
75%
50%
25%
0%
% of observations
p = .6105
p = .3413
p = .9168
0.43
0.64
−0.41
0.04
−0.85
−0.8
Kolmogorov−Smirnov
D = 0.16
p = .5487
−2
−1
0
1
2
y

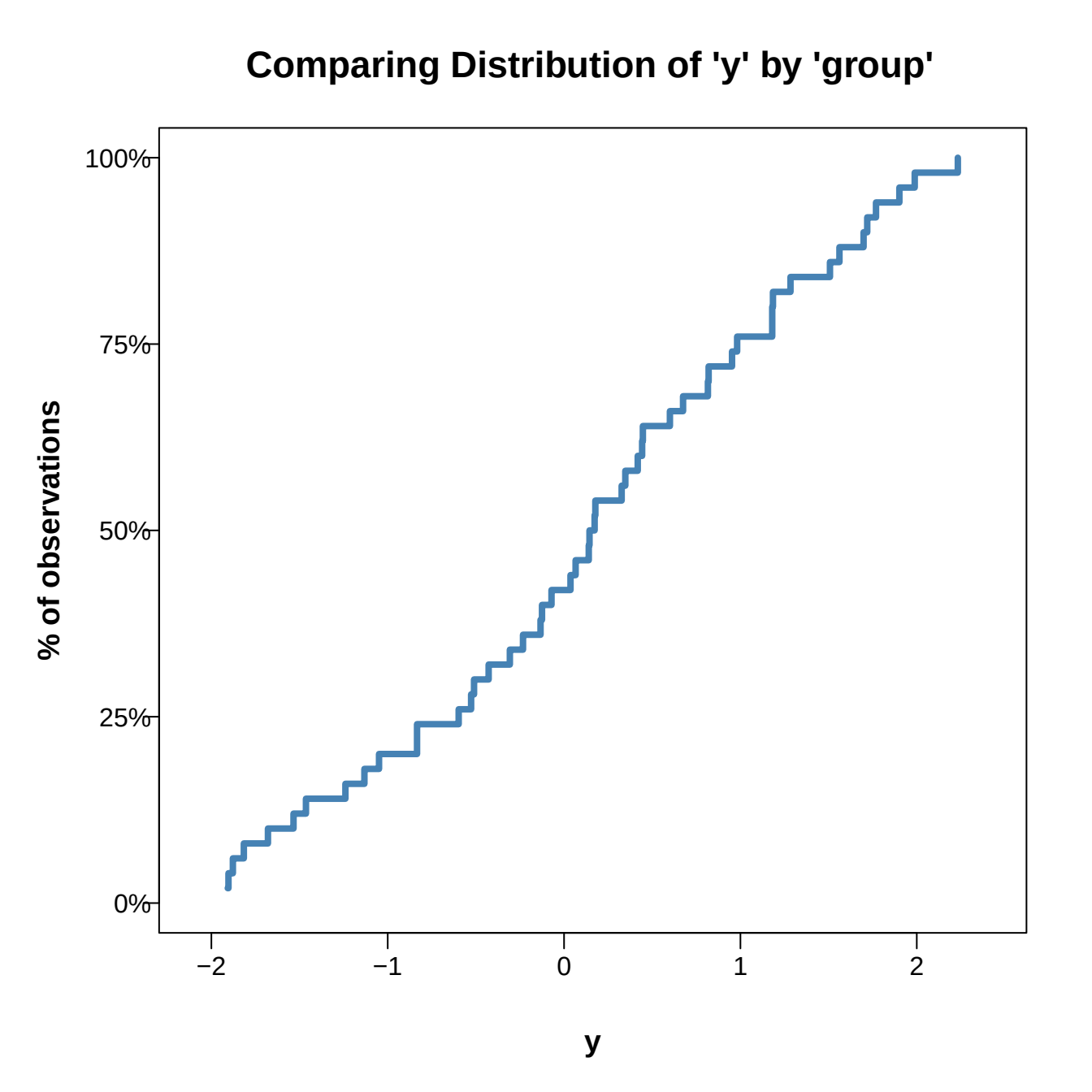

Comparing Distribution of 'y' by 'group'
A
(n=50)
B
(n=50)
100%
75%
50%
25%
0%
% of observations
−2
−1
0
1
2
y
Kolmogorov−Smirnov
D = 0.16
p = .5487

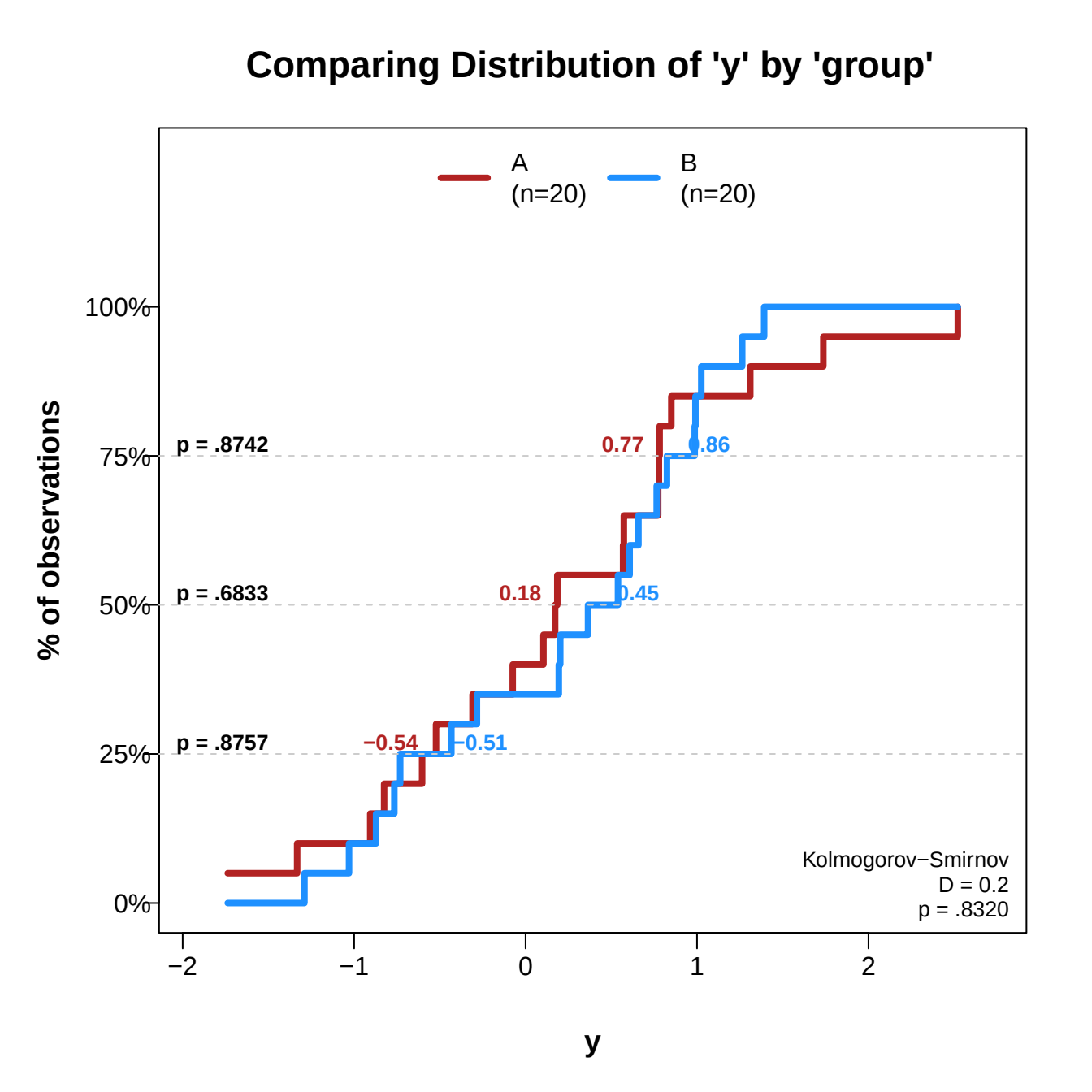

Comparing Distribution of 'y' by 'group2'
A
(n=50)
B
(n=50)
100%
75%
50%
25%
0%
% of observations
p = .6949
p = .0152
p = .3381
0.47
0.67
−0.25
0.24
−1.01
−0.5
Kolmogorov−Smirnov
D = 0.28
p = .0392
−3
−2
−1
0
1
2
3
y

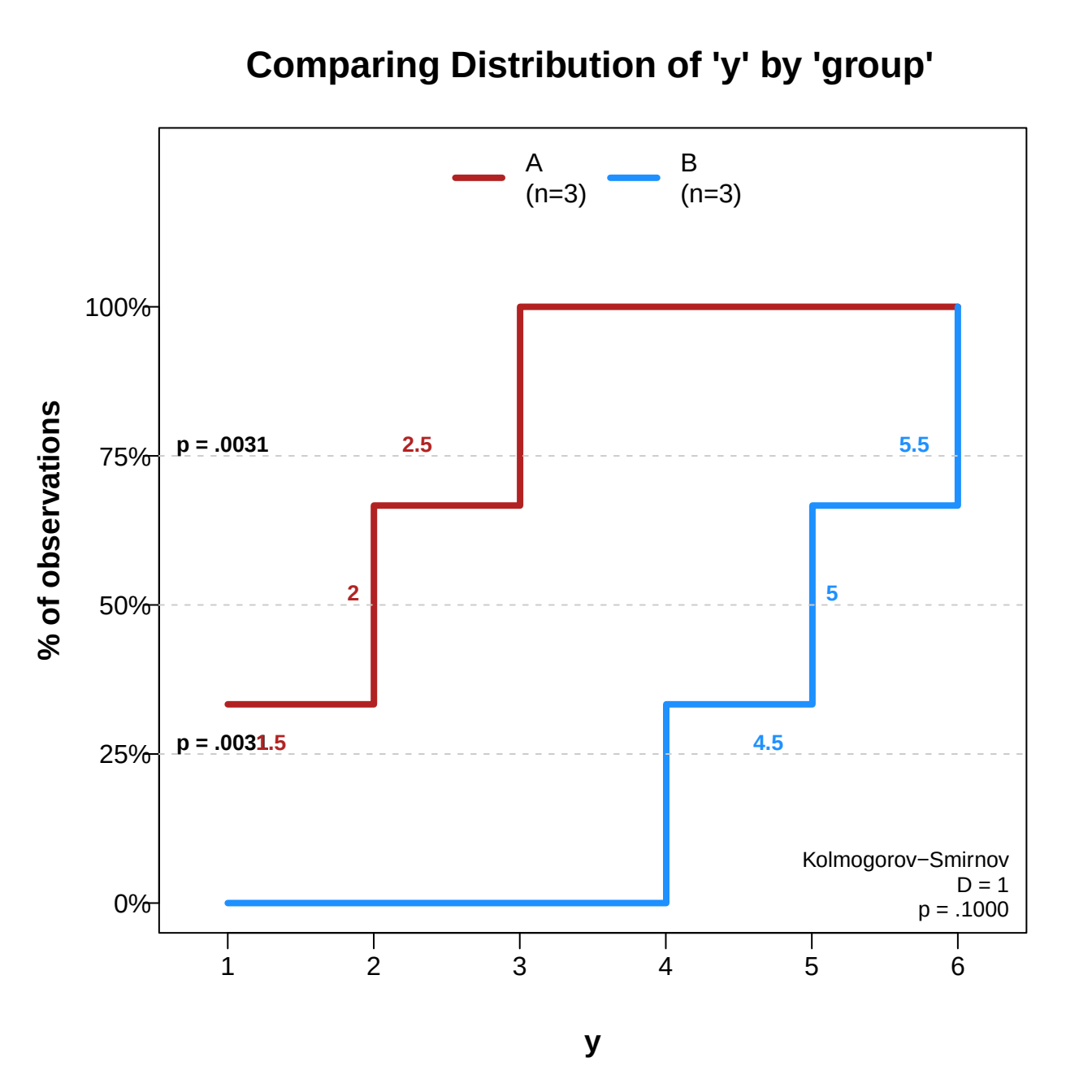

Comparing Distribution of 'y' by 'group3'
A
(n=30)
B
(n=40)
C
(n=30)
100%
75%
50%
25%
0%
% of observations
−3
−2
−1
0
1
2
3
y

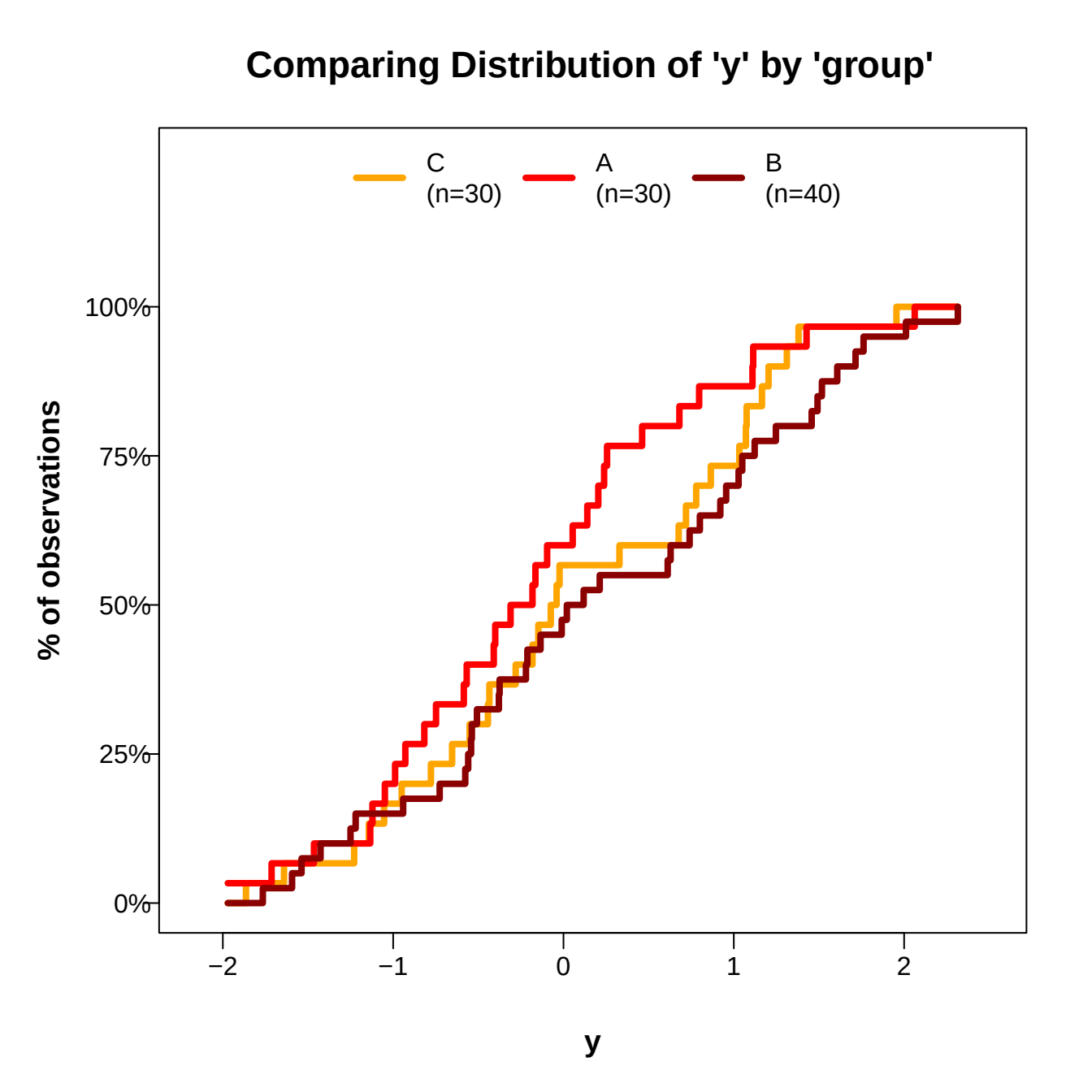

Comparing Distribution of 'y' by 'group4'
A
(n=25)
B
(n=25)
C
(n=25)
D
(n=25)
100%
75%
50%
25%
0%
% of observations
−3
−2
−1
0
1
2
3
y

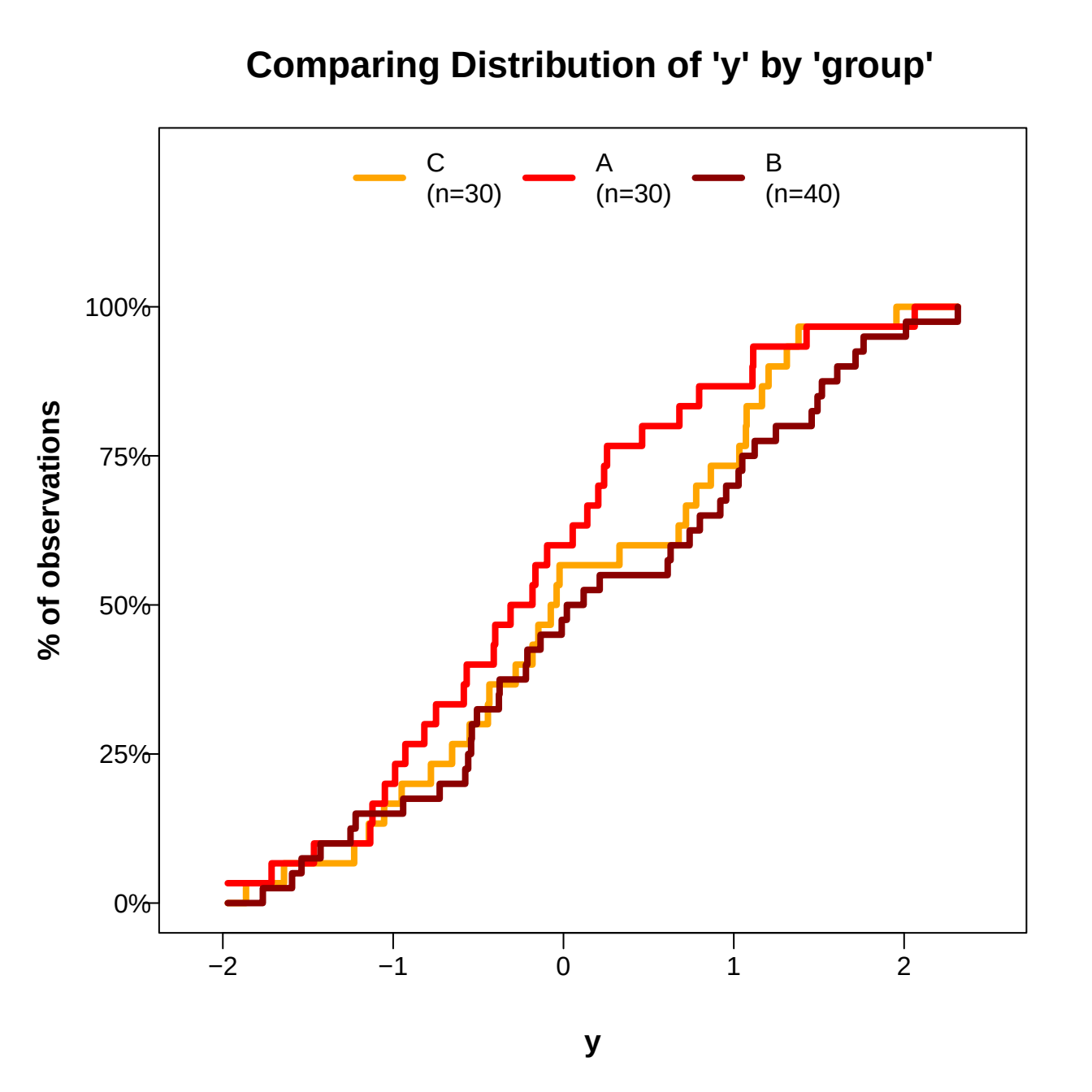

Comparing Distribution of 'y' by 'group'
A
(n=50)
B
(n=50)
100%
75%
50%
25%
0%
% of observations
p = .6114
p = .9152
p = .1181
0.59
0.75
−0.11
−0.09
−0.96
−0.58
Kolmogorov−Smirnov
D = 0.12
p = .8693
−3
−2
−1
0
1
2
y

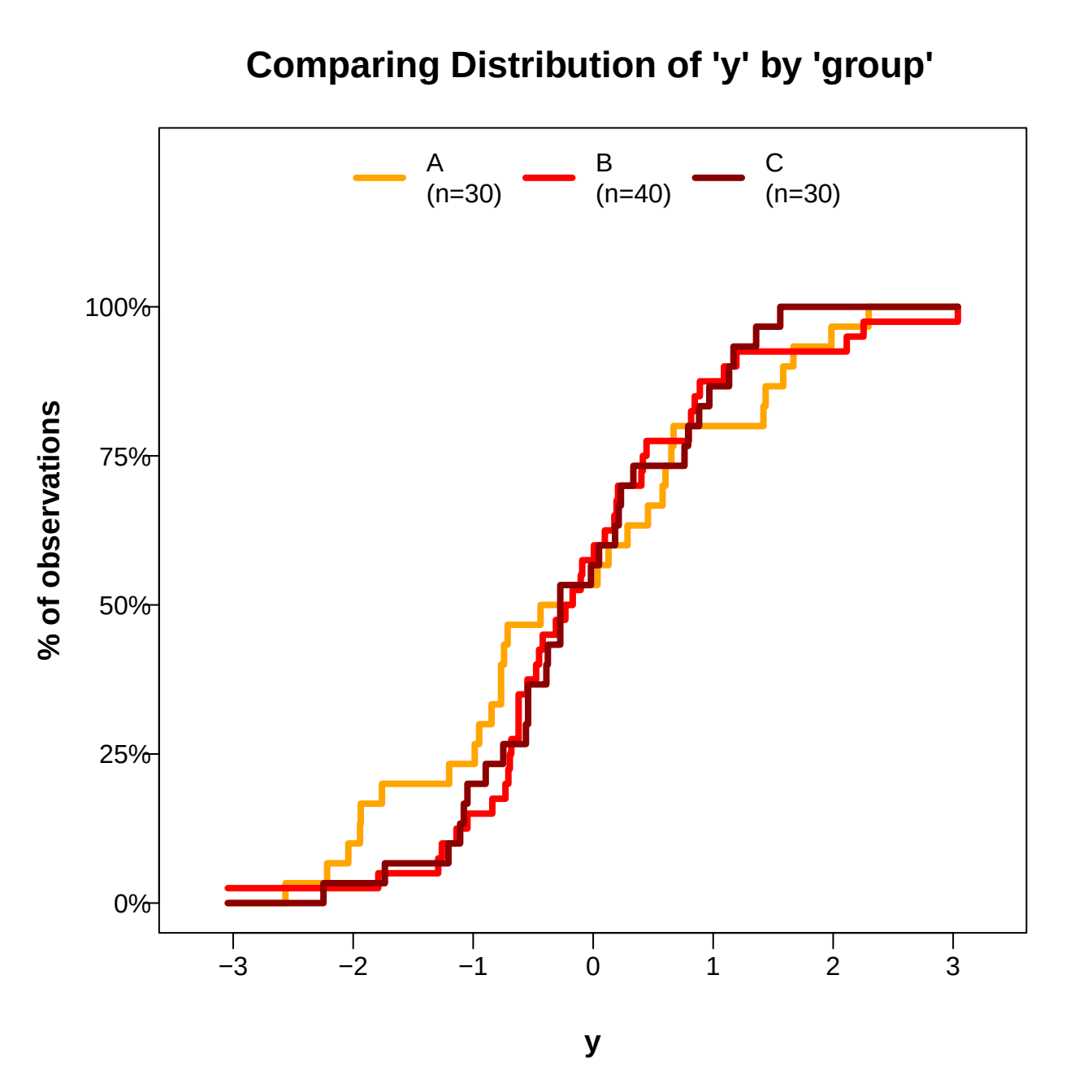

Comparing Distribution of 'y' by 'group'
100%
75%
50%
25%
0%
% of observations
−2
−1
0
1
2
y

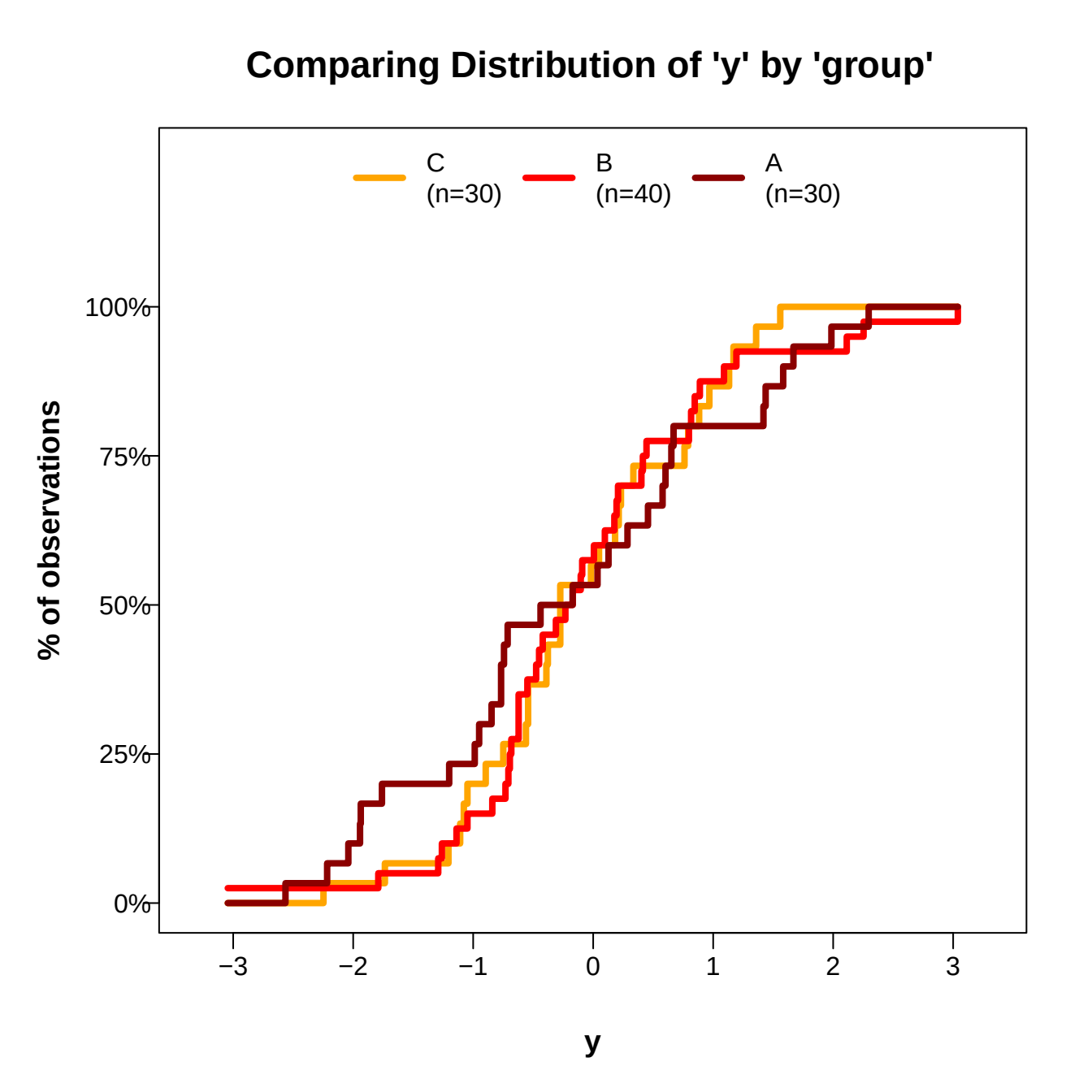

Comparing Distribution of 'y' by 'group'
A
(n=20)
B
(n=20)
100%
75%
50%
25%
0%
% of observations
p = .8742
p = .6833
p = .8757
0.77
0.86
0.18
0.45
−0.54
−0.51
Kolmogorov−Smirnov
D = 0.2
p = .8320
−2
−1
0
1
2
y

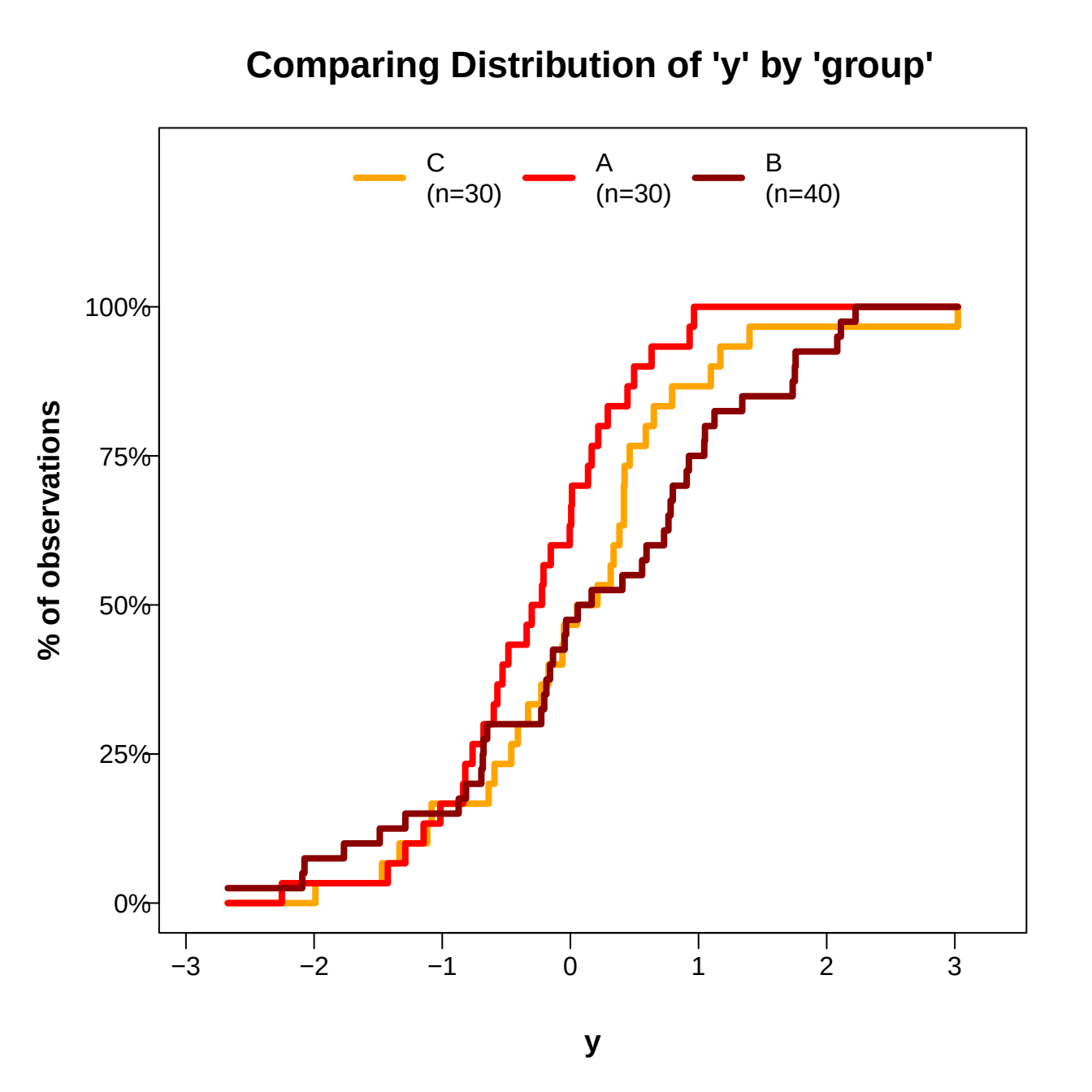

Comparing Distribution of 'y' by 'group'
A
(n=3)
B
(n=3)
100%
75%
50%
25%
0%
% of observations
p = .0031
2.5
5.5
2
5
p = .0031.5
4.5
Kolmogorov−Smirnov
D = 1
p = .1000
1
2
3
4
5
6
y

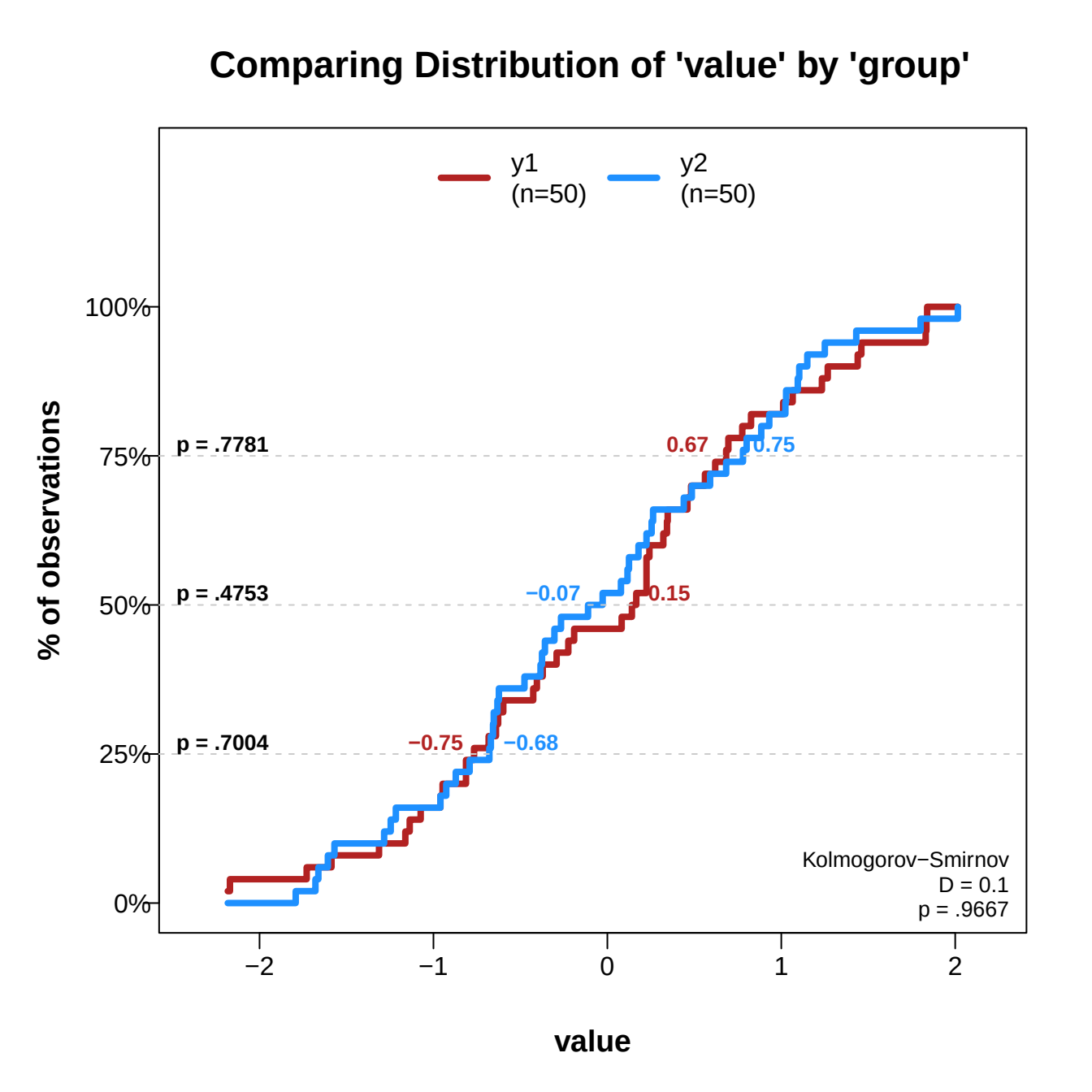

Comparing Distribution of 'y' by 'group'
C
(n=30)
A
(n=30)
B
(n=40)
100%
75%
50%
25%
0%
% of observations
−2
−1
0
1
2
y

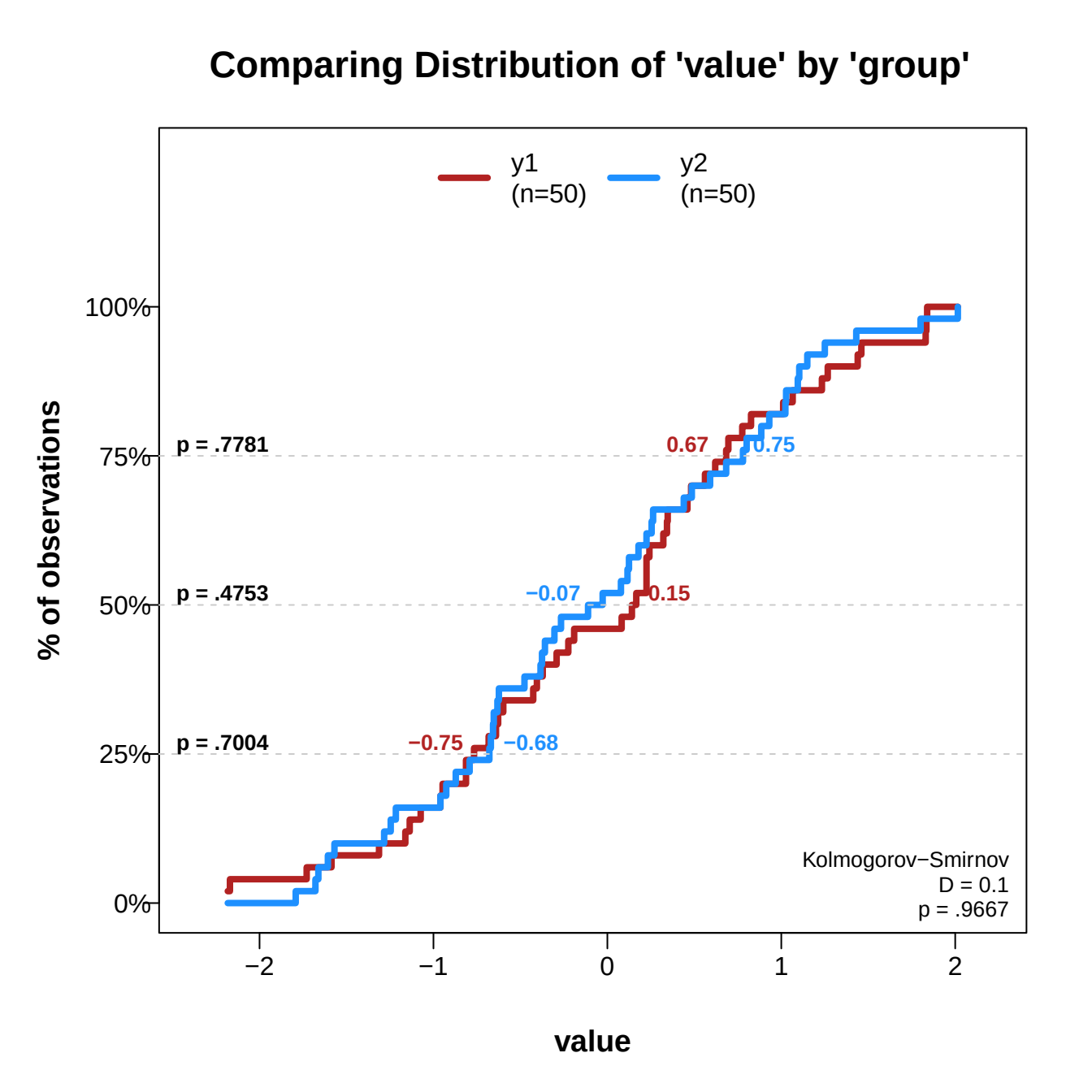

Comparing Distribution of 'y' by 'group'
C
(n=30)
A
(n=30)
B
(n=40)
100%
75%
50%
25%
0%
% of observations
−2
−1
0
1
2
y

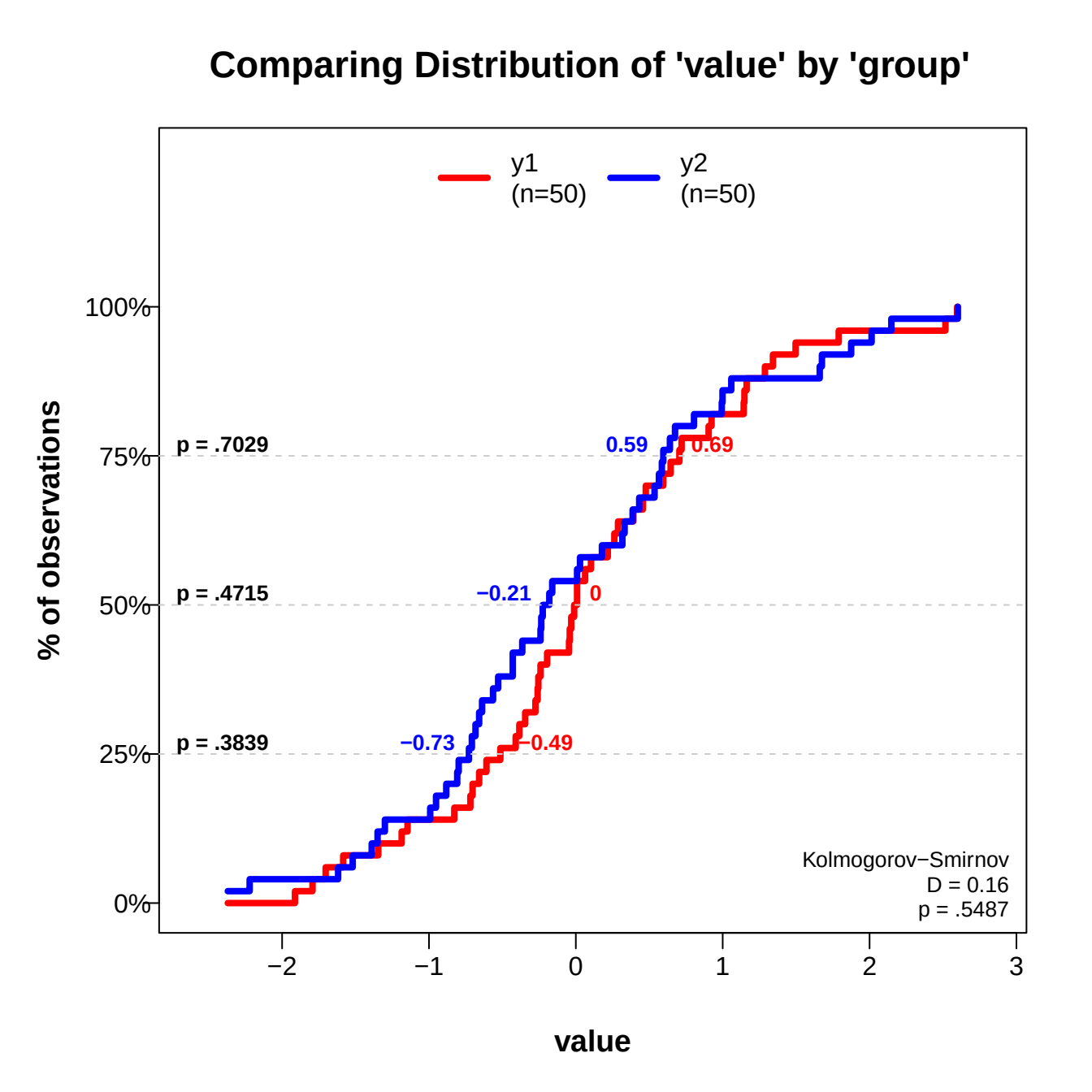

Comparing Distribution of 'y' by 'group'
A
(n=30)
B
(n=40)
C
(n=30)
100%
75%
50%
25%
0%
% of observations
−3
−2
−1
0
1
2
3
y

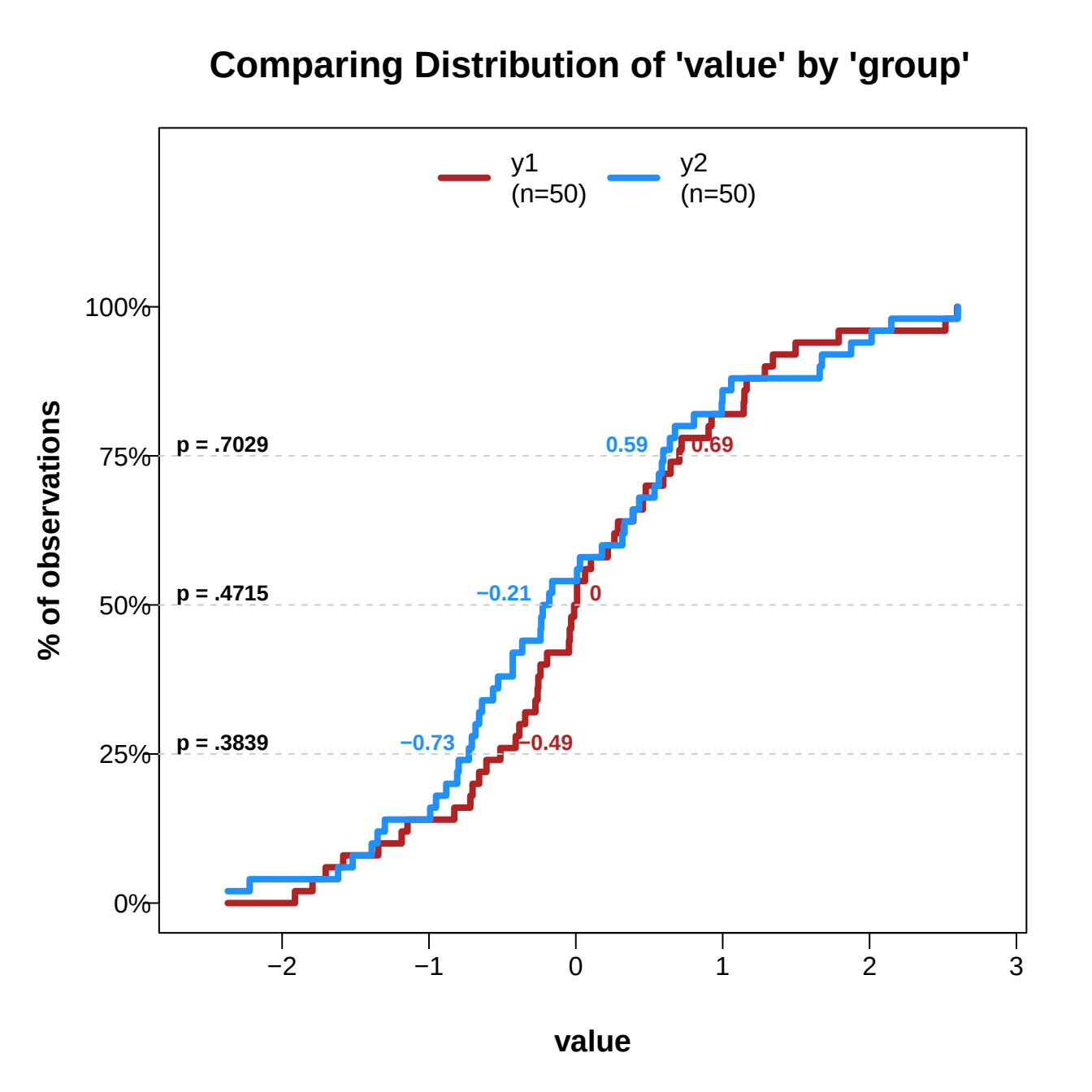

Comparing Distribution of 'y' by 'group'
C
(n=30)
B
(n=40)
A
(n=30)
100%
75%
50%
25%
0%
% of observations
−3
−2
−1
0
1
2
3
y

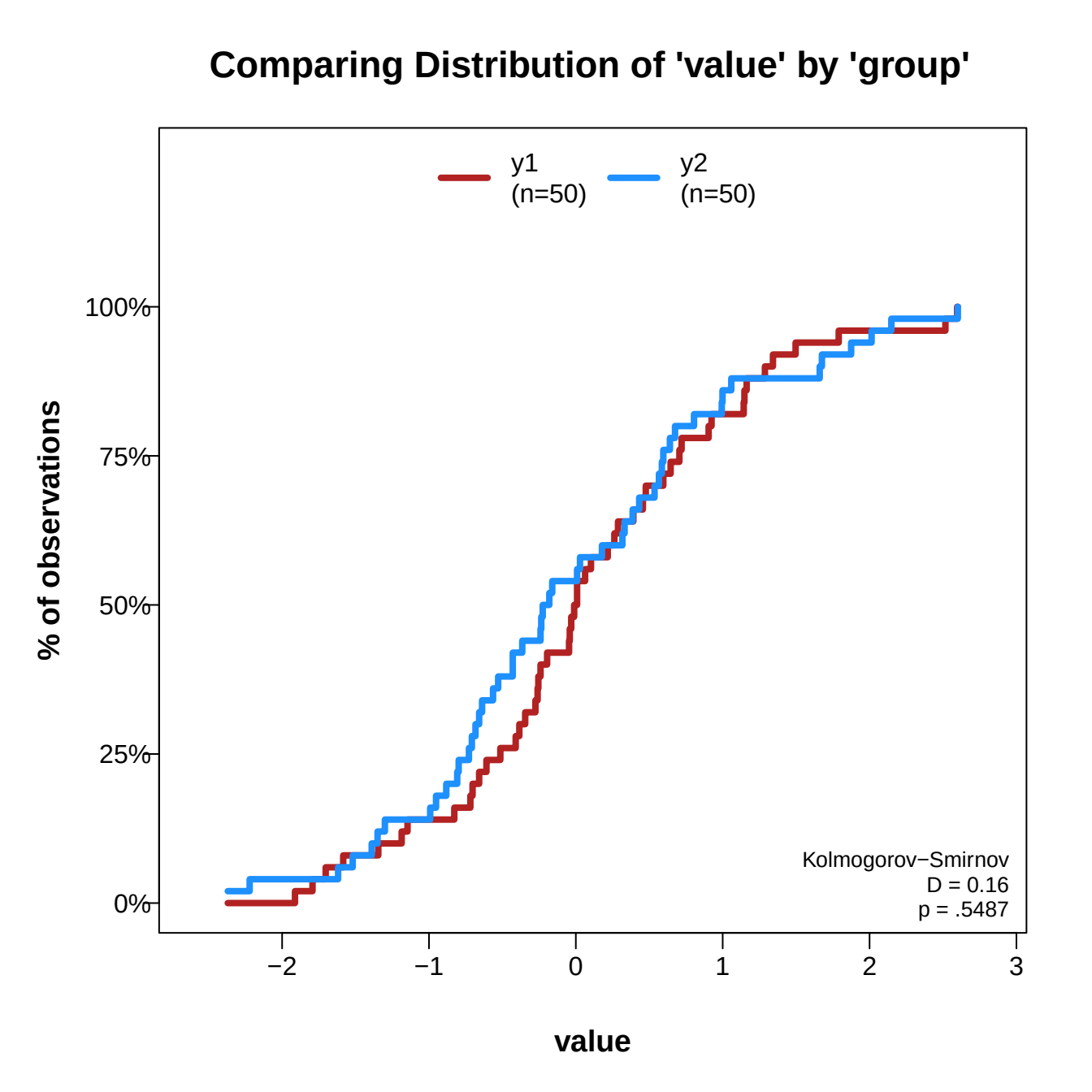

Comparing Distribution of 'y' by 'group'
C
(n=30)
A
(n=30)
B
(n=40)
100%
75%
50%
25%
0%
% of observations
−3
−2
−1
0
1
2
3
y

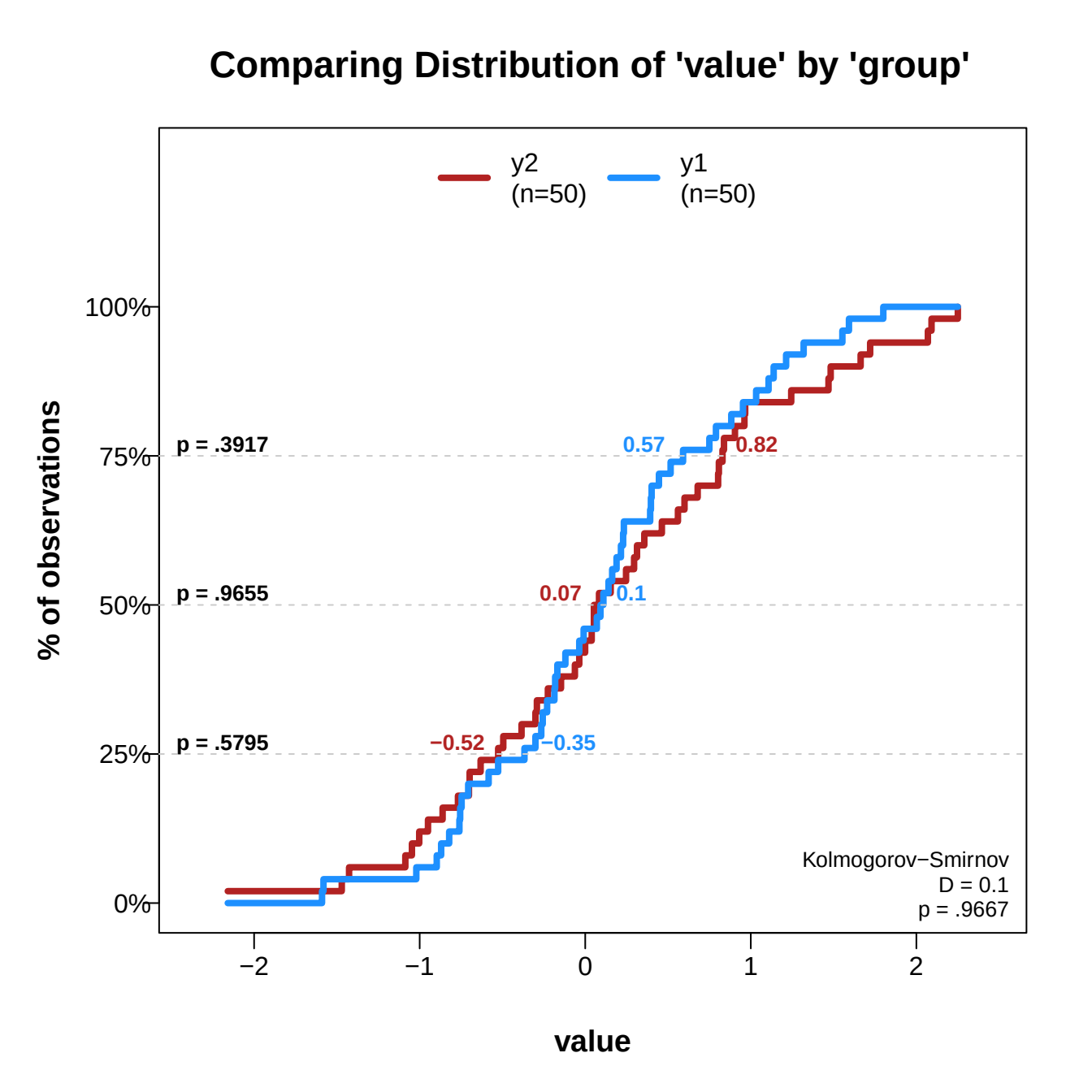

Comparing Distribution of 'value' by 'group'
y1
(n=50)
y2
(n=50)
100%
75%
50%
25%
0%
% of observations
p = .7781
p = .4753
p = .7004
0.67
0.75
−0.07
0.15
−0.75
−0.68
Kolmogorov−Smirnov
D = 0.1
p = .9667
−2
−1
0
1
2
value

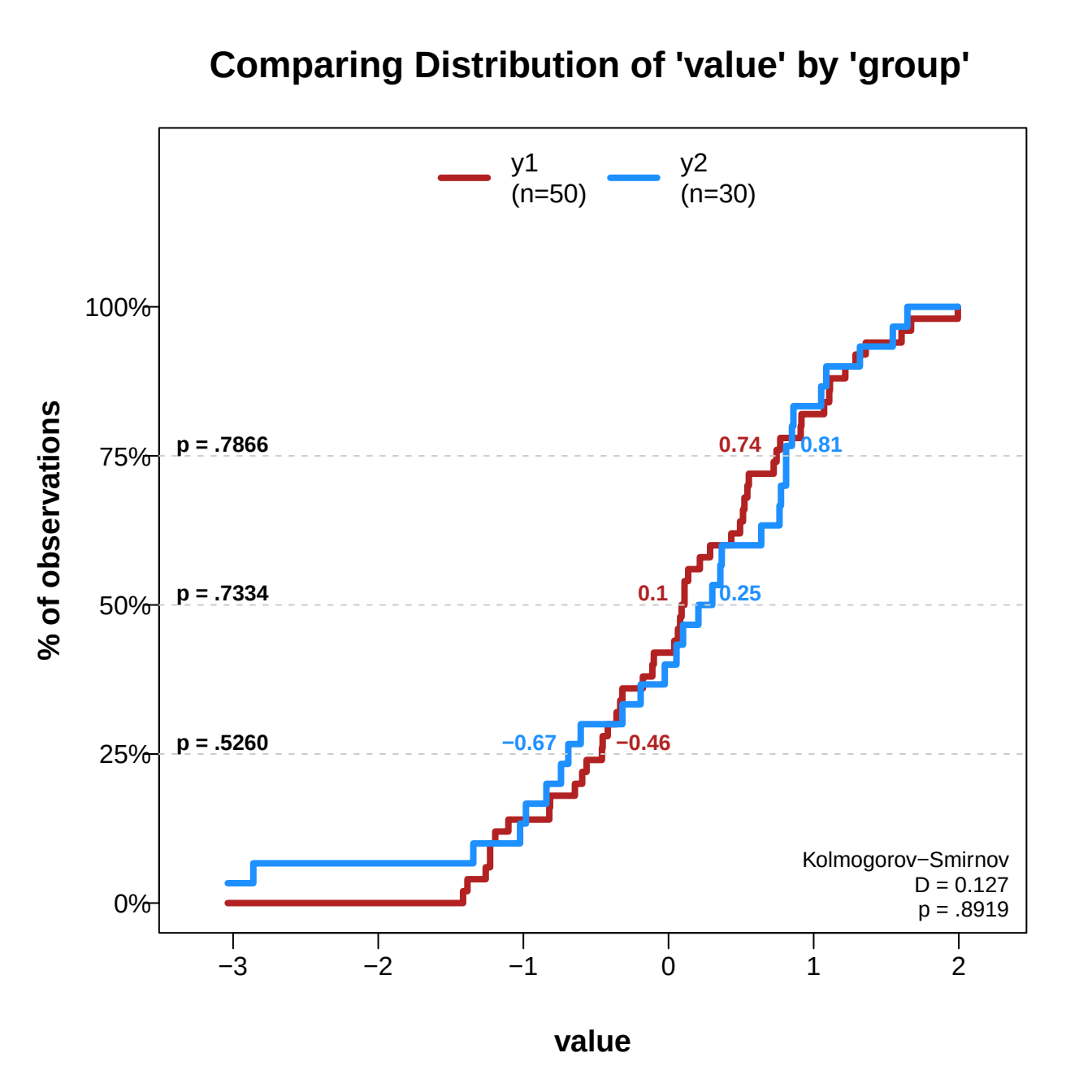

Comparing Distribution of 'value' by 'group'
y1
(n=50)
y2
(n=50)
100%
75%
50%
25%
0%
% of observations
p = .7781
p = .4753
p = .7004
0.67
0.75
−0.07
0.15
−0.75
−0.68
Kolmogorov−Smirnov
D = 0.1
p = .9667
−2
−1
0
1
2
value

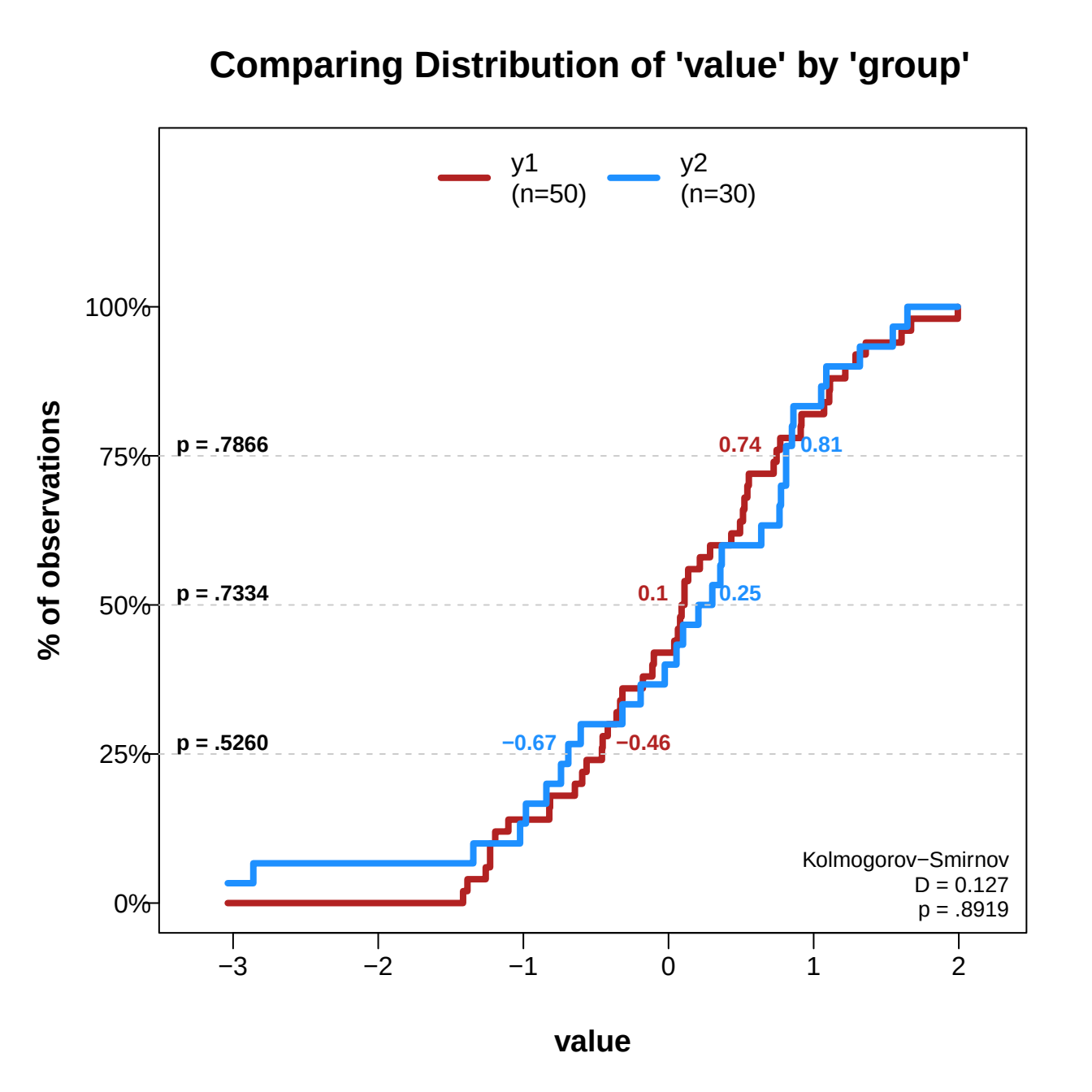

Comparing Distribution of 'value' by 'group'
y1
(n=50)
y2
(n=50)
100%
75%
50%
25%
0%
% of observations
p = .7029
p = .4715
p = .3839
0.59
0.69
−0.21
0
−0.73
−0.49
Kolmogorov−Smirnov
D = 0.16
p = .5487
−2
−1
0
1
2
3
value

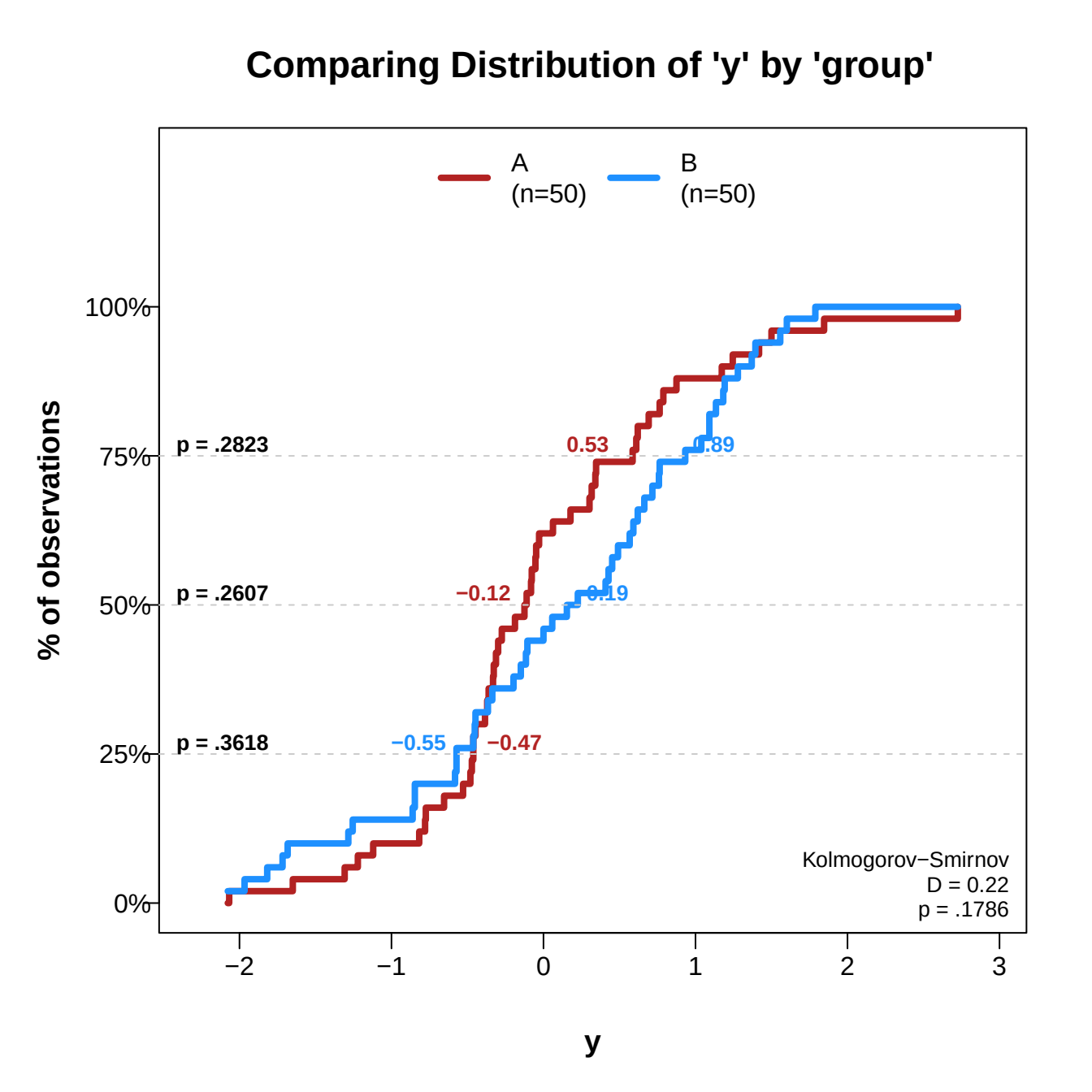

Comparing Distribution of 'value' by 'group'
y1
(n=50)
y2
(n=50)
100%
75%
50%
25%
0%
% of observations
p = .7029
p = .4715
p = .3839
0.59
0.69
−0.21
0
−0.73
−0.49
−2
−1
0
1
2
3
value

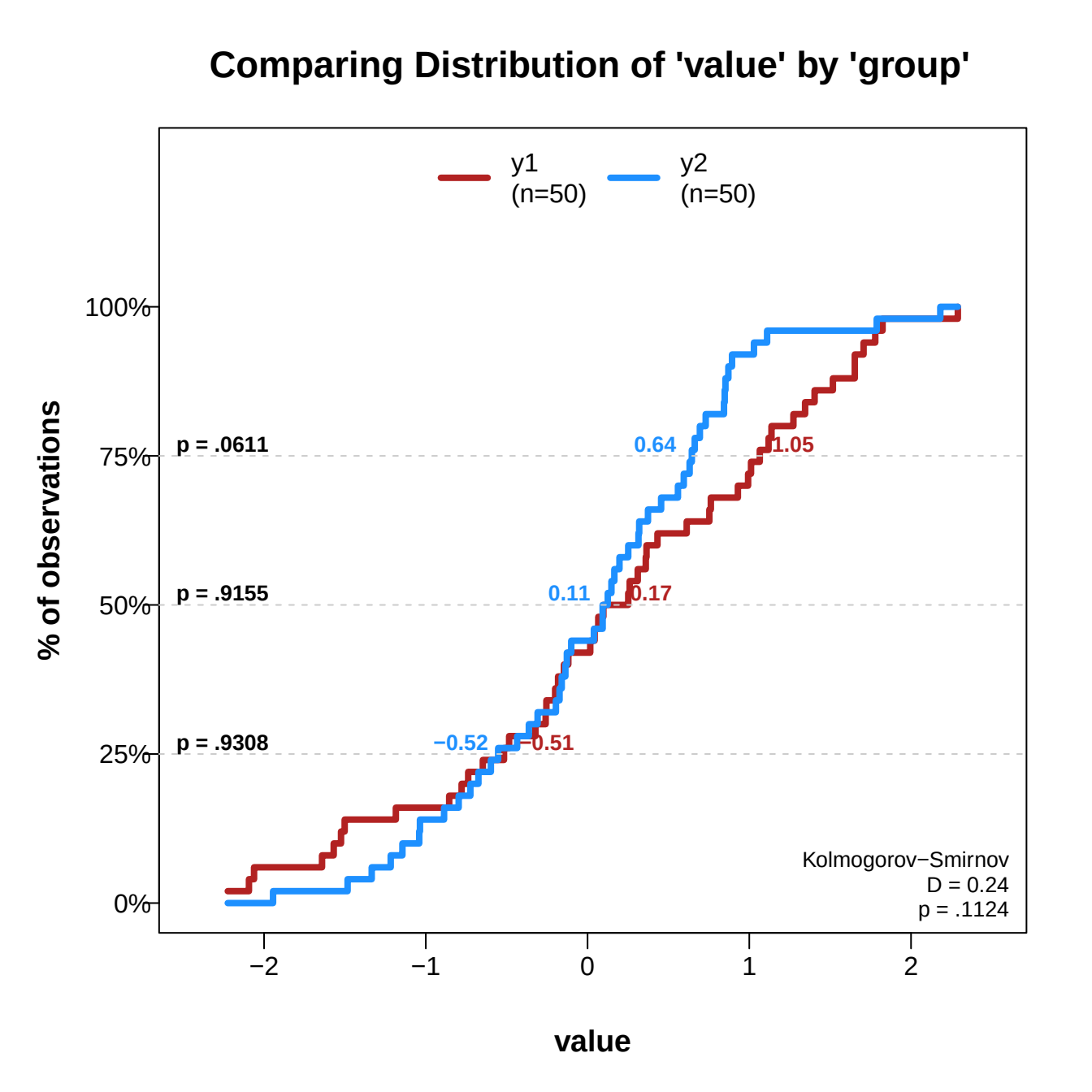

Comparing Distribution of 'value' by 'group'
y1
(n=50)
y2
(n=50)
100%
75%
50%
25%
0%
% of observations
−2
−1
0
1
2
3
value
Kolmogorov−Smirnov
D = 0.16
p = .5487

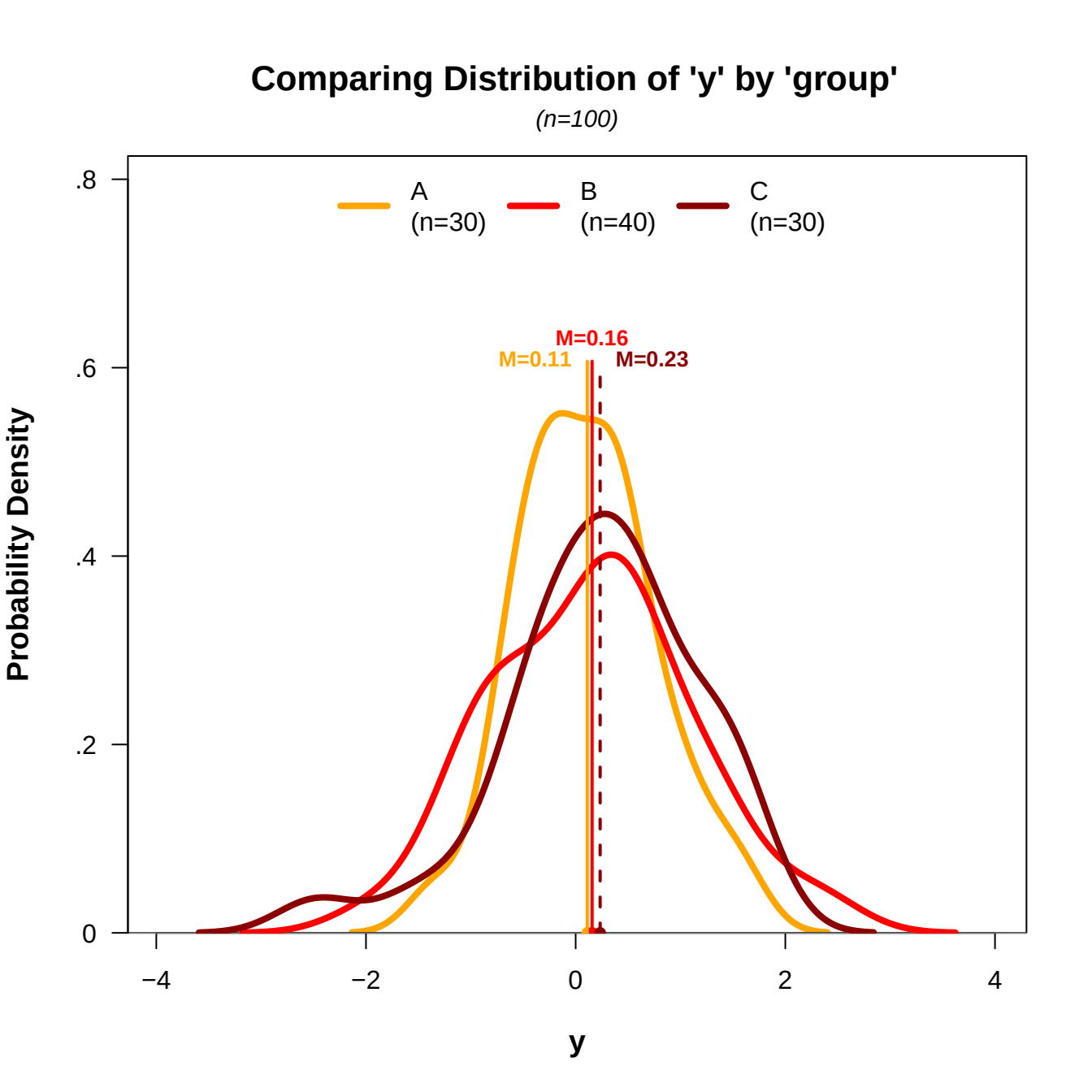

Comparing Distribution of 'value' by 'group'
y2
(n=50)
y1
(n=50)
100%
75%
50%
25%
0%
% of observations
p = .3917
p = .9655
p = .5795
0.57
0.82
0.07
0.1
−0.52
−0.35
Kolmogorov−Smirnov
D = 0.1
p = .9667
−2
−1
0
1
2
value

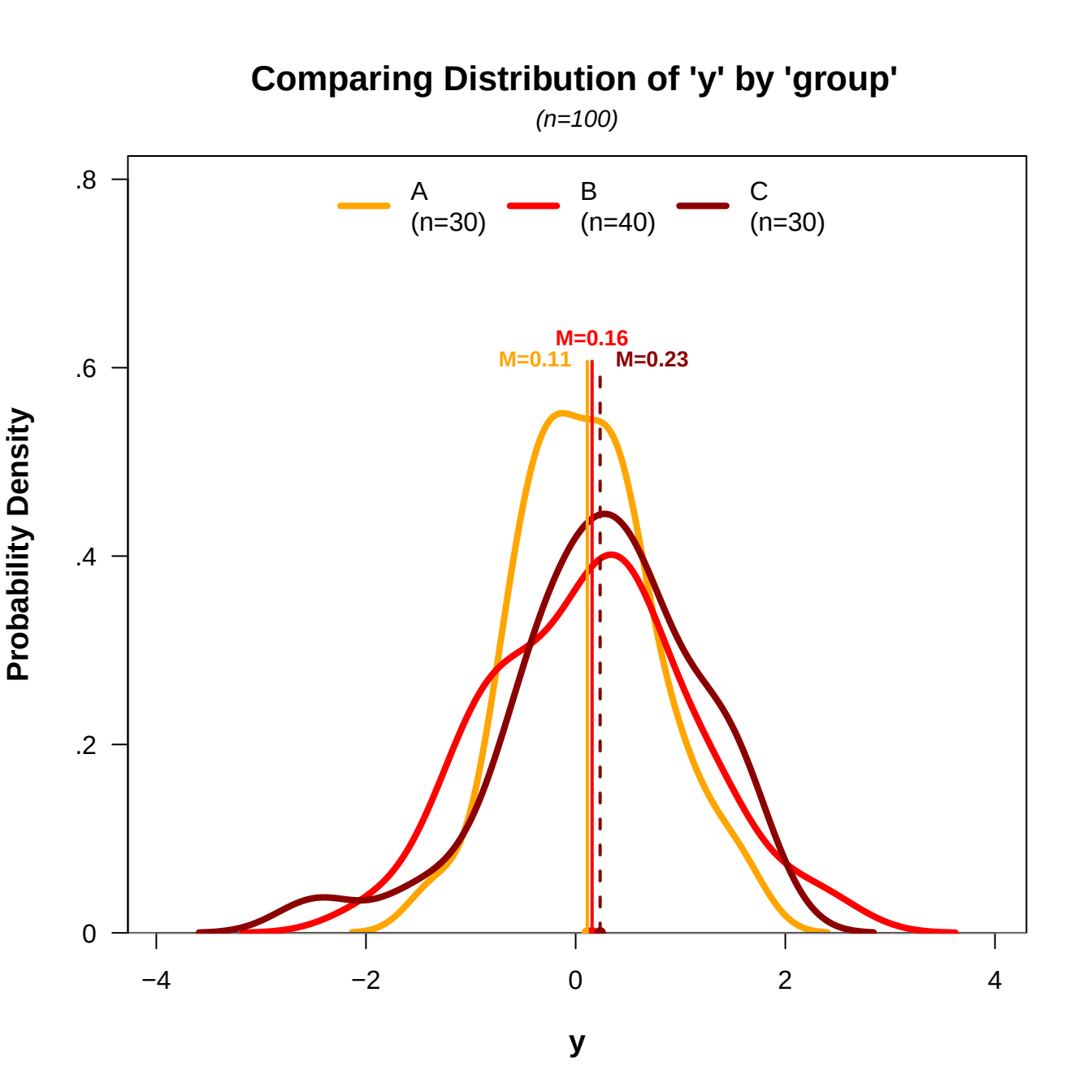

Comparing Distribution of 'value' by 'group'
y1
(n=50)
y2
(n=30)
100%
75%
50%
25%
0%
% of observations
p = .7866
p = .7334
p = .5260
0.74
0.81
0.1
0.25
−0.67
−0.46
Kolmogorov−Smirnov
D = 0.127
p = .8919
−3
−2
−1
0
1
2
value

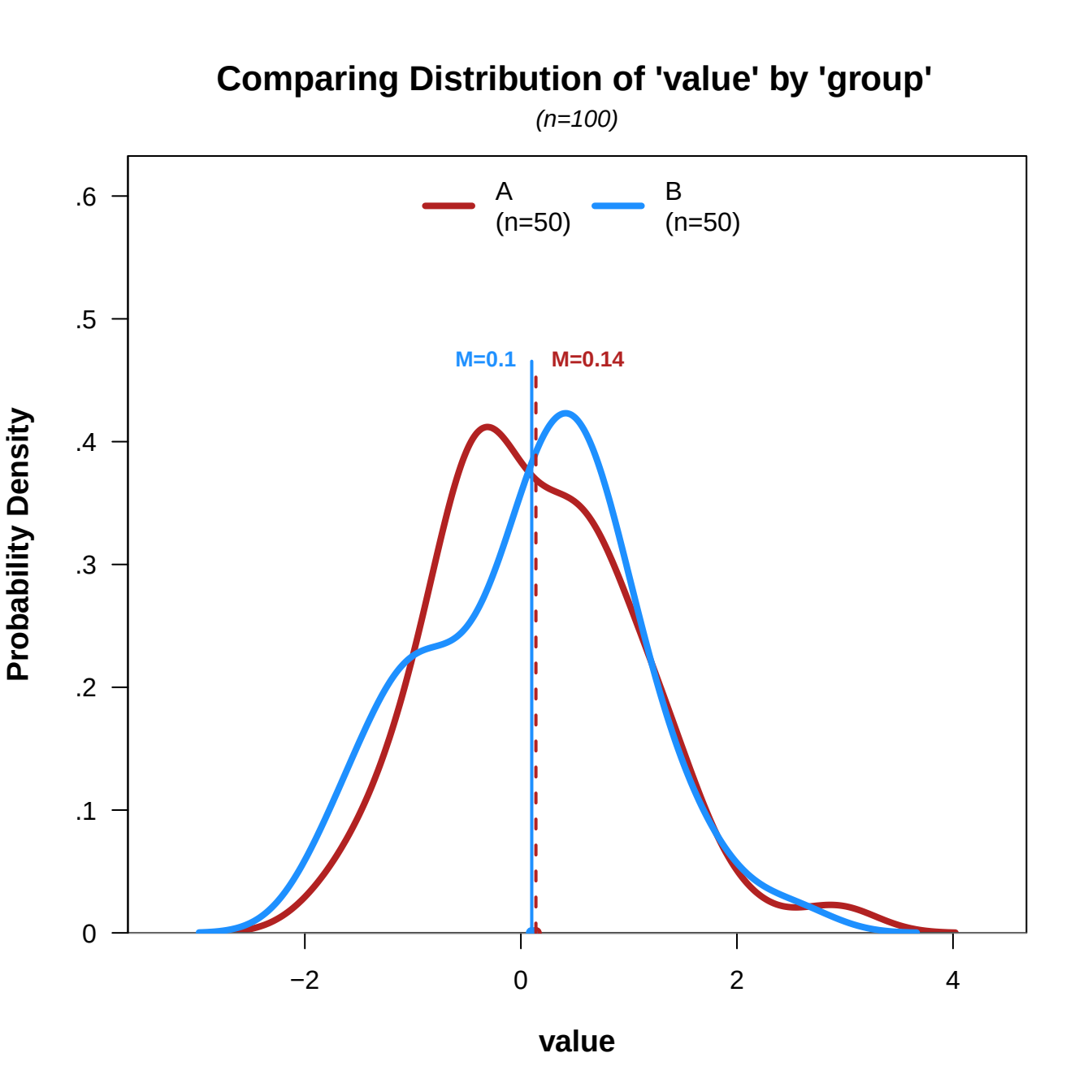

Comparing Distribution of 'value' by 'group'
y1
(n=50)
y2
(n=30)
100%
75%
50%
25%
0%
% of observations
p = .7866
p = .7334
p = .5260
0.74
0.81
0.1
0.25
−0.67
−0.46
Kolmogorov−Smirnov
D = 0.127
p = .8919
−3
−2
−1
0
1
2
value

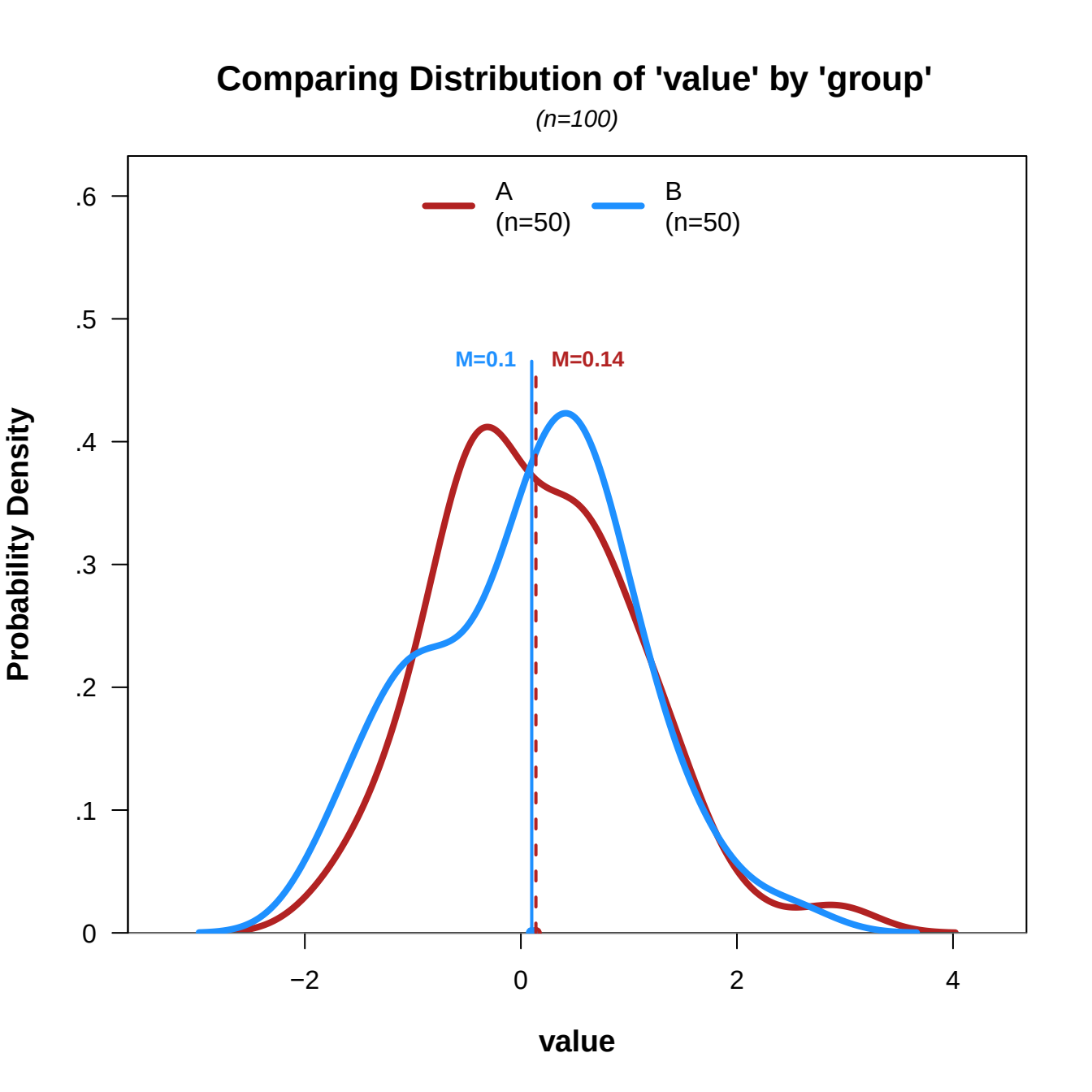

Comparing Distribution of 'y' by 'group'
A
(n=50)
B
(n=50)
100%
75%
50%
25%
0%
% of observations
p = .2823
p = .2607
p = .3618
0.53
0.89
−0.12
0.19
−0.55
−0.47
Kolmogorov−Smirnov
D = 0.22
p = .1786
−2
−1
0
1
2
3
y

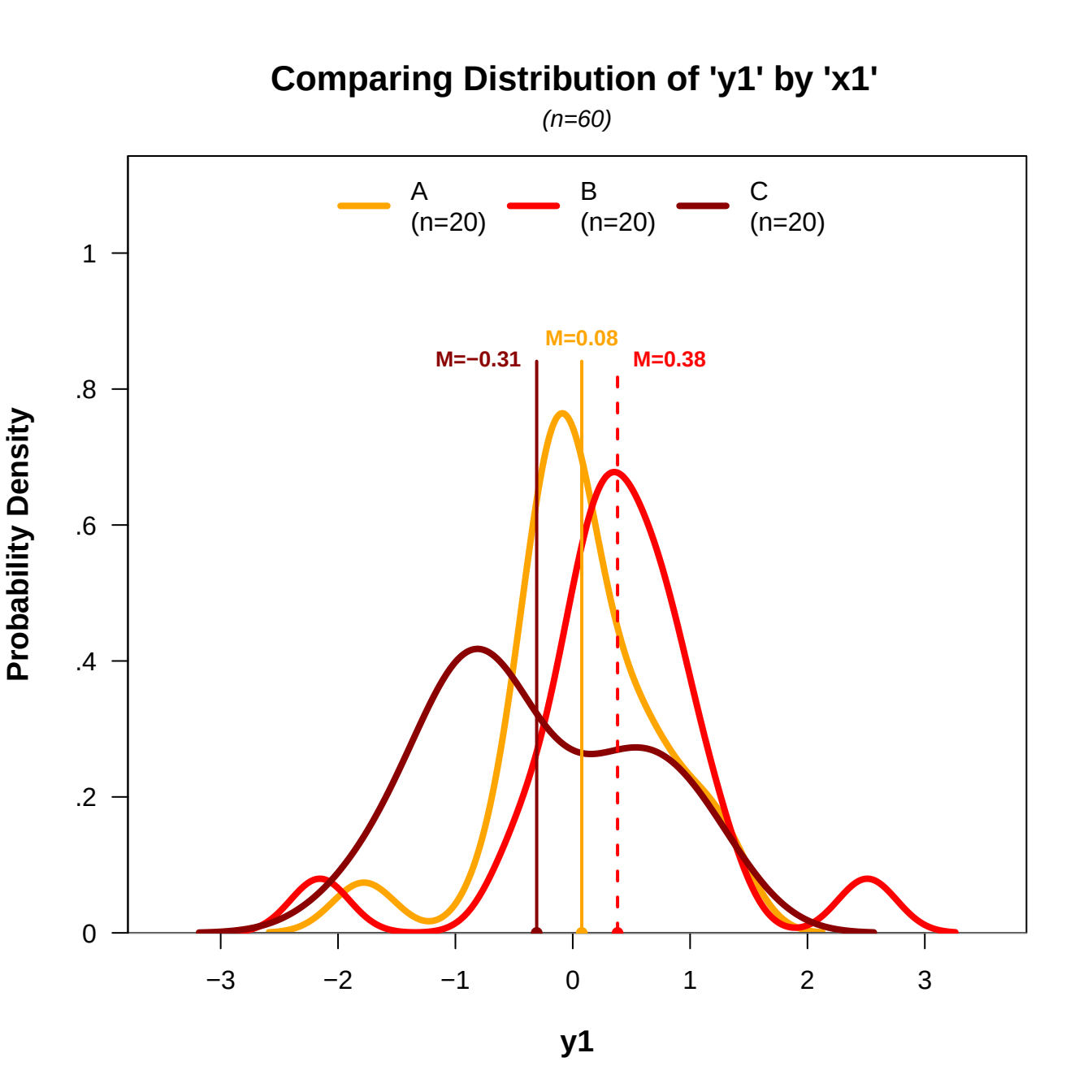

Comparing Distribution of 'value' by 'group'
y1
(n=50)
y2
(n=50)
100%
75%
50%
25%
0%
% of observations
p = .0611
p = .9155
p = .9308
0.64
1.05
0.11
0.17
−0.52
−0.51
Kolmogorov−Smirnov
D = 0.24
p = .1124
−2
−1
0
1
2
value

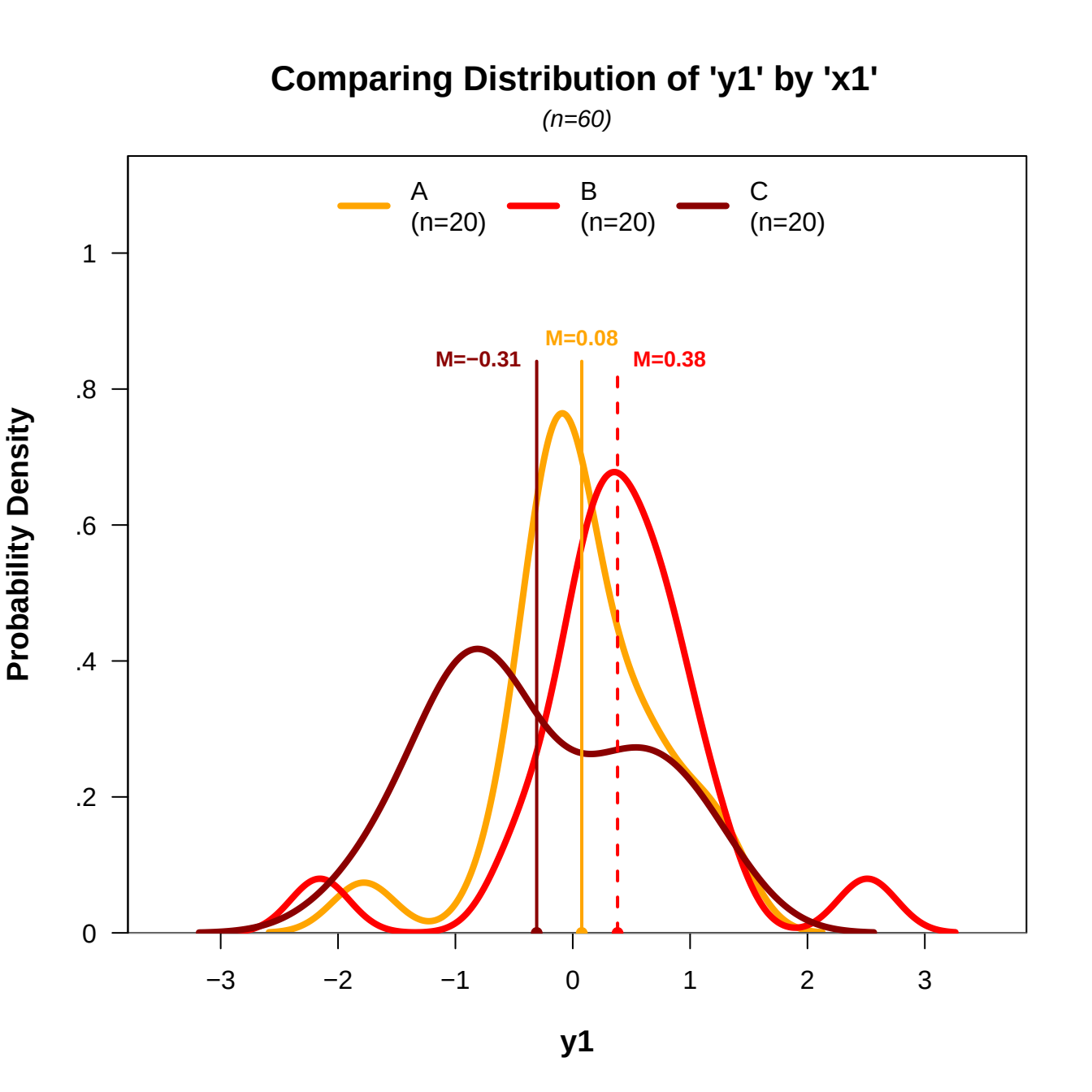

Comparing Distribution of 'y' by 'group'
(n=100)
A
(n=30)
B
(n=40)
C
(n=30)
M=0.16
M=0.11
M=0.23
Probability Density
.8
.6
.4
.2
0
−4
−2
0
2
4
y

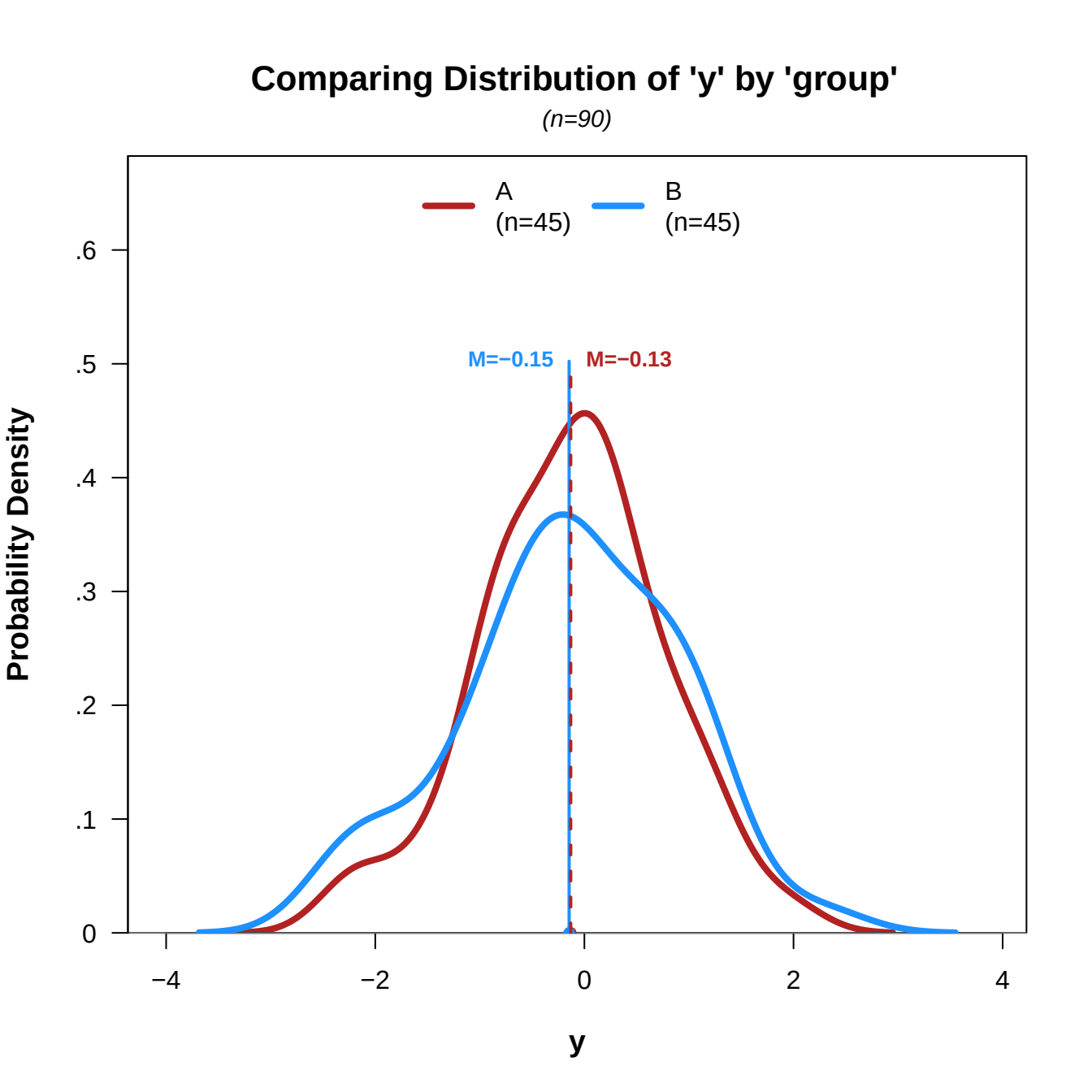

Comparing Distribution of 'y' by 'group'
(n=100)
A
(n=30)
B
(n=40)
C
(n=30)
M=0.16
M=0.11
M=0.23
Probability Density
.8
.6
.4
.2
0
−4
−2
0
2
4
y

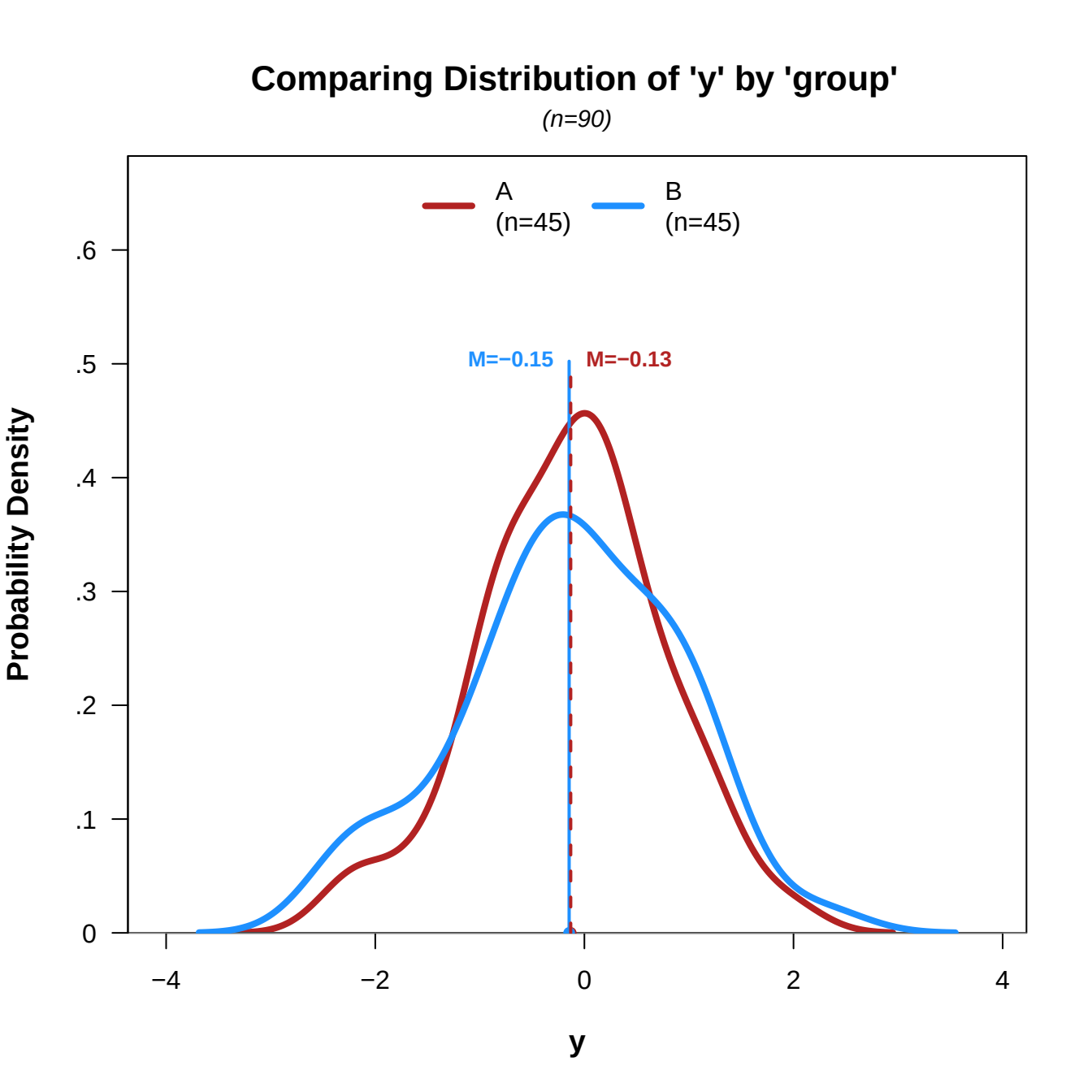

Comparing Distribution of 'value' by 'group'
(n=100)
A
(n=50)
B
(n=50)
M=0.1
M=0.14
Probability Density
.6
.5
.4
.3
.2
.1
0
−2
0
2
4
value

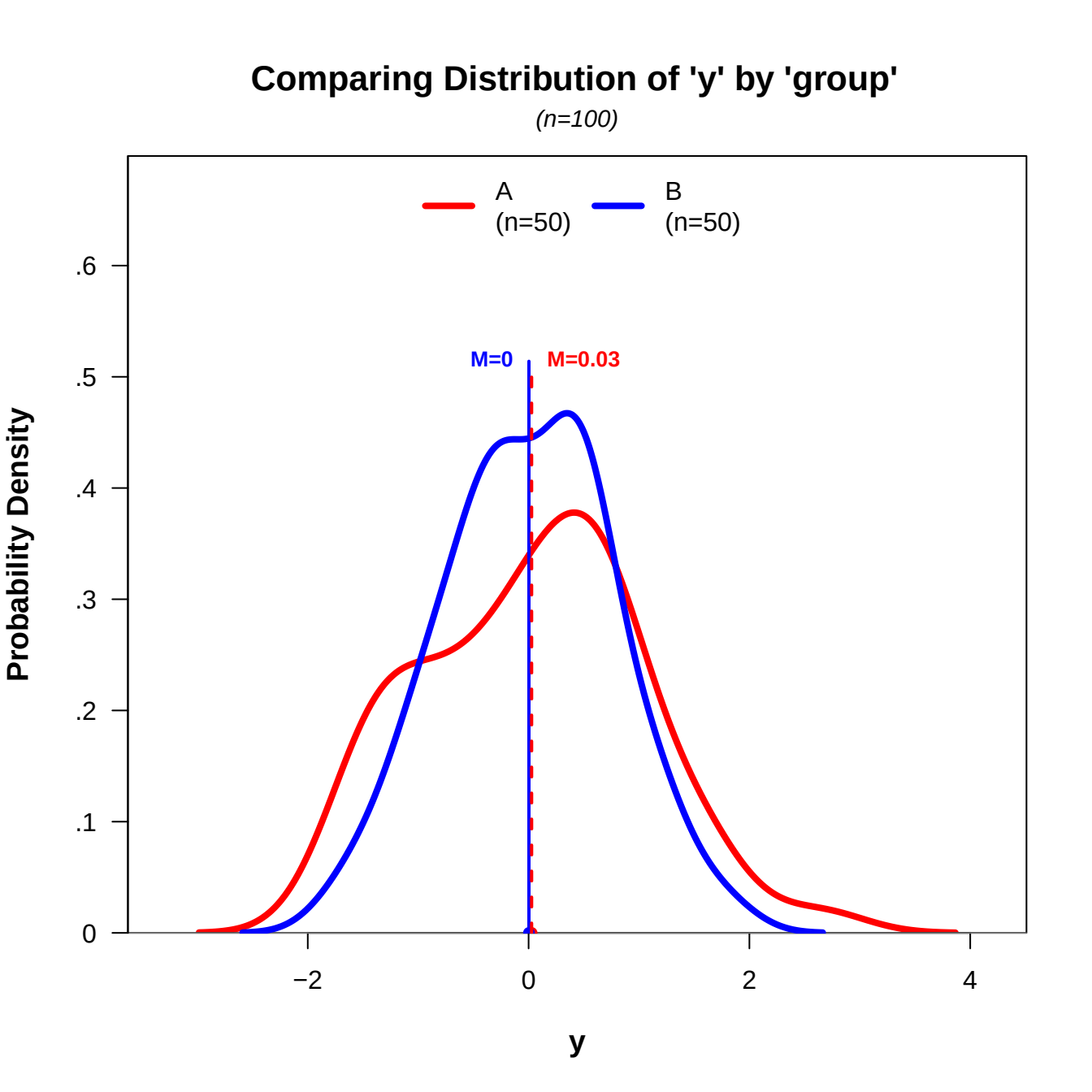

Comparing Distribution of 'value' by 'group'
(n=100)
A
(n=50)
B
(n=50)
M=0.1
M=0.14
Probability Density
.6
.5
.4
.3
.2
.1
0
−2
0
2
4
value

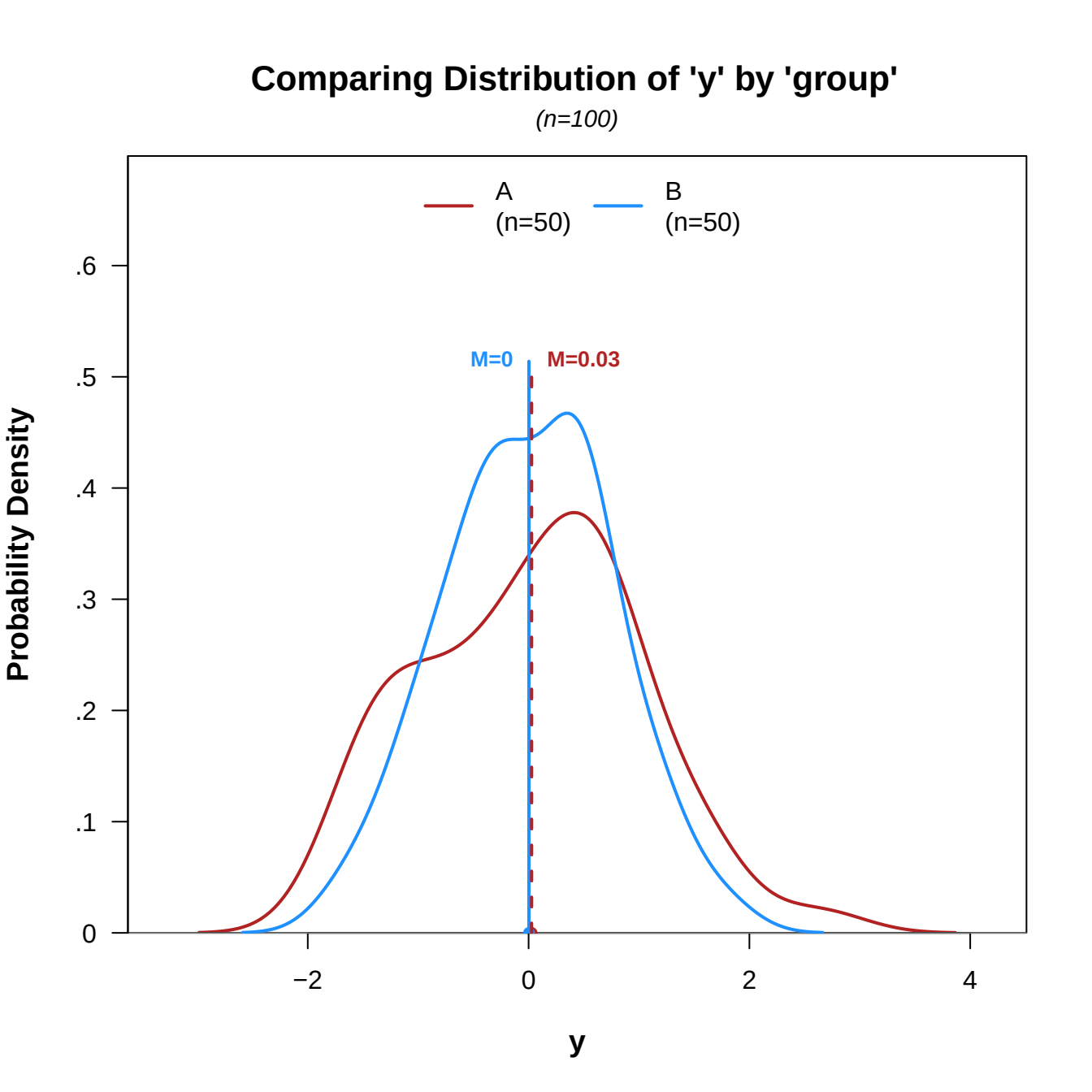

Comparing Distribution of 'y1' by 'x1'
(n=60)
A
(n=20)
B
(n=20)
C
(n=20)
M=0.08
M=−0.31
M=0.38
Probability Density
1
.8
.6
.4
.2
0
−3
−2
−1
0
1
2
3
y1

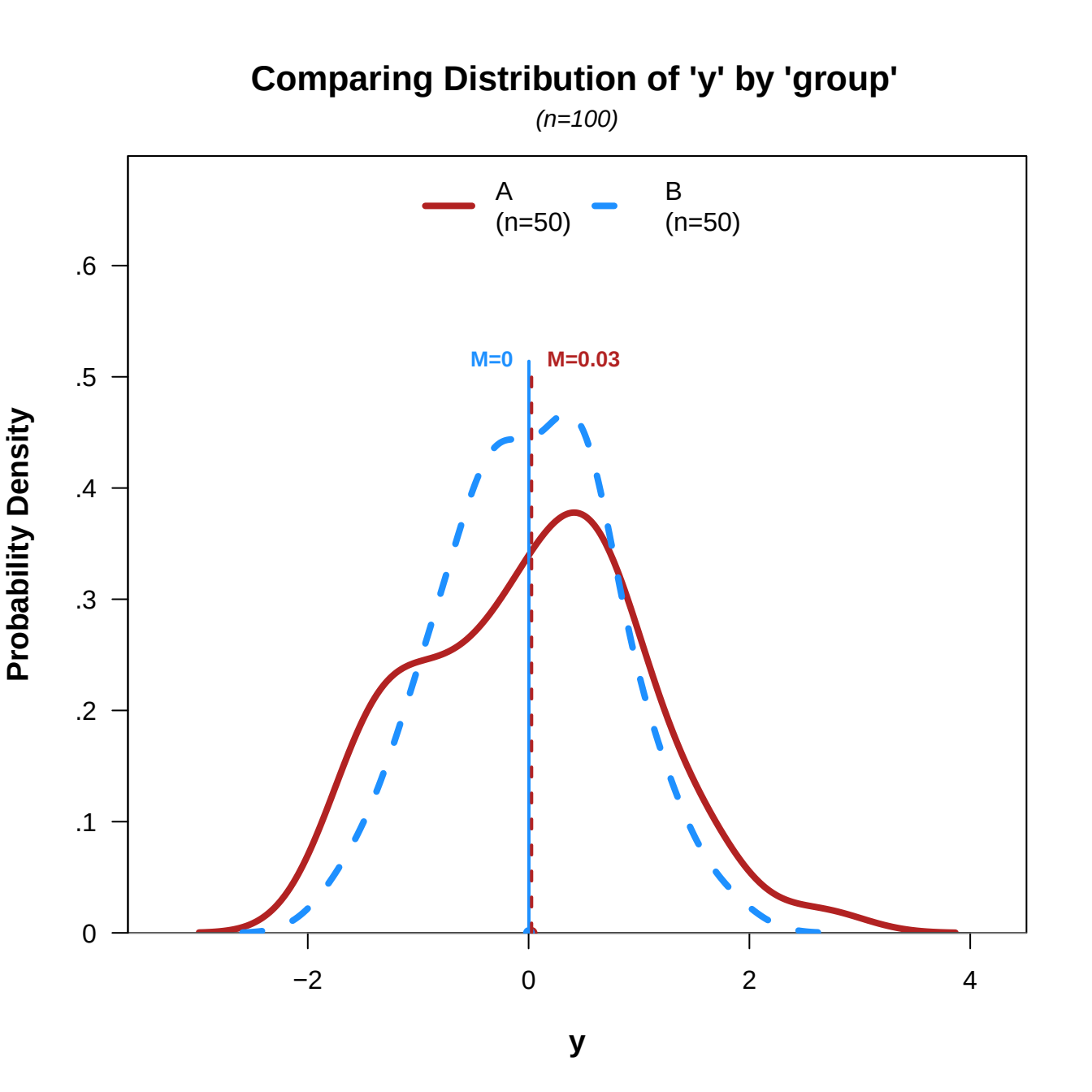

Comparing Distribution of 'y1' by 'x1'
(n=60)
A
(n=20)
B
(n=20)
C
(n=20)
M=0.08
M=−0.31
M=0.38
Probability Density
1
.8
.6
.4
.2
0
−3
−2
−1
0
1
2
3
y1

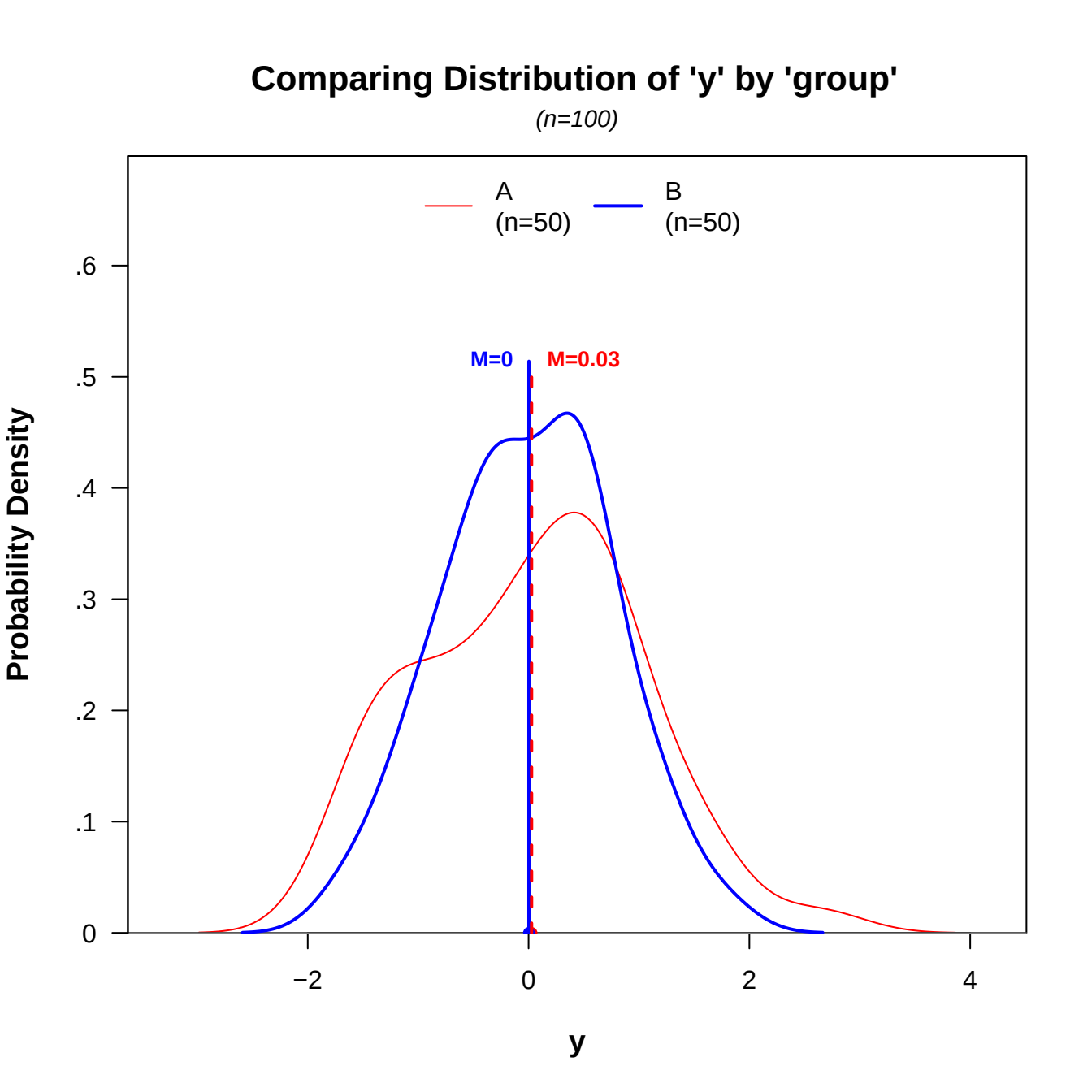

Comparing Distribution of 'y' by 'group'
(n=90)
A
(n=45)
B
(n=45)
M=−0.15
M=−0.13
Probability Density
.6
.5
.4
.3
.2
.1
0
−4
−2
0
2
4
y

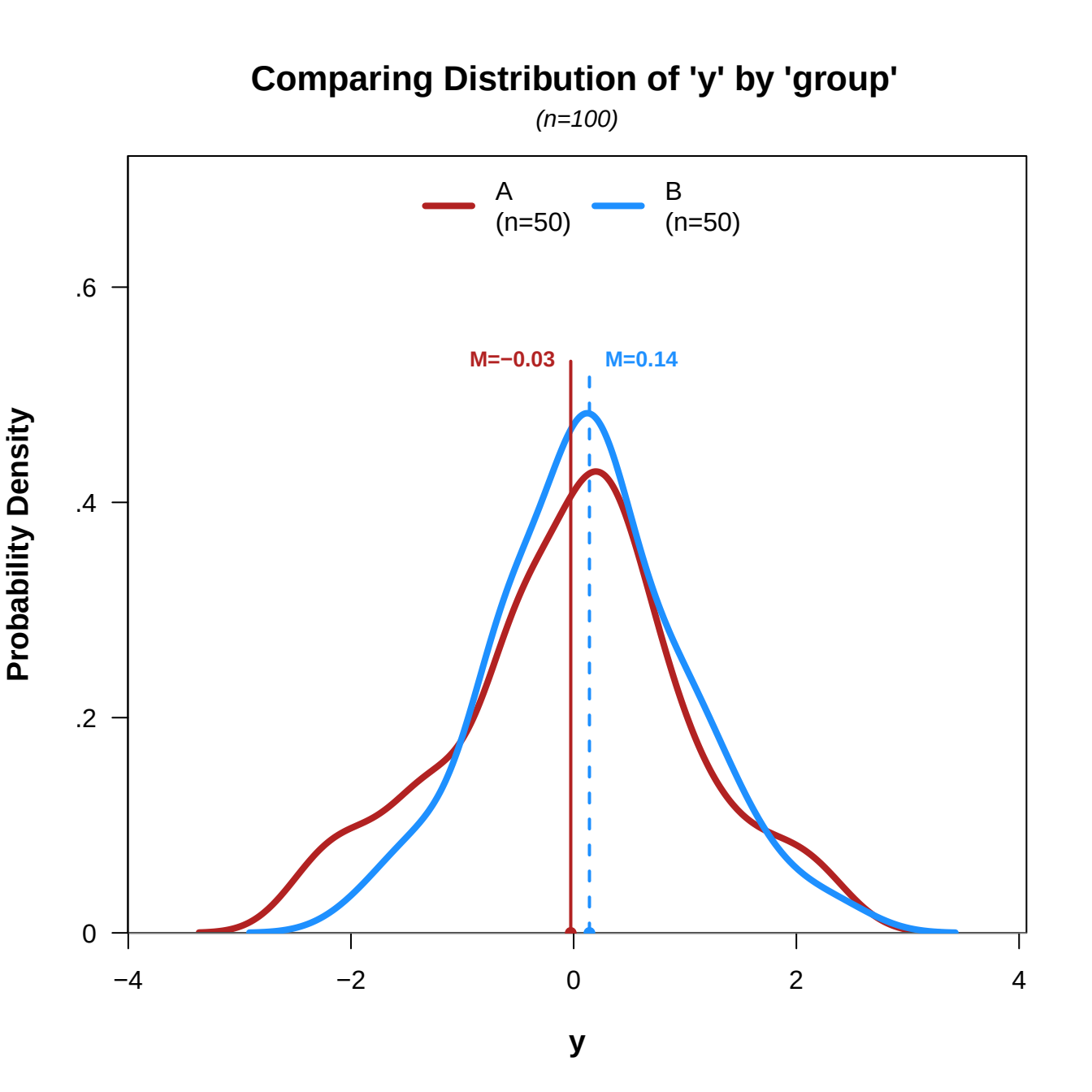

Comparing Distribution of 'y' by 'group'
(n=90)
A
(n=45)
B
(n=45)
M=−0.15
M=−0.13
Probability Density
.6
.5
.4
.3
.2
.1
0
−4
−2
0
2
4
y

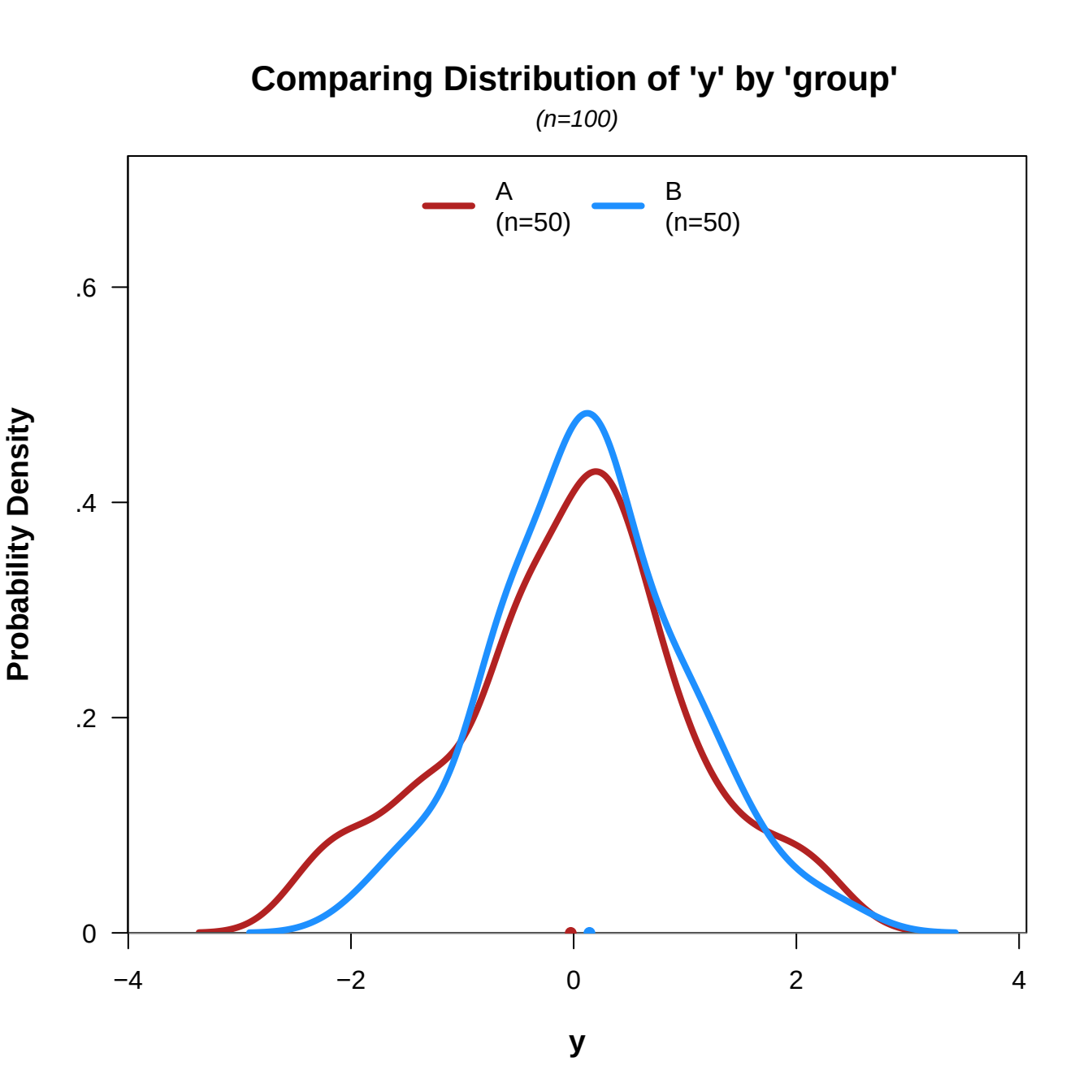

Comparing Distribution of 'y' by 'group'
(n=100)
A
(n=50)
B
(n=50)
M=0
M=0.03
Probability Density
.6
.5
.4
.3
.2
.1
0
−2
0
2
4
y

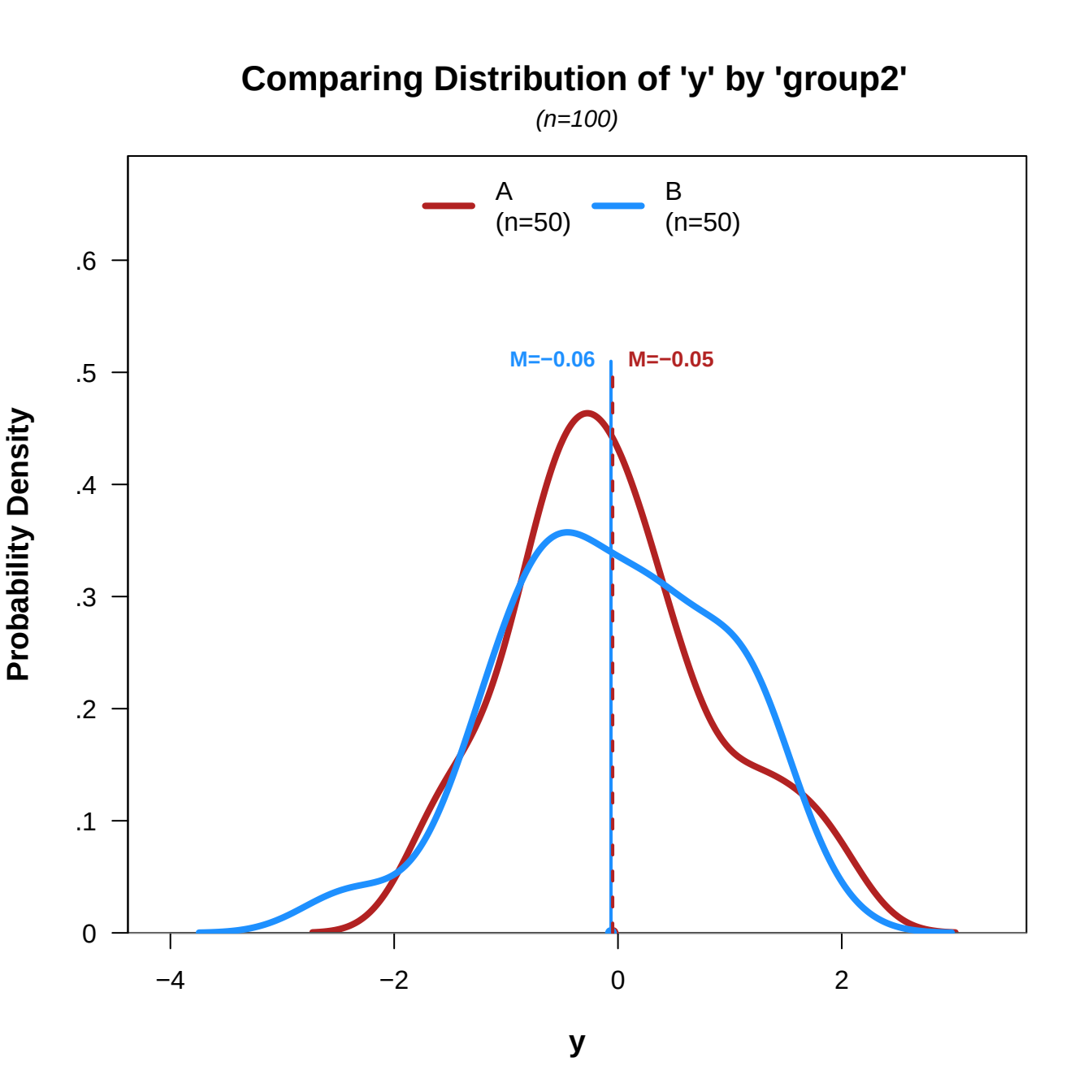

Comparing Distribution of 'y' by 'group'
(n=100)
A
(n=50)
B
(n=50)
M=0
M=0.03
Probability Density
.6
.5
.4
.3
.2
.1
0
−2
0
2
4
y

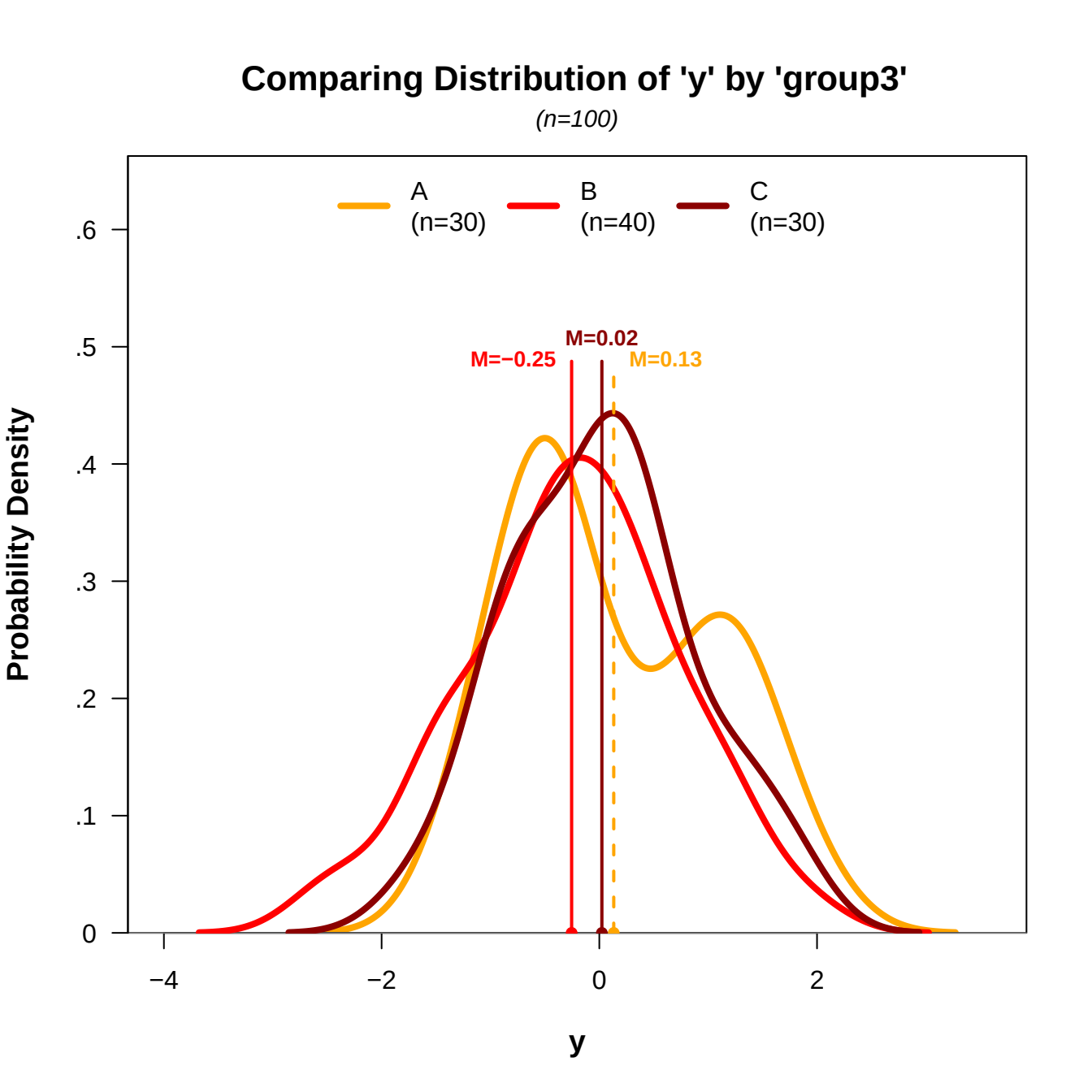

Comparing Distribution of 'y' by 'group'
(n=100)
A
(n=50)
B
(n=50)
M=0
M=0.03
Probability Density
.6
.5
.4
.3
.2
.1
0
−2
0
2
4
y

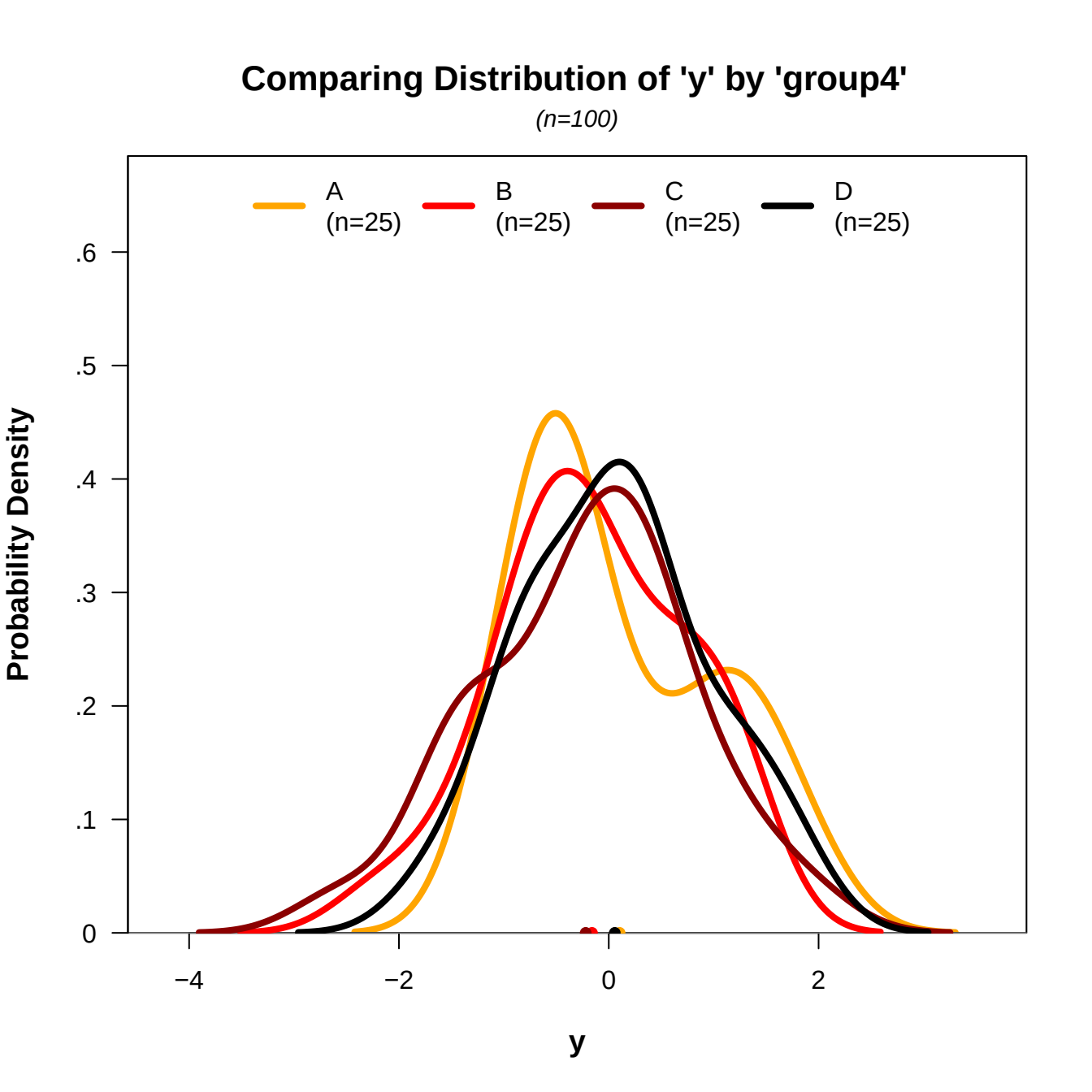

Comparing Distribution of 'y' by 'group'
(n=100)
A
(n=50)
B
(n=50)
M=0
M=0.03
Probability Density
.6
.5
.4
.3
.2
.1
0
−2
0
2
4
y

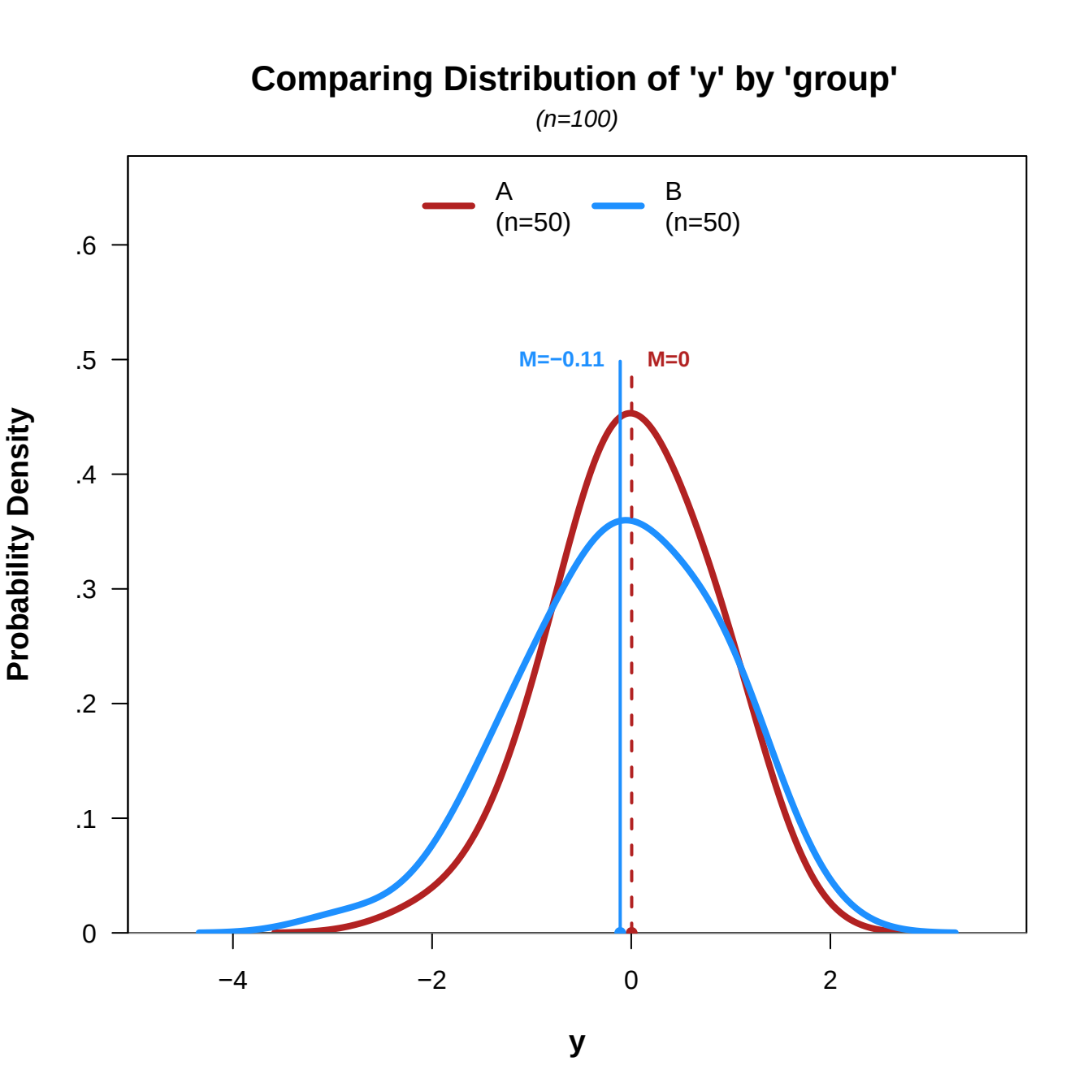

Comparing Distribution of 'y' by 'group'
(n=100)
A
(n=50)
B
(n=50)
M=−0.03
M=0.14
Probability Density
.6
.4
.2
0
−4
−2
0
2
4
y

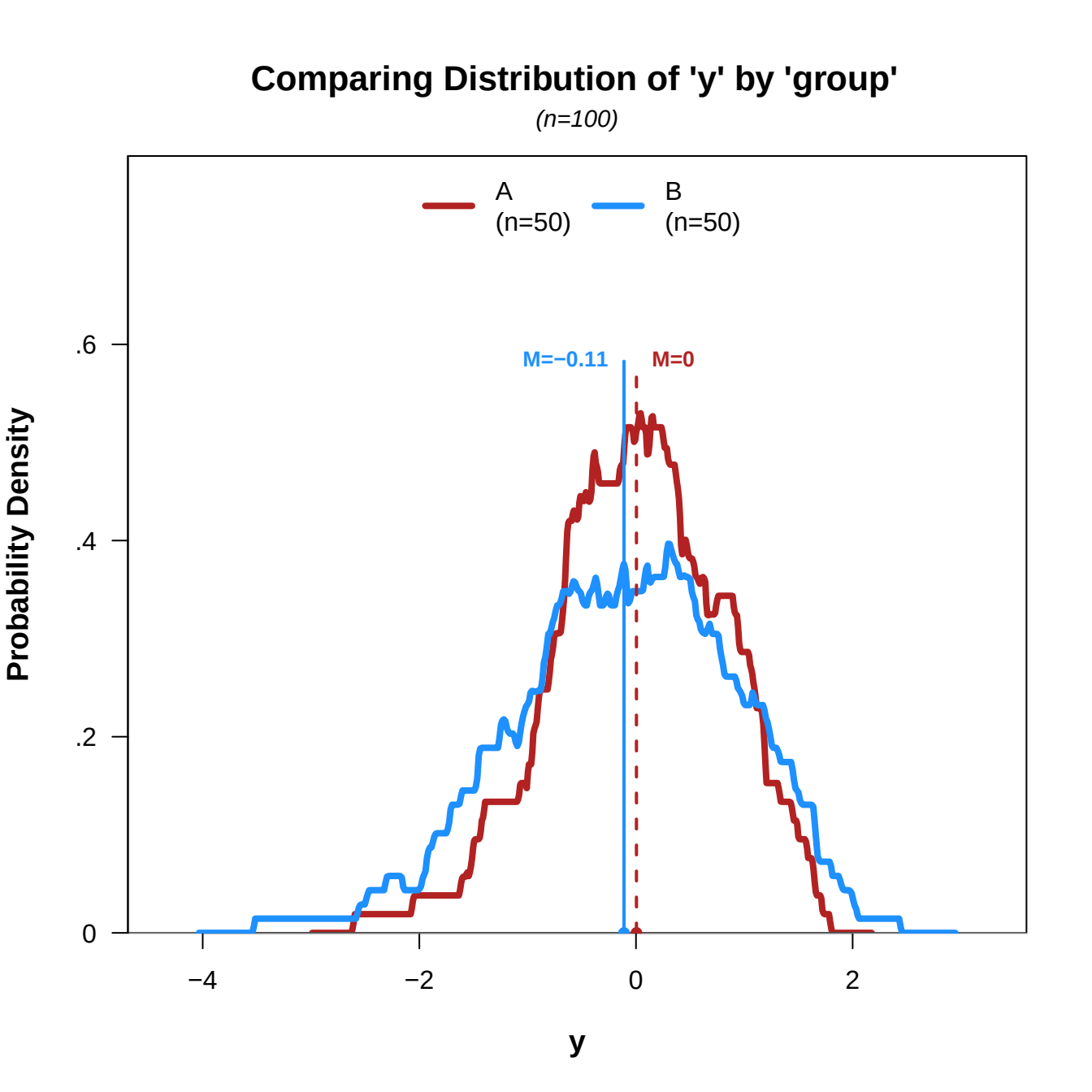

Comparing Distribution of 'y' by 'group'
(n=100)
A
(n=50)
B
(n=50)
Probability Density
.6
.4
.2
0
−4
−2
0
2
4
y

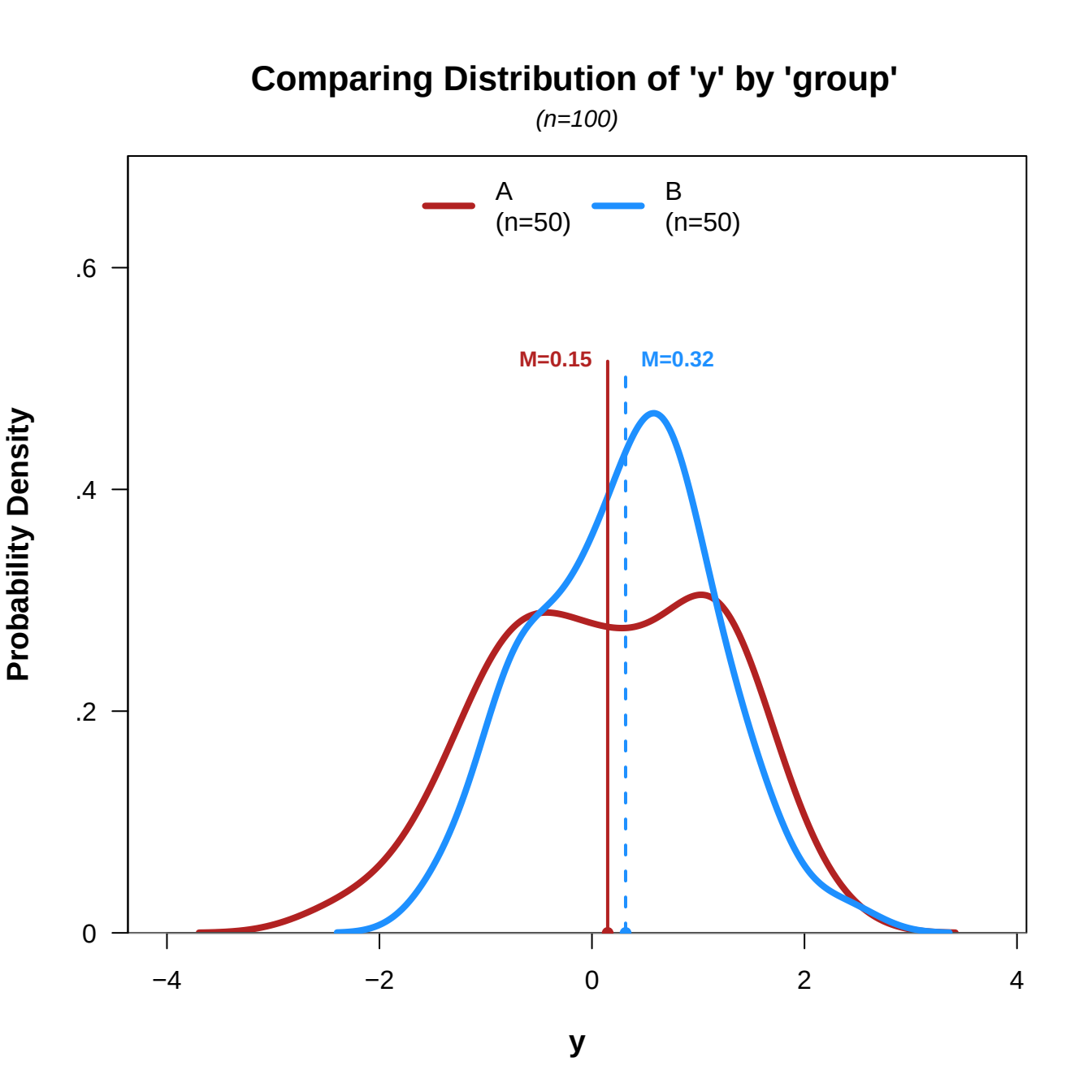

Comparing Distribution of 'y' by 'group2'
(n=100)
A
(n=50)
B
(n=50)
M=−0.06
M=−0.05
Probability Density
.6
.5
.4
.3
.2
.1
0
−4
−2
0
2
y

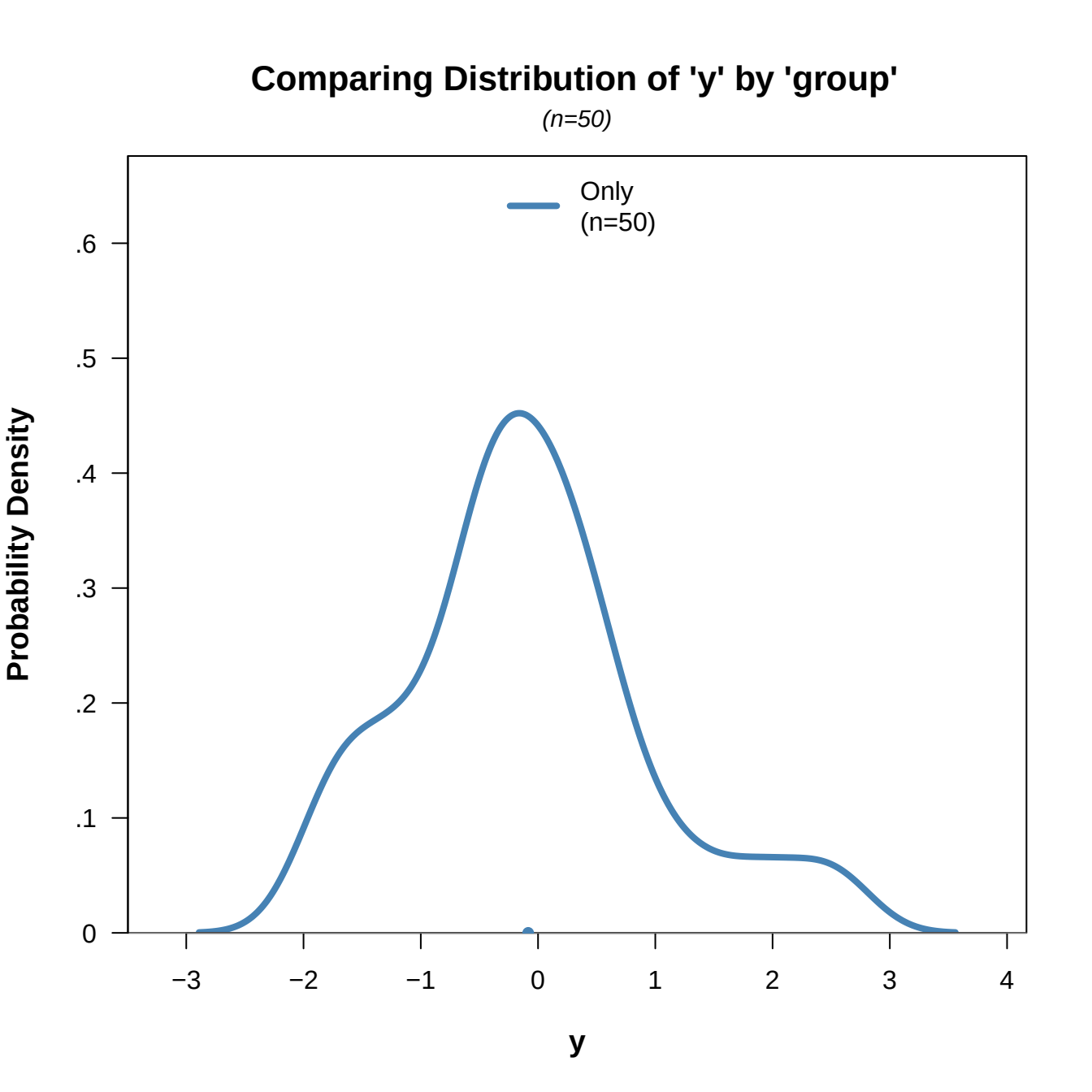

Comparing Distribution of 'y' by 'group3'
(n=100)
A
(n=30)
B
(n=40)
C
(n=30)
M=−0.25
M=0.02
M=0.13
Probability Density
.6
.5
.4
.3
.2
.1
0
−4
−2
0
2
y

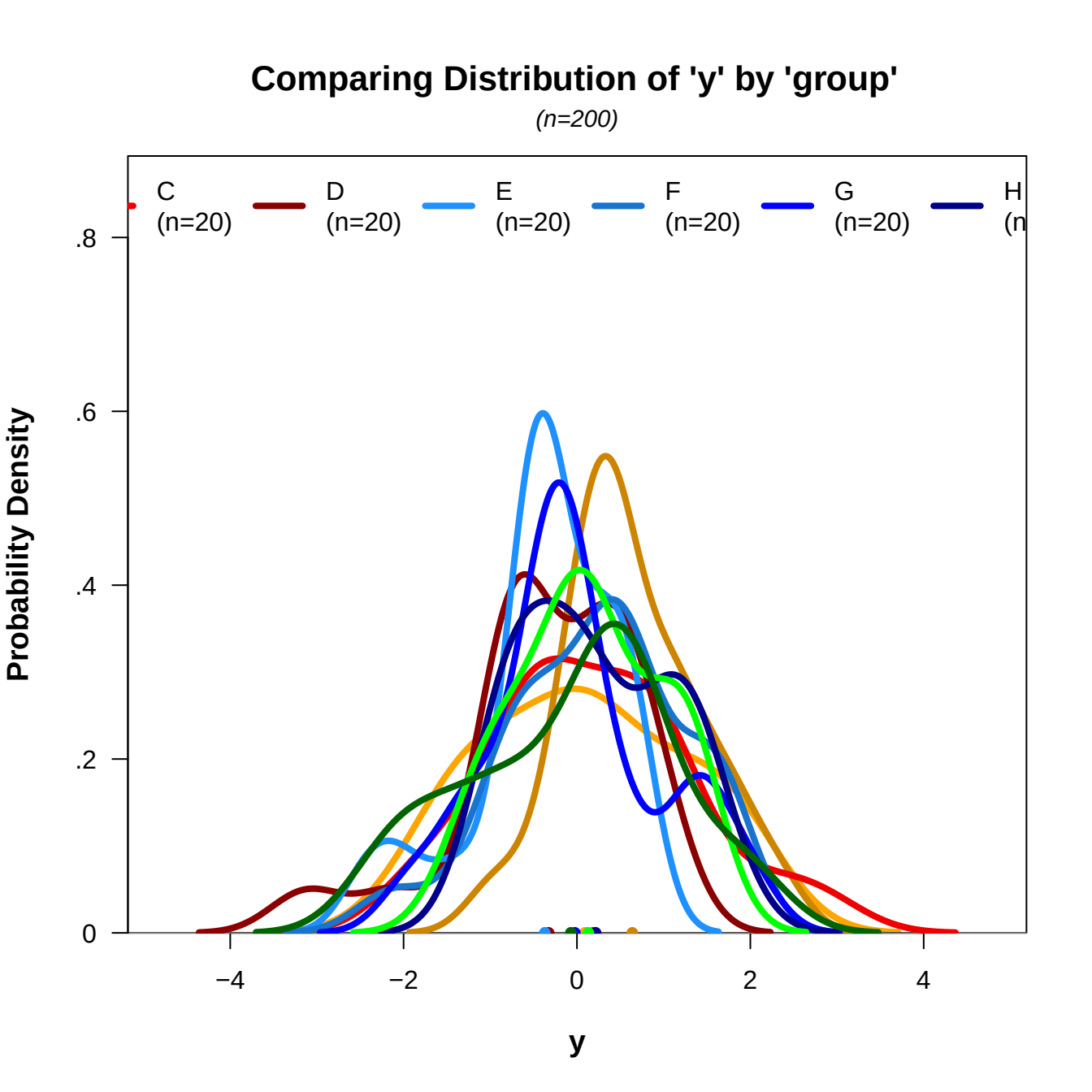

Comparing Distribution of 'y' by 'group4'
(n=100)
A
(n=25)
B
(n=25)
C
(n=25)
D
(n=25)
Probability Density
.6
.5
.4
.3
.2
.1
0
−4
−2
0
2
y

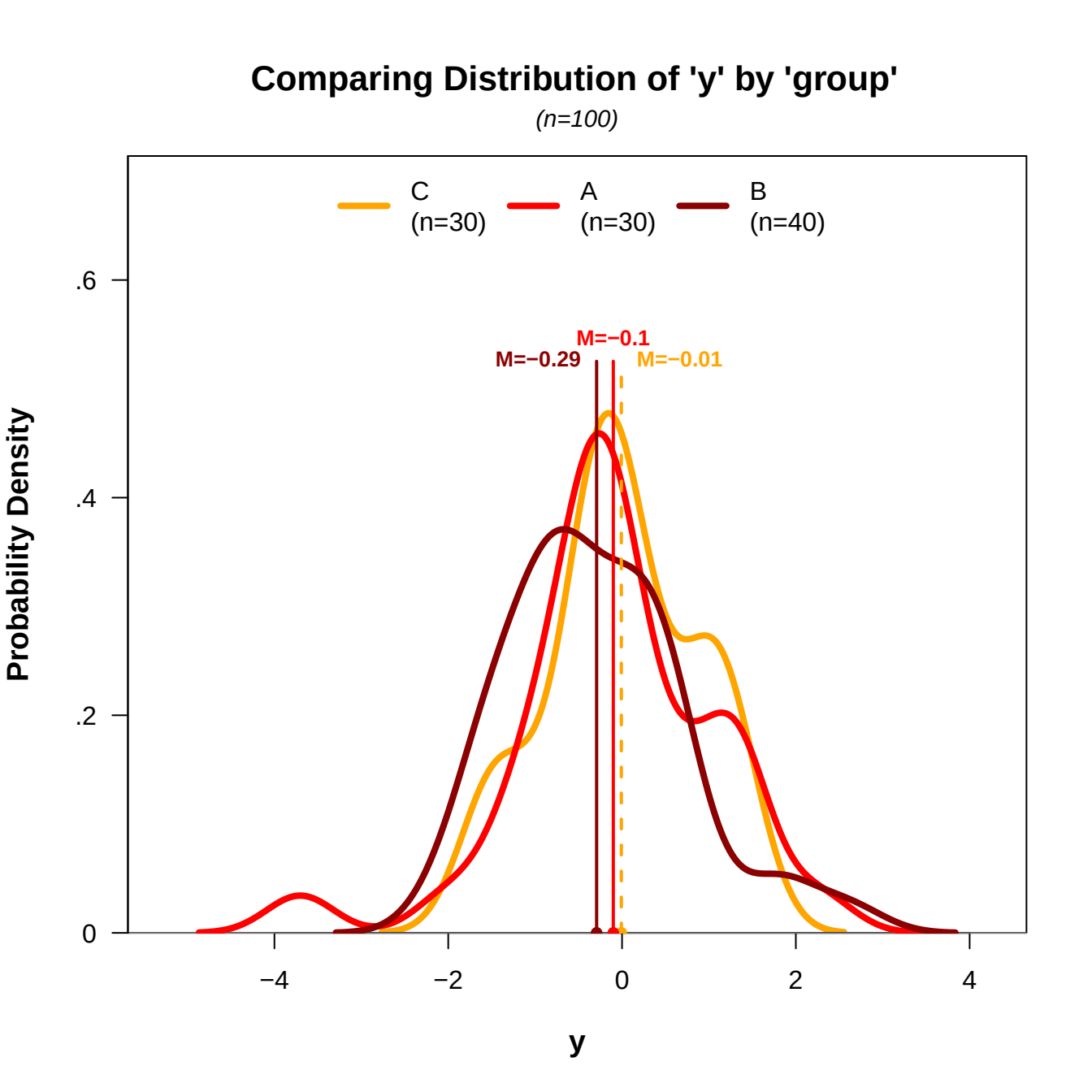

Comparing Distribution of 'y' by 'group'
(n=100)
A
(n=50)
B
(n=50)
M=−0.11
M=0
Probability Density
.6
.5
.4
.3
.2
.1
0
−4
−2
0
2
y

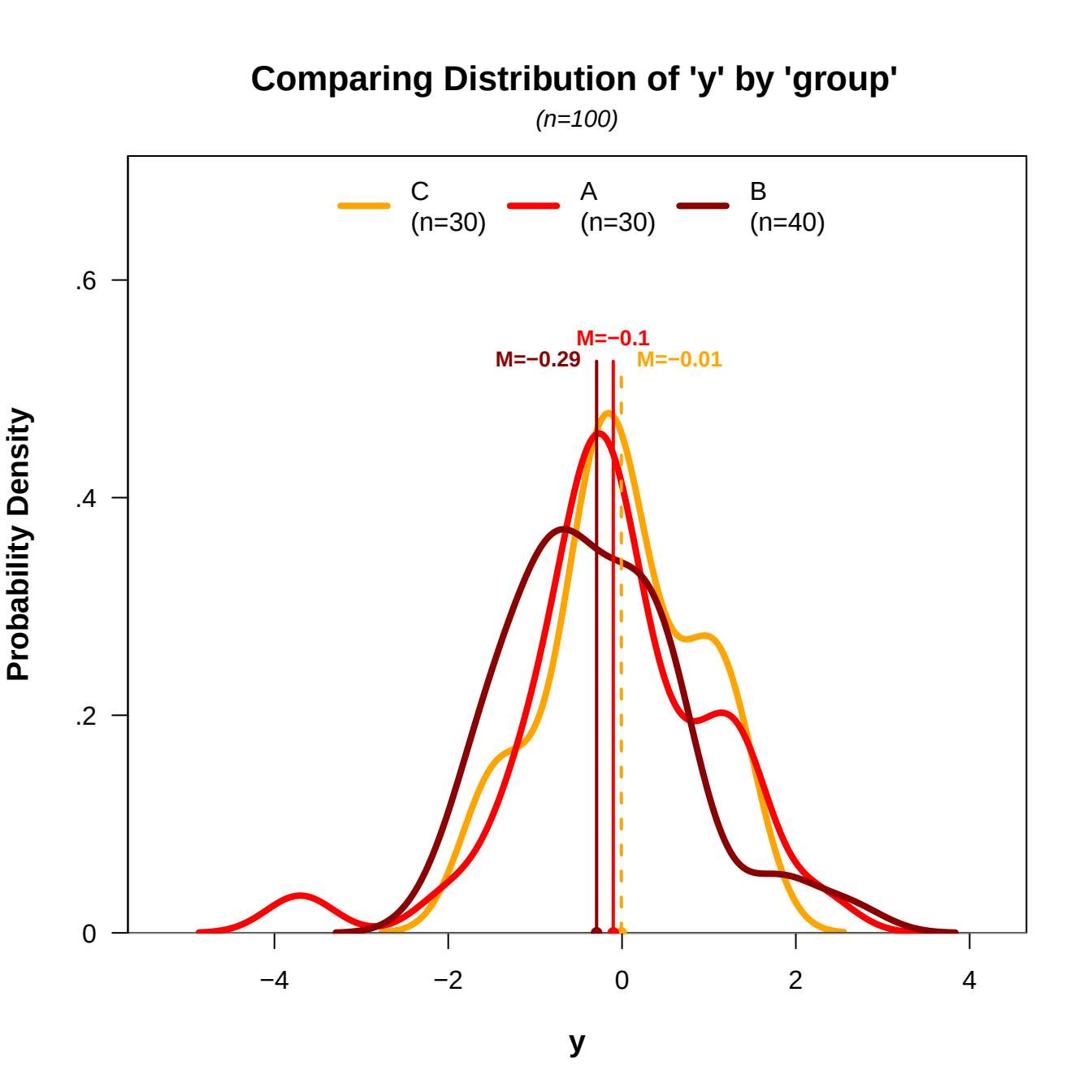

Comparing Distribution of 'y' by 'group'
(n=100)
A
(n=50)
B
(n=50)
M=−0.11
M=0
Probability Density
.6
.4
.2
0
−4
−2
0
2
y

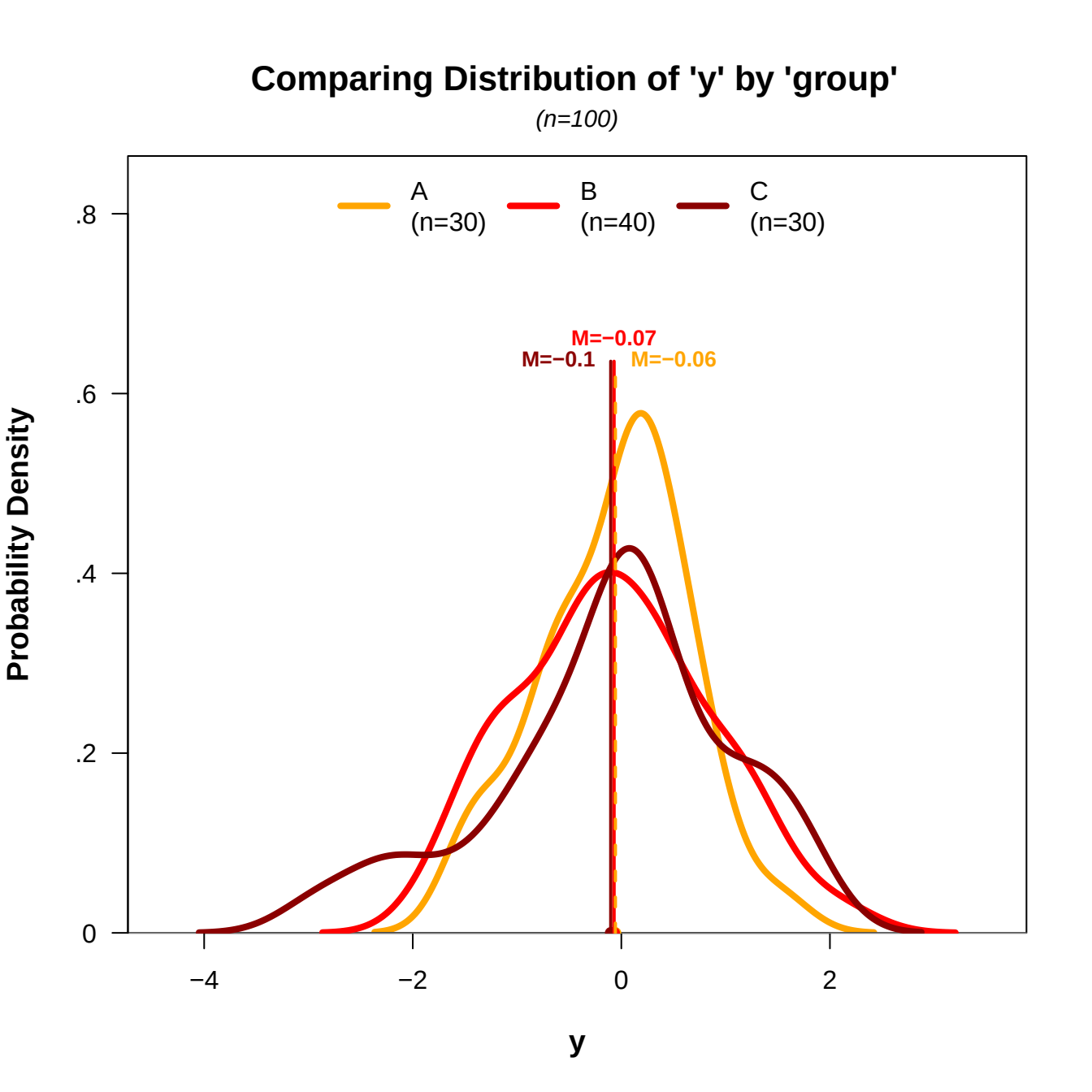

Comparing Distribution of 'y' by 'group'
(n=100)
A
(n=50)
B
(n=50)
M=0.15
M=0.32
Probability Density
.6
.4
.2
0
−4
−2
0
2
4
y

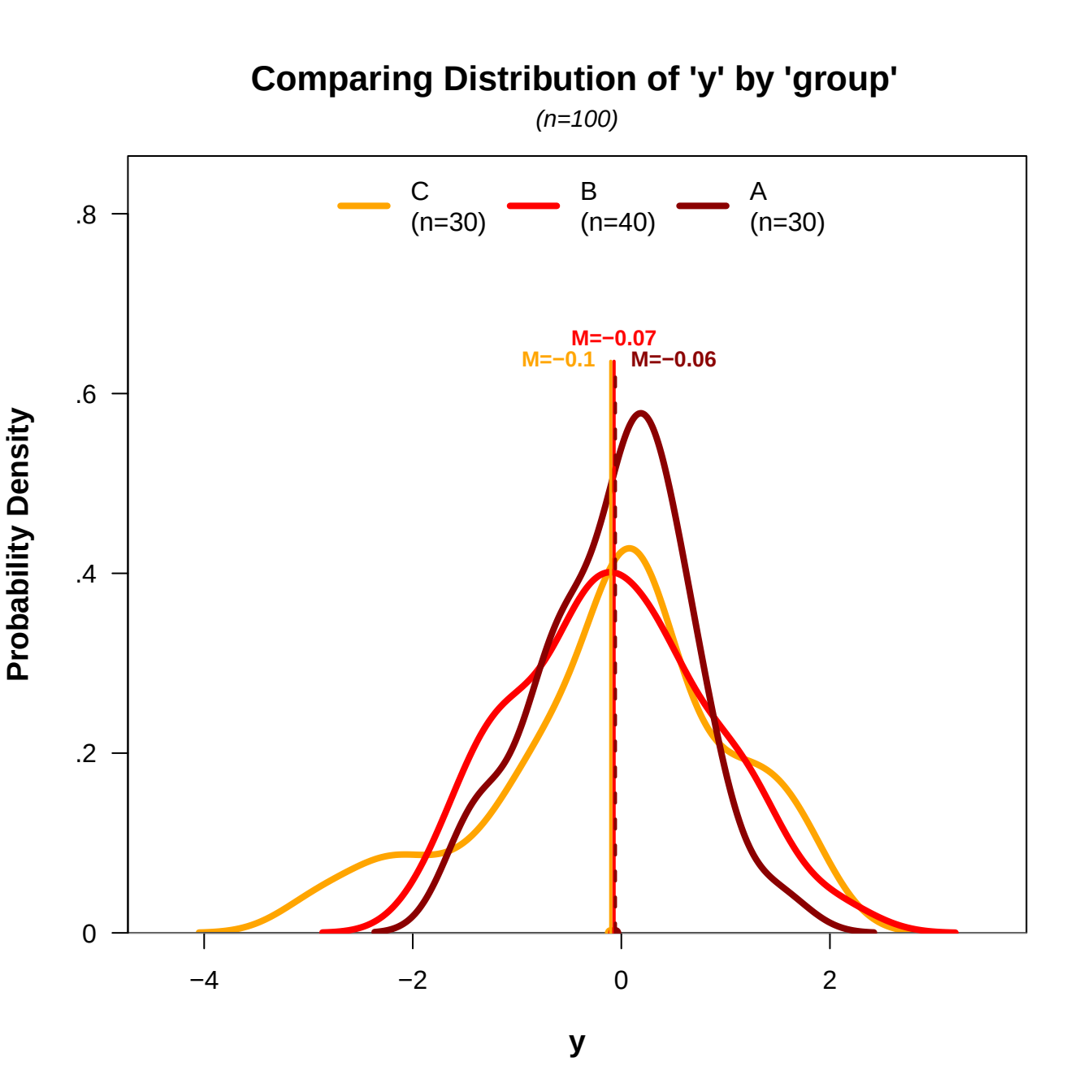

Comparing Distribution of 'y' by 'group'
(n=50)
Only
(n=50)
Probability Density
.6
.5
.4
.3
.2
.1
0
−3
−2
−1
0
1
2
3
4
y

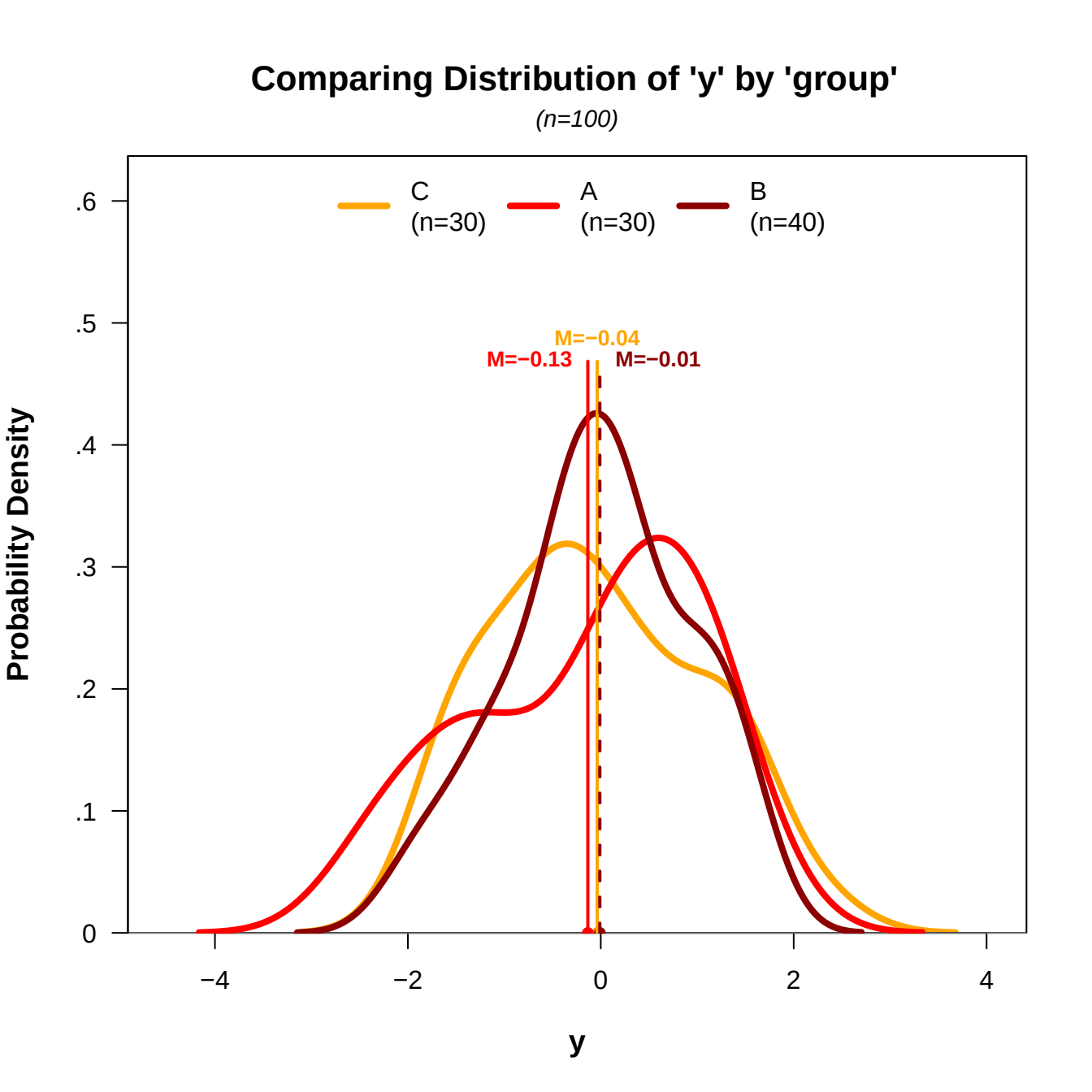

Comparing Distribution of 'y' by 'group'
(n=200)
C
(n=20)
D
(n=20)
E
(n=20)
F
(n=20)
G
(n=20)
H
(n
Probability Density
.8
.6
.4
.2
0
−4
−2
0
2
4
y

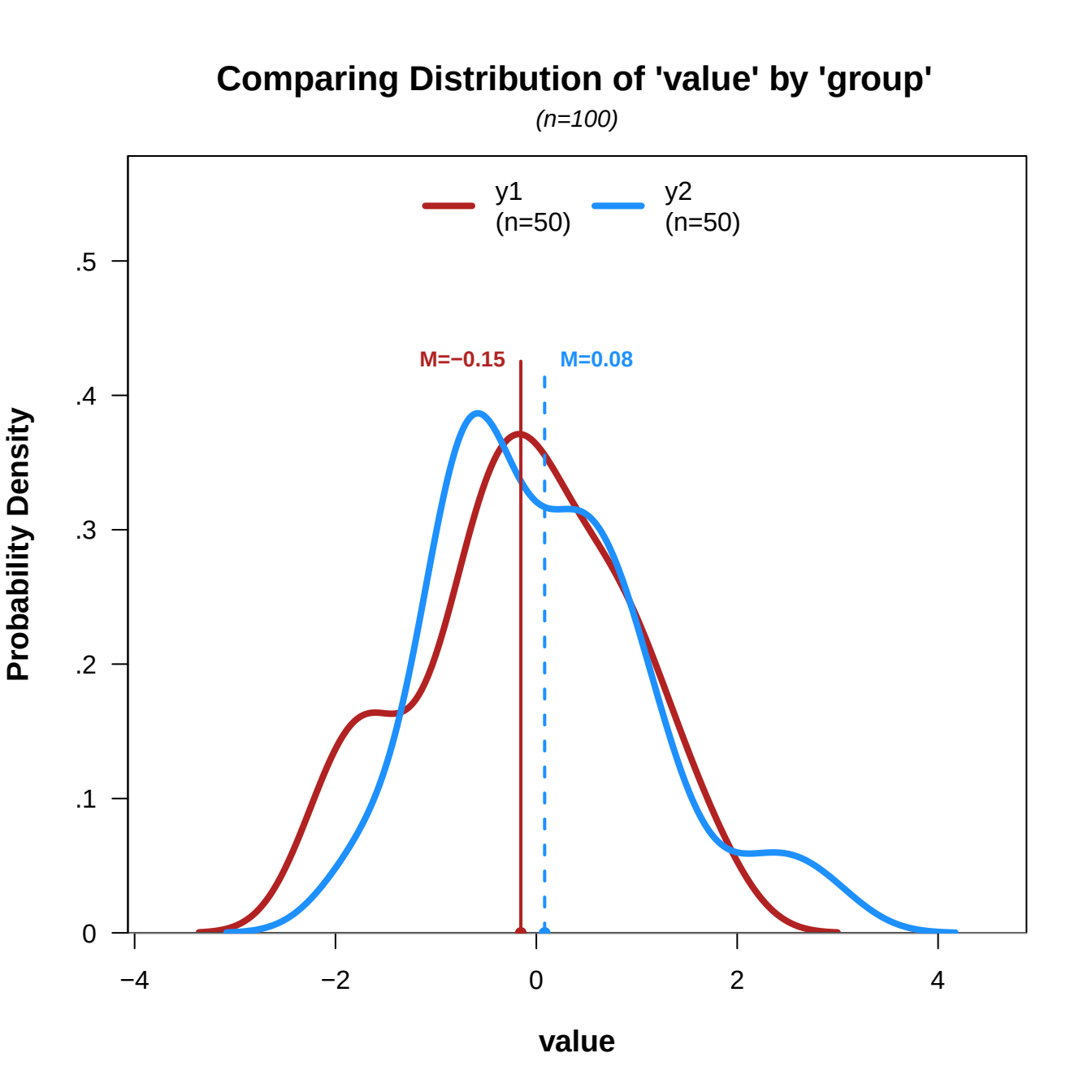

Comparing Distribution of 'y' by 'group'
(n=100)
C
(n=30)
A
(n=30)
B
(n=40)
M=−0.1
M=−0.29
M=−0.01
Probability Density
.6
.4
.2
0
−4
−2
0
2
4
y

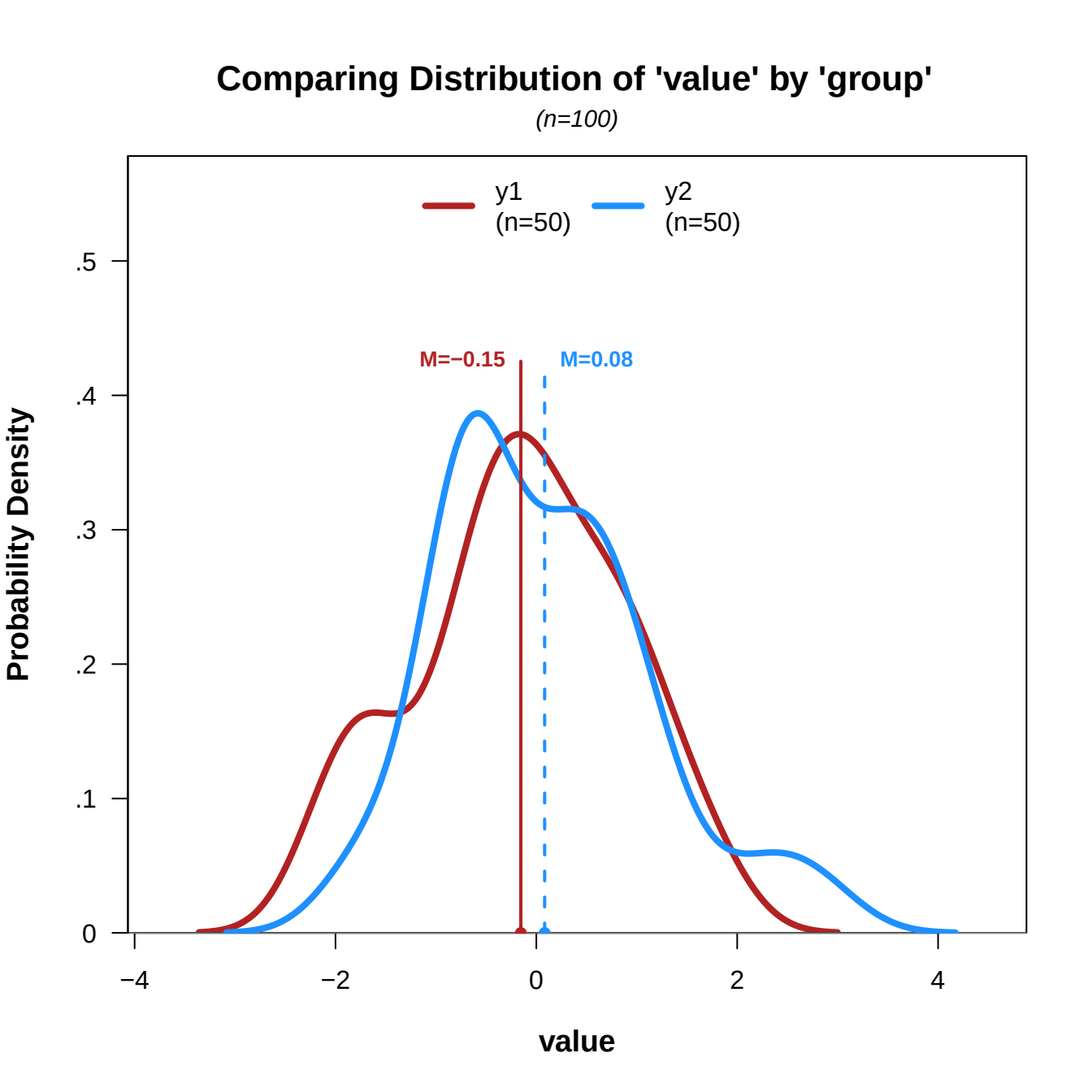

Comparing Distribution of 'y' by 'group'
(n=100)
C
(n=30)
A
(n=30)
B
(n=40)
M=−0.1
M=−0.29
M=−0.01
Probability Density
.6
.4
.2
0
−4
−2
0
2
4
y

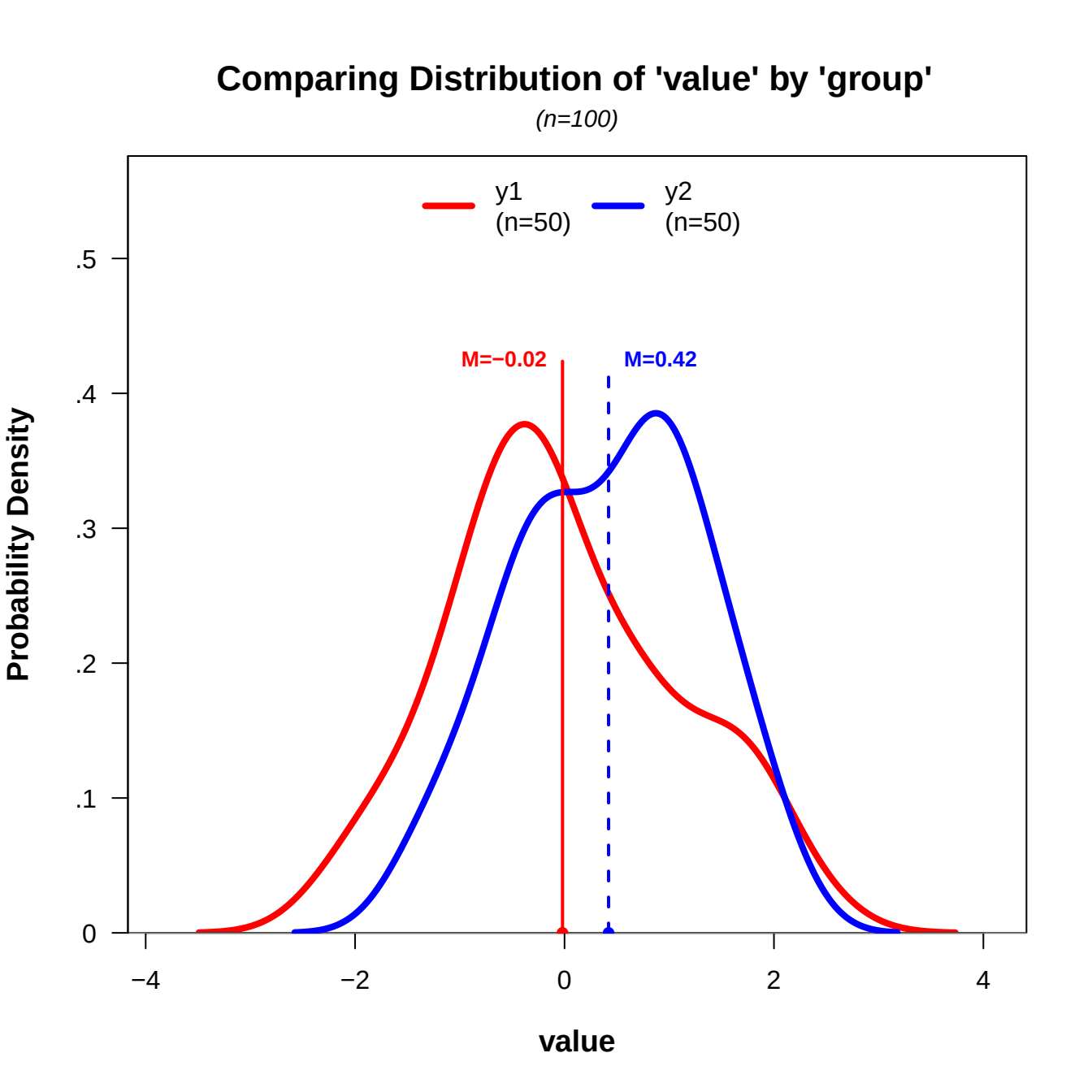

Comparing Distribution of 'y' by 'group'
(n=100)
A
(n=30)
B
(n=40)
C
(n=30)
M=−0.07
M=−0.1
M=−0.06
Probability Density
.8
.6
.4
.2
0
−4
−2
0
2
y

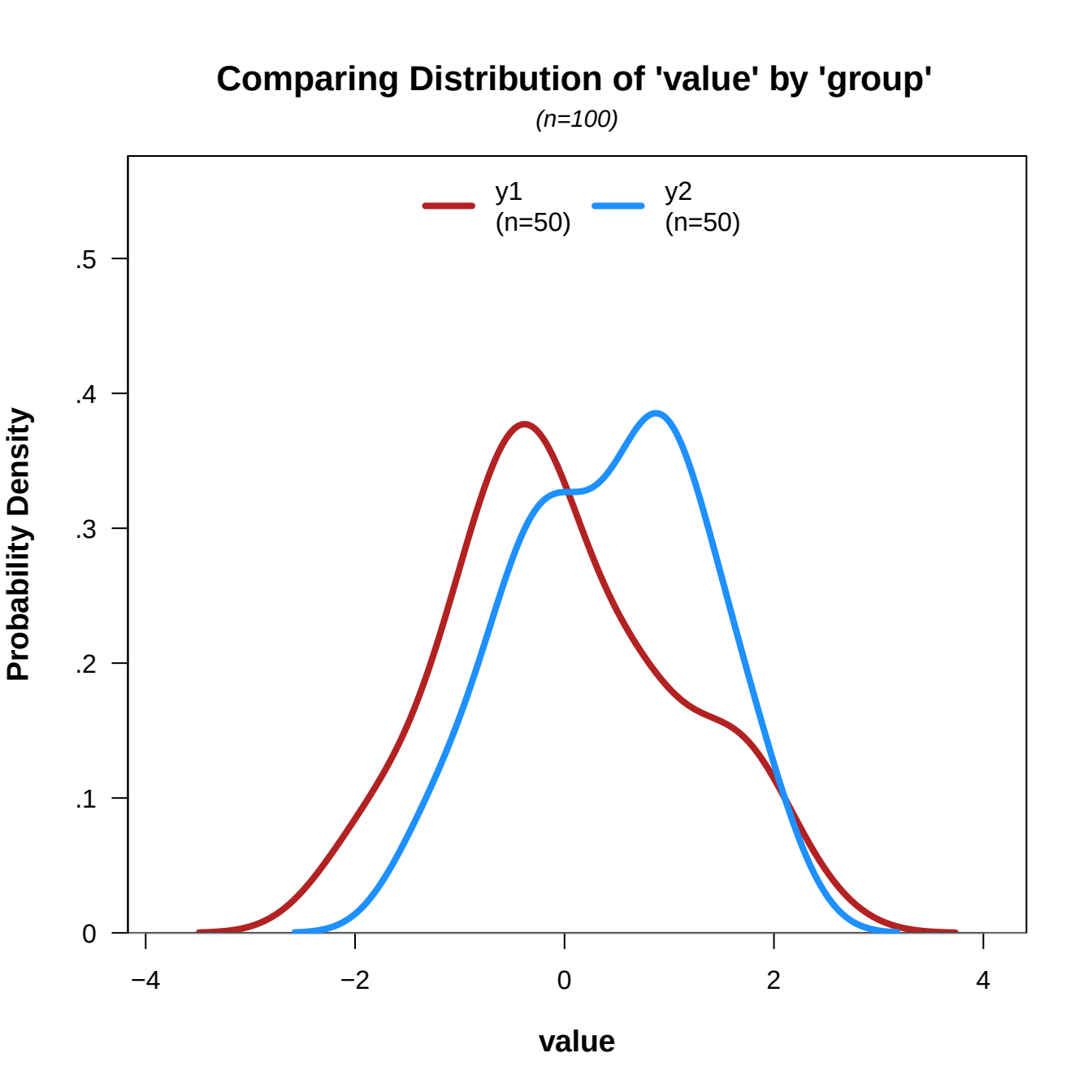

Comparing Distribution of 'y' by 'group'
(n=100)
C
(n=30)
B
(n=40)
A
(n=30)
M=−0.07
M=−0.1
M=−0.06
Probability Density
.8
.6
.4
.2
0
−4
−2
0
2
y

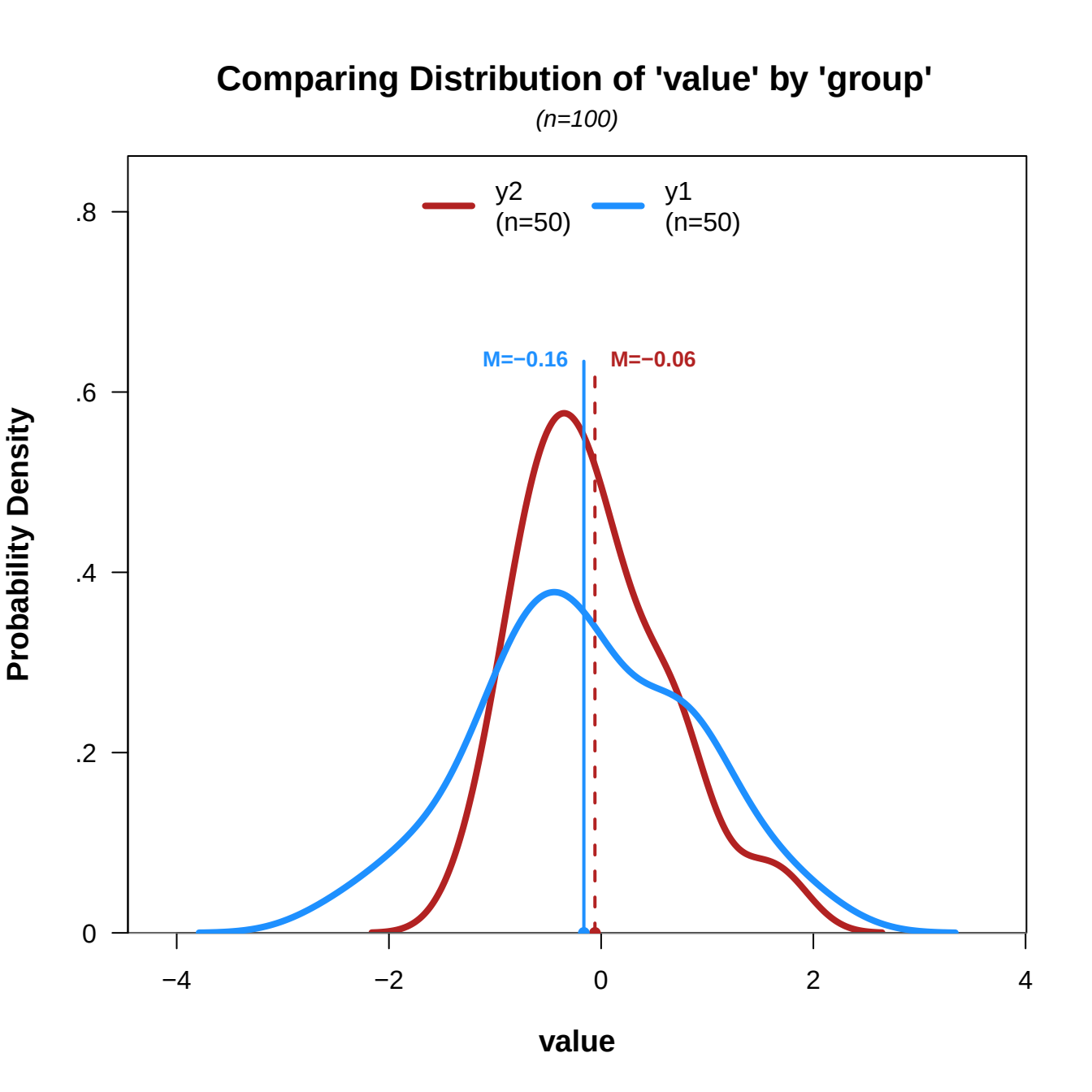

Comparing Distribution of 'y' by 'group'
(n=100)
C
(n=30)
A
(n=30)
B
(n=40)
M=−0.04
M=−0.13
M=−0.01
Probability Density
.6
.5
.4
.3
.2
.1
0
−4
−2
0
2
4
y

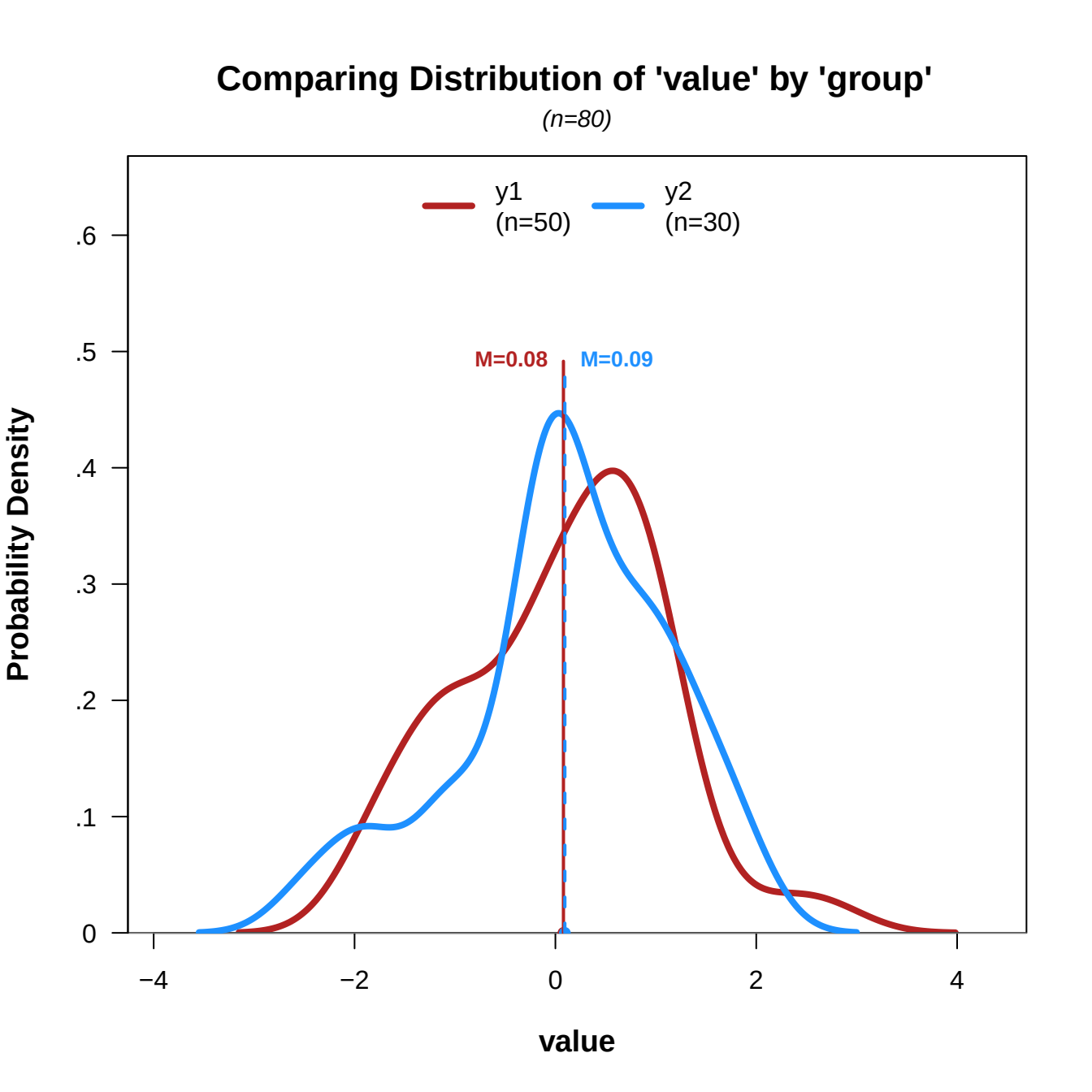

Comparing Distribution of 'value' by 'group'
(n=100)
y1
(n=50)
y2
(n=50)
M=−0.15
M=0.08
Probability Density
.5
.4
.3
.2
.1
0
−4
−2
0
2
4
value

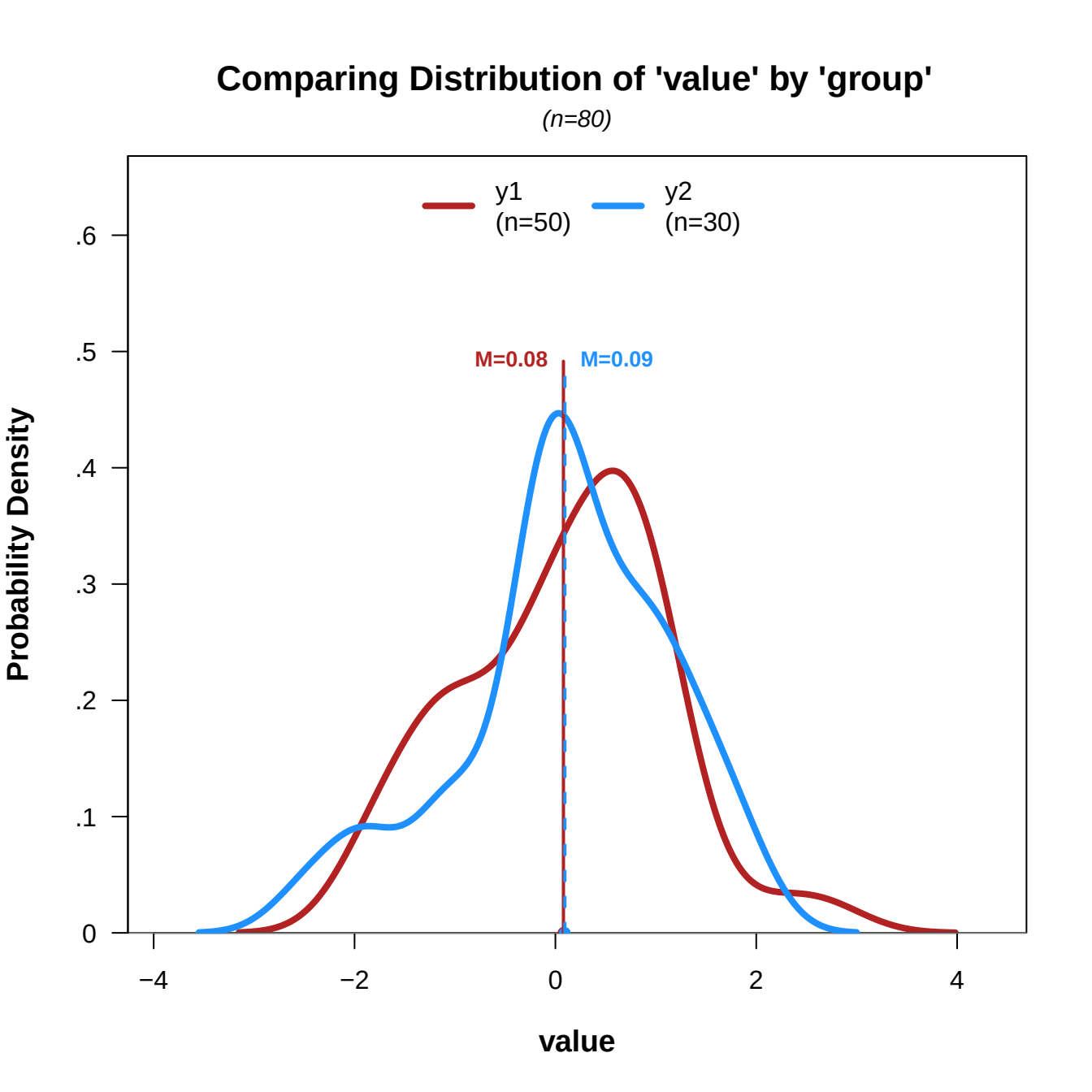

Comparing Distribution of 'value' by 'group'
(n=100)
y1
(n=50)
y2
(n=50)
M=−0.15
M=0.08
Probability Density
.5
.4
.3
.2
.1
0
−4
−2
0
2
4
value

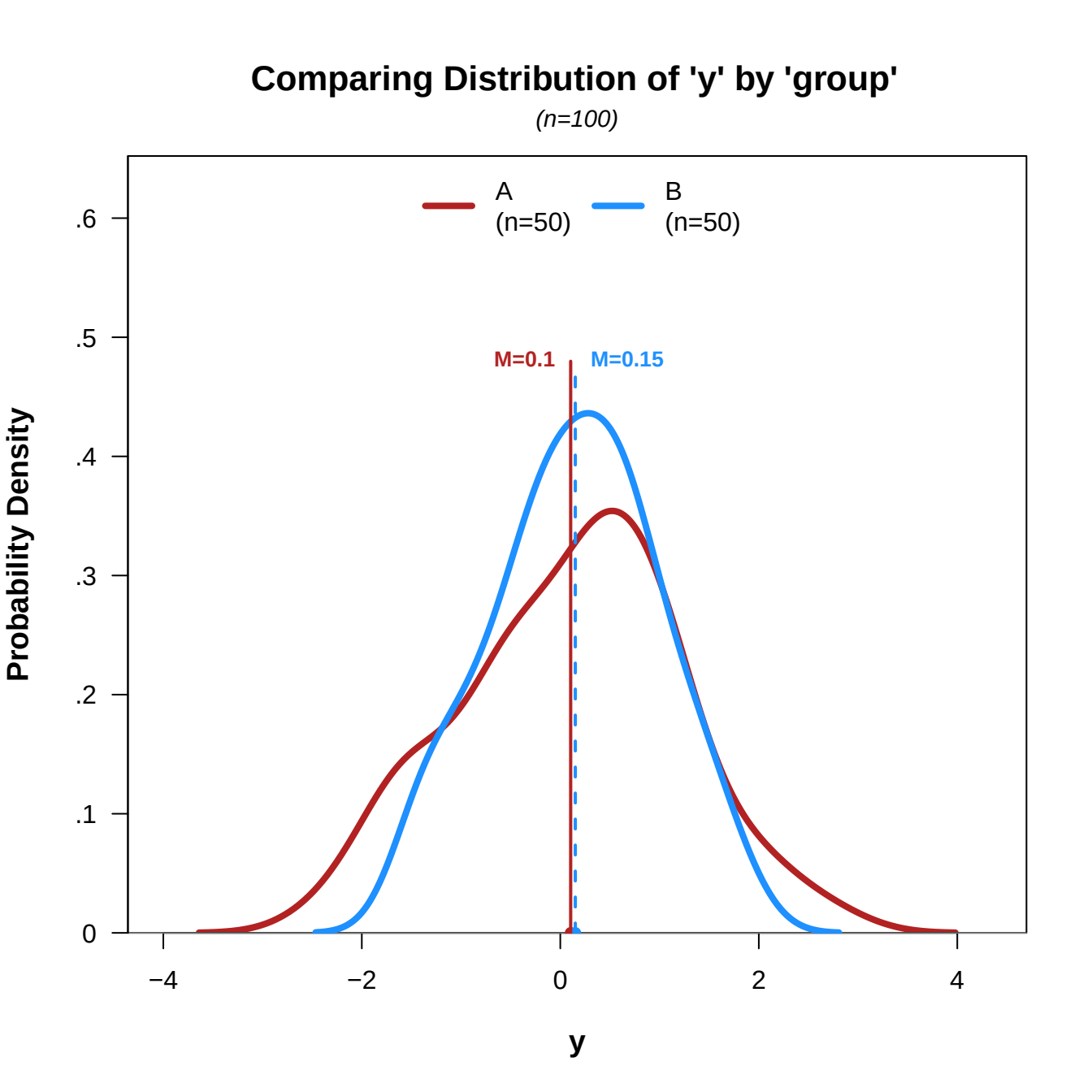

Comparing Distribution of 'value' by 'group'
(n=100)
y1
(n=50)
y2
(n=50)
M=−0.02
M=0.42
Probability Density
.5
.4
.3
.2
.1
0
−4
−2
0
2
4
value

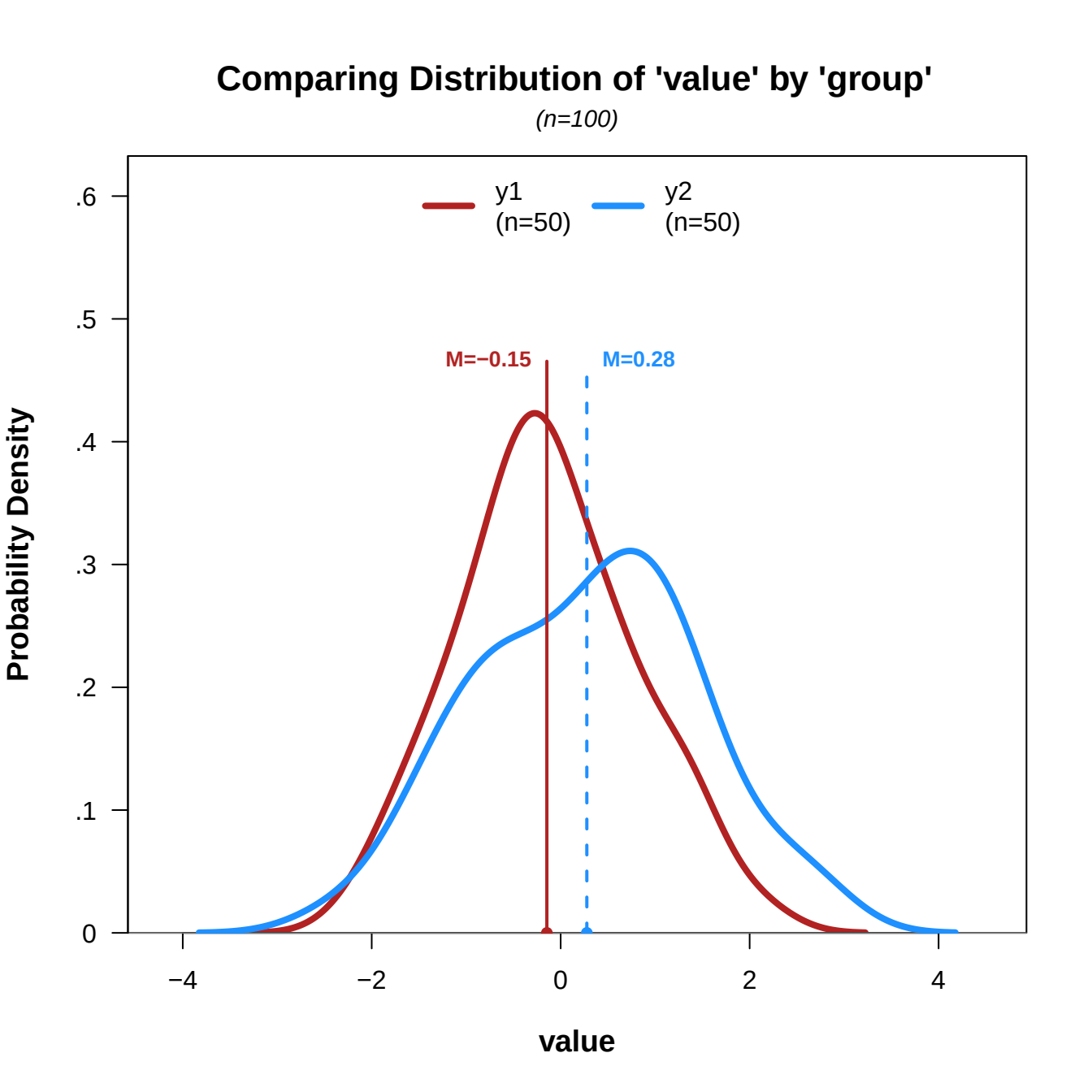

Comparing Distribution of 'value' by 'group'
(n=100)
y1
(n=50)
y2
(n=50)
Probability Density
.5
.4
.3
.2
.1
0
−4
−2
0
2
4
value

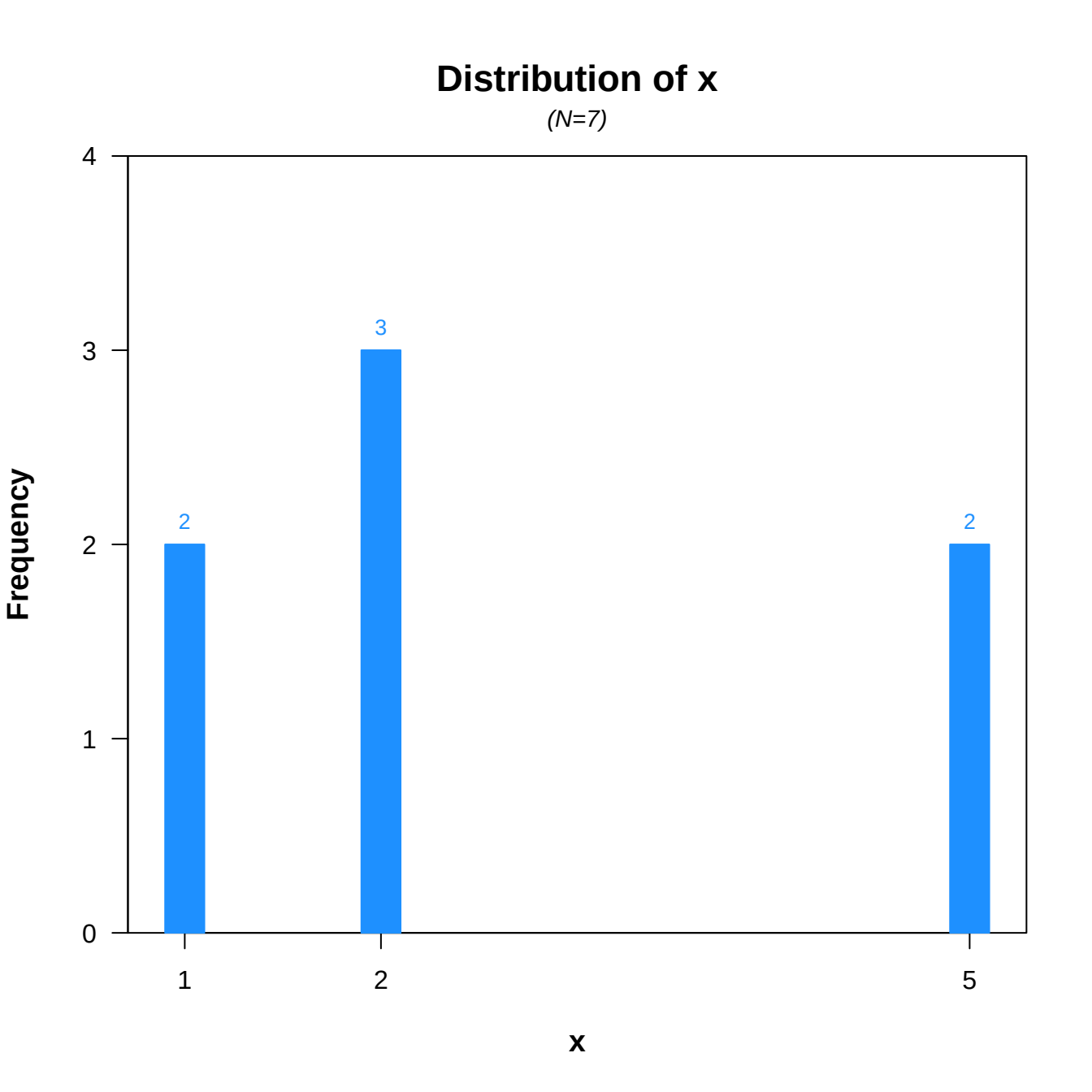

Comparing Distribution of 'value' by 'group'
(n=100)
y2
(n=50)
y1
(n=50)
M=−0.16
M=−0.06
Probability Density
.8
.6
.4
.2
0
−4
−2
0
2
4
value

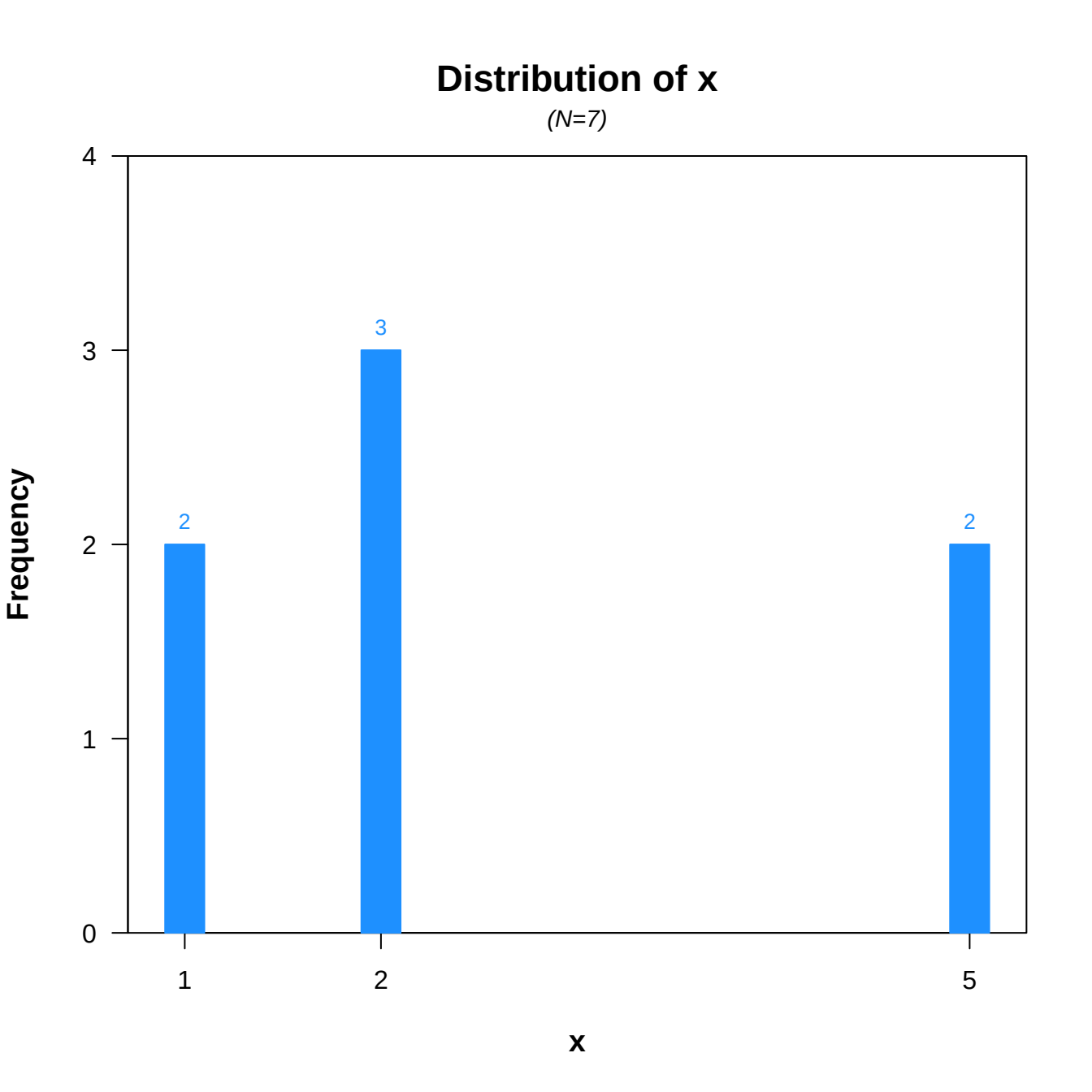

Comparing Distribution of 'value' by 'group'
(n=80)
y1
(n=50)
y2
(n=30)
M=0.08
M=0.09
Probability Density
.6
.5
.4
.3
.2
.1
0
−4
−2
0
2
4
value

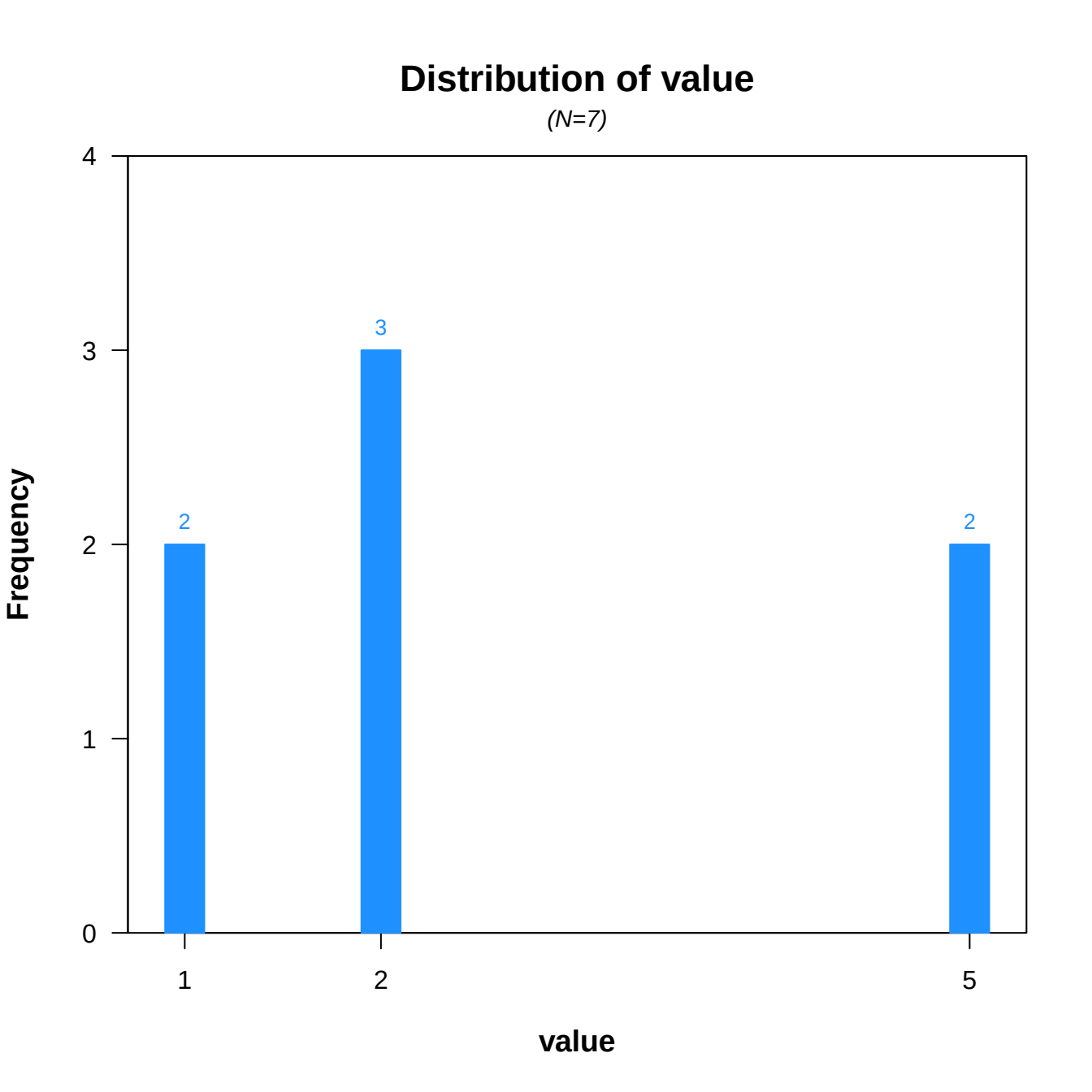

Comparing Distribution of 'value' by 'group'
(n=80)
y1
(n=50)
y2
(n=30)
M=0.08
M=0.09
Probability Density
.6
.5
.4
.3
.2
.1
0
−4
−2
0
2
4
value

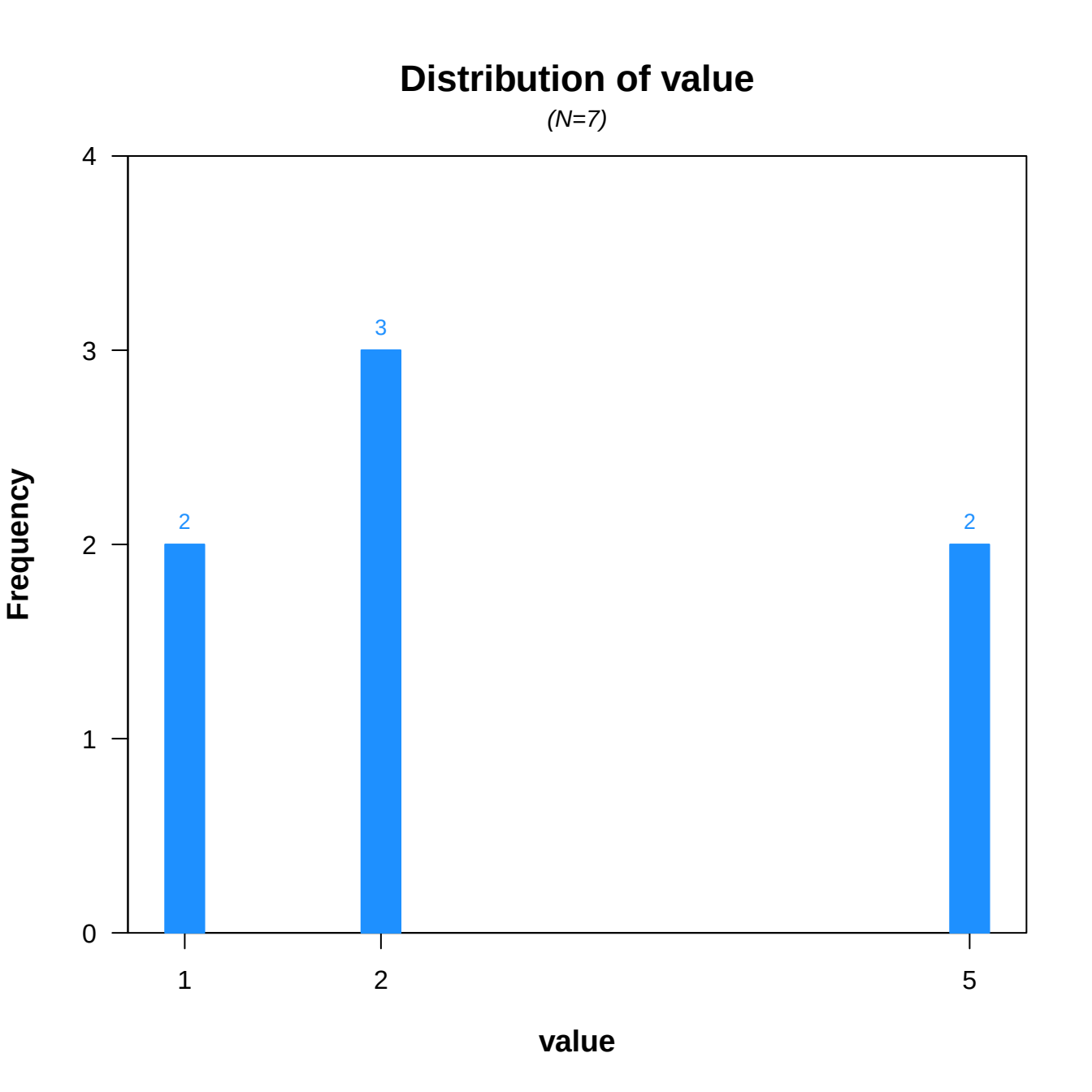

Comparing Distribution of 'y' by 'group'
(n=100)
A
(n=50)
B
(n=50)
M=0.1
M=0.15
Probability Density
.6
.5
.4
.3
.2
.1
0
−4
−2
0
2
4
y

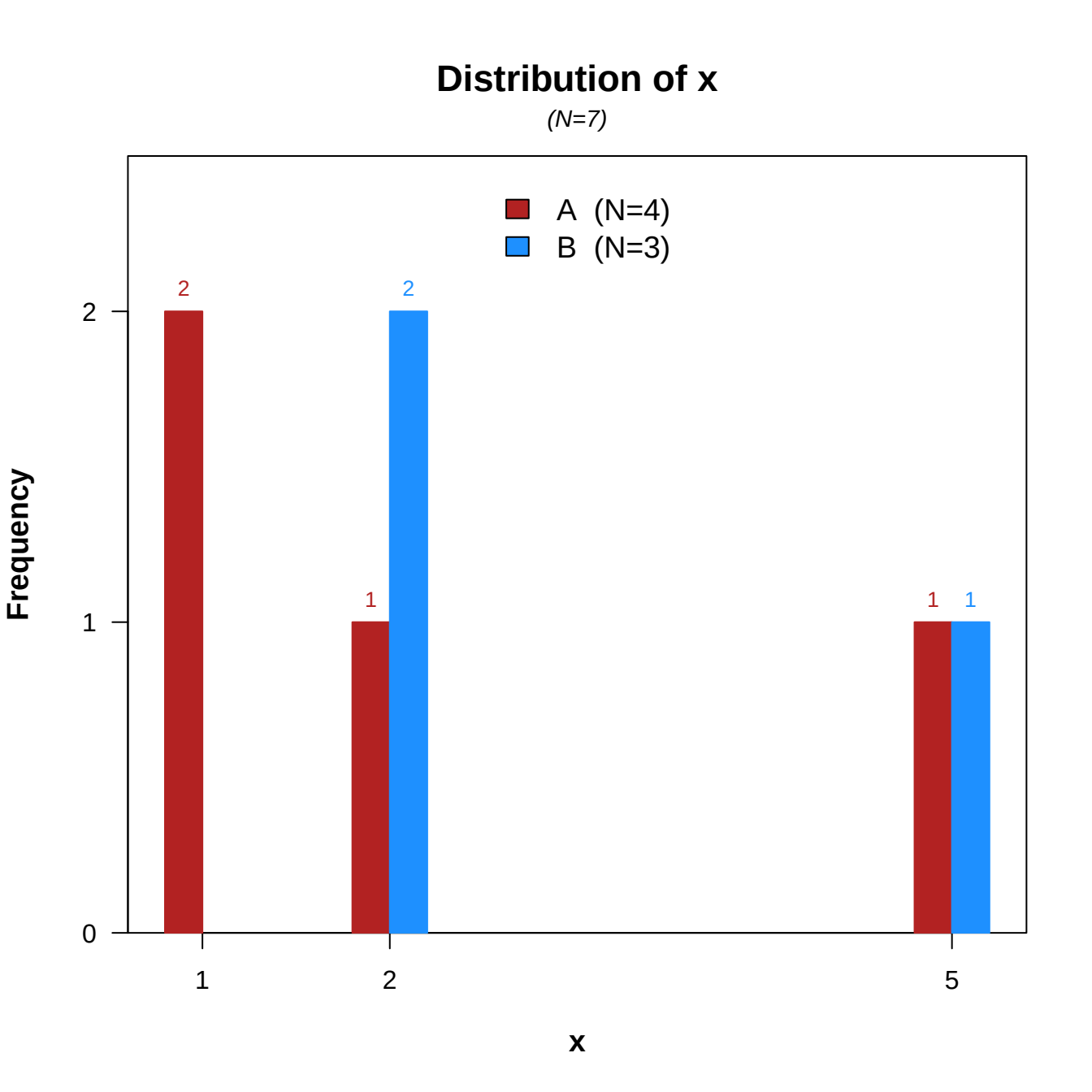

Comparing Distribution of 'value' by 'group'
(n=100)
y1
(n=50)
y2
(n=50)
M=−0.15
M=0.28
Probability Density
.6
.5
.4
.3
.2
.1
0
−4
−2
0
2
4
value

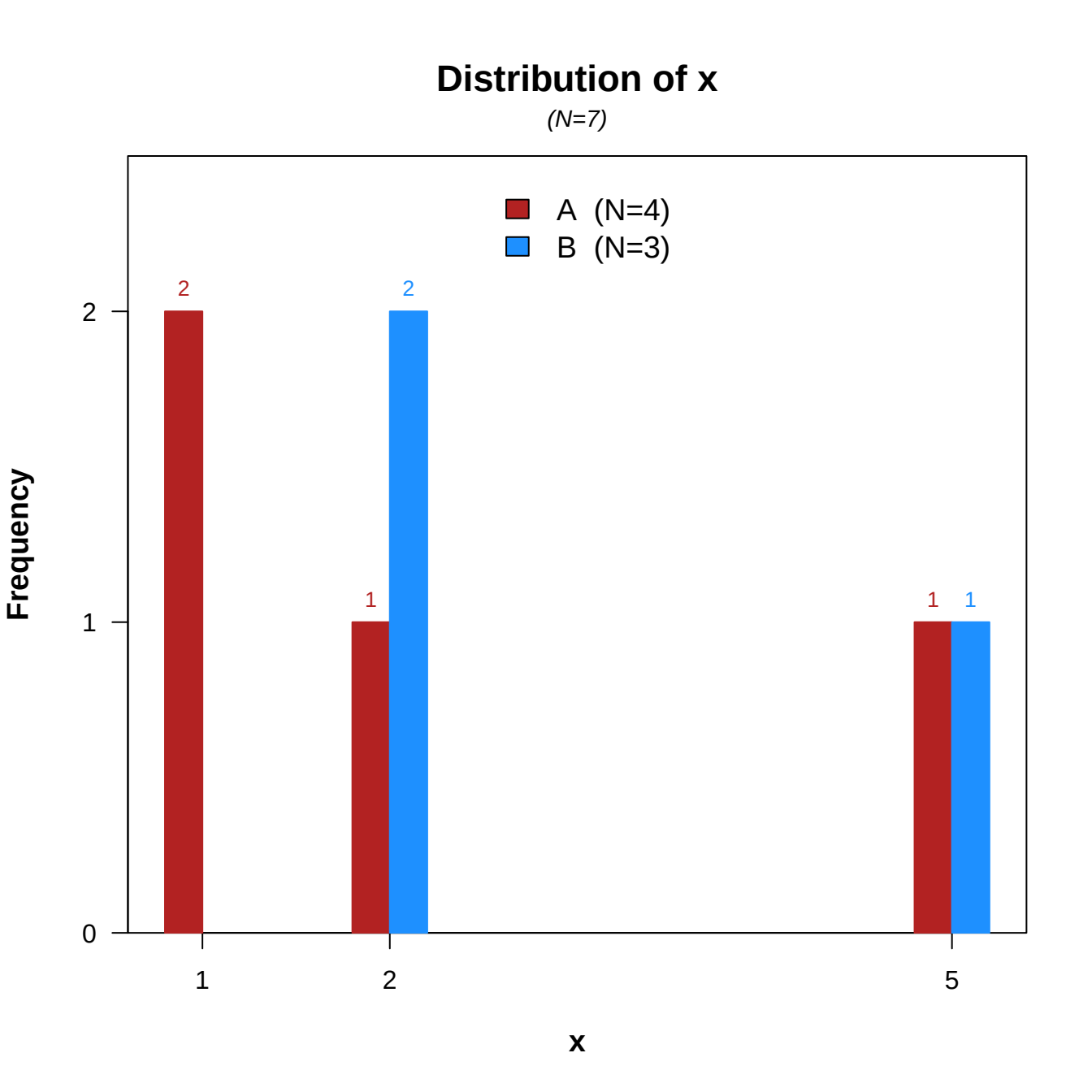

Distribution of x
(N=7)
Frequency
4
3
2
1
0
2
3
2
1
2
5
x

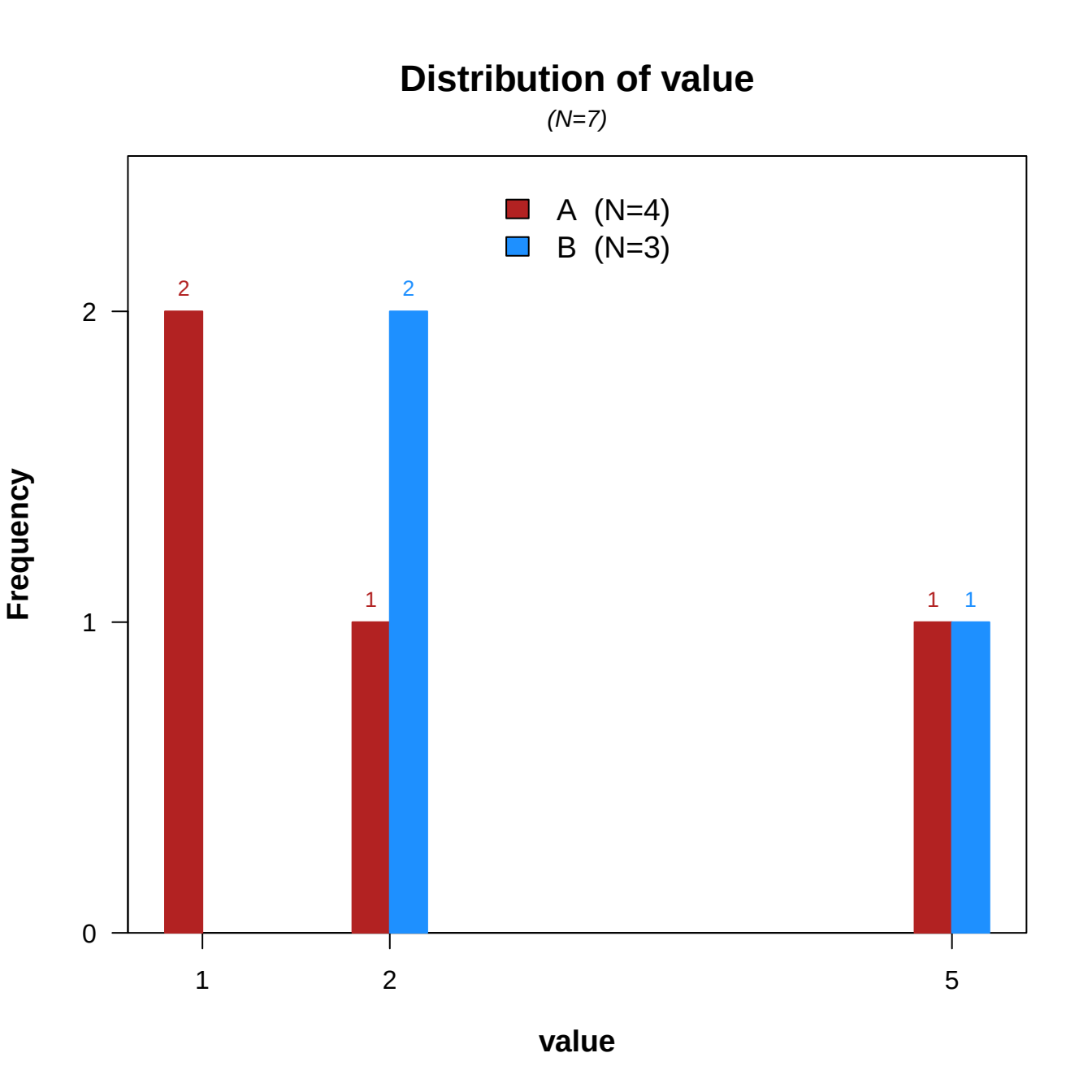

Distribution of x
(N=7)
Frequency
4
3
2
1
0
2
3
2
1
2
5
x

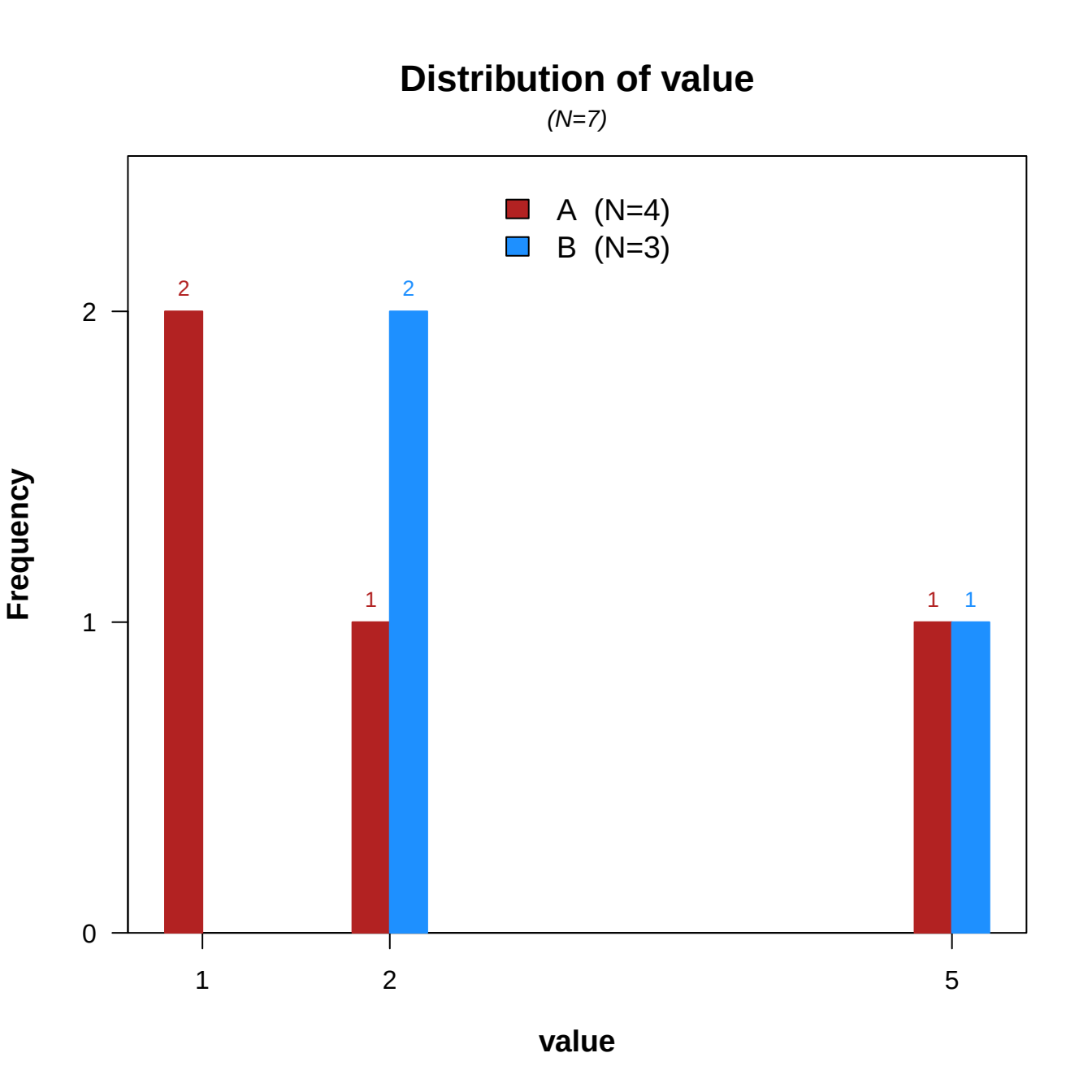

Distribution of value
(N=7)
Frequency
4
3
2
1
0
2
3
2
1
2
5
value

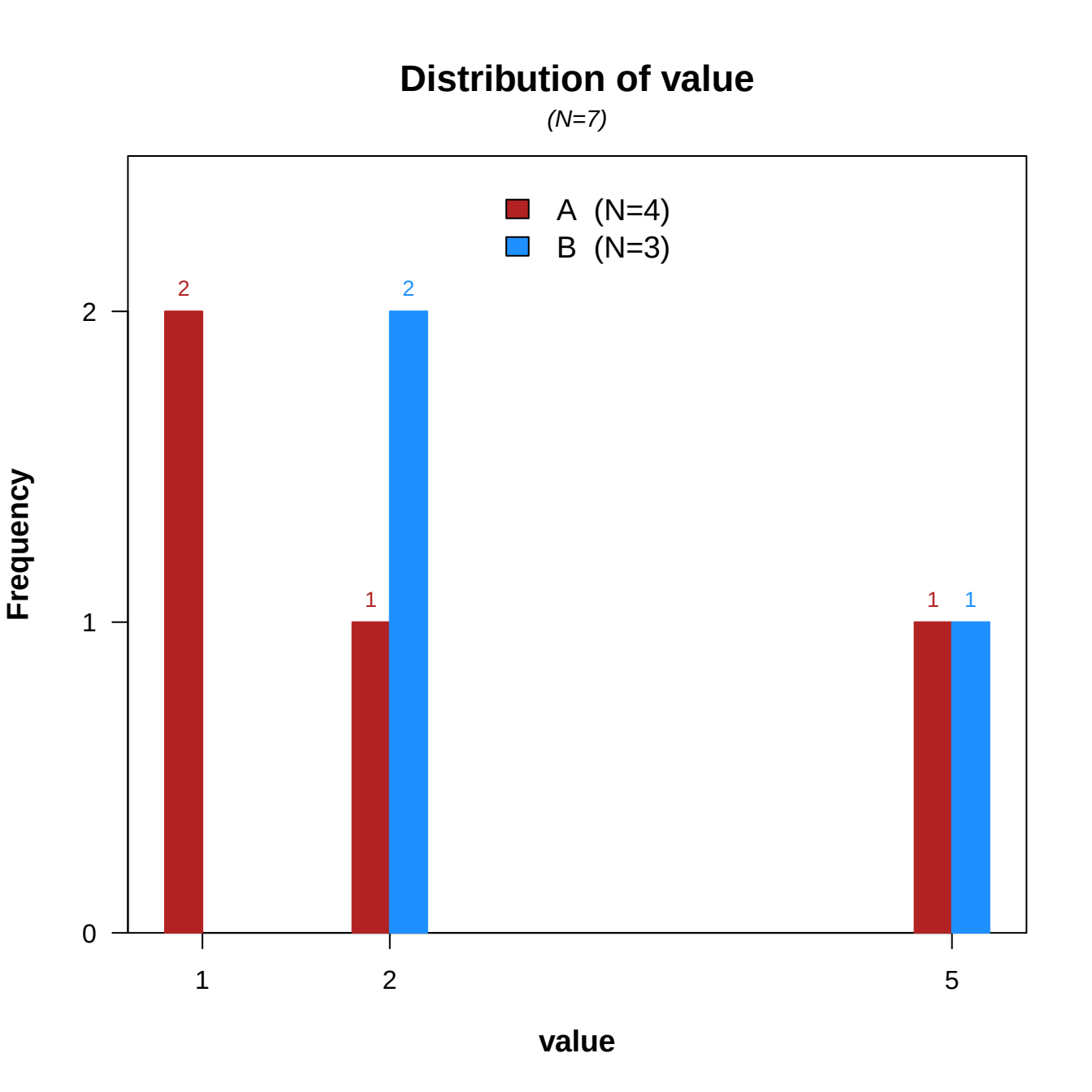

Distribution of value
(N=7)
Frequency
4
3
2
1
0
2
3
2
1
2
5
value

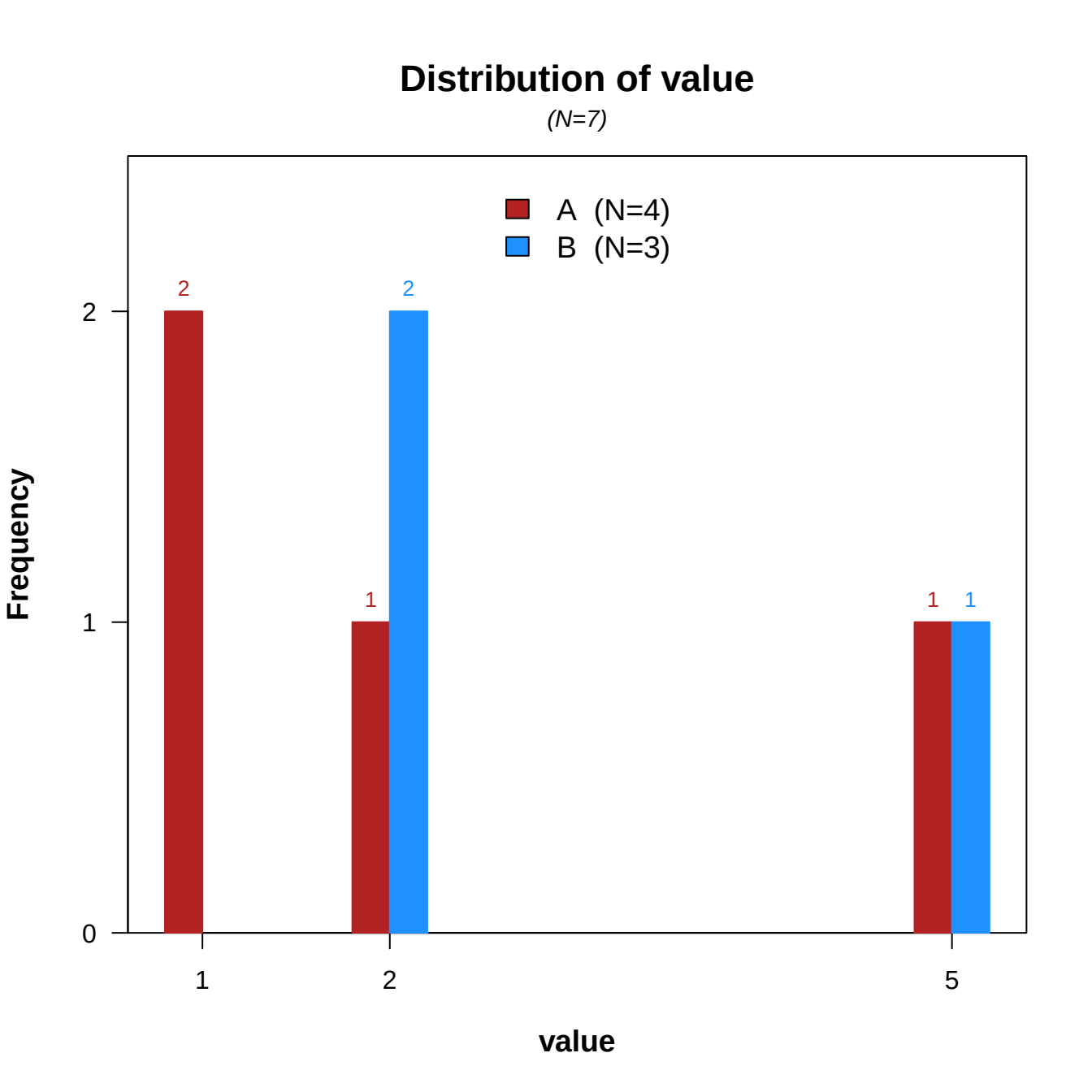

Distribution of x
(N=7)
A (N=4)
B (N=3)
Frequency
0
1
2
2
2
1
1
1
1
2
5
x

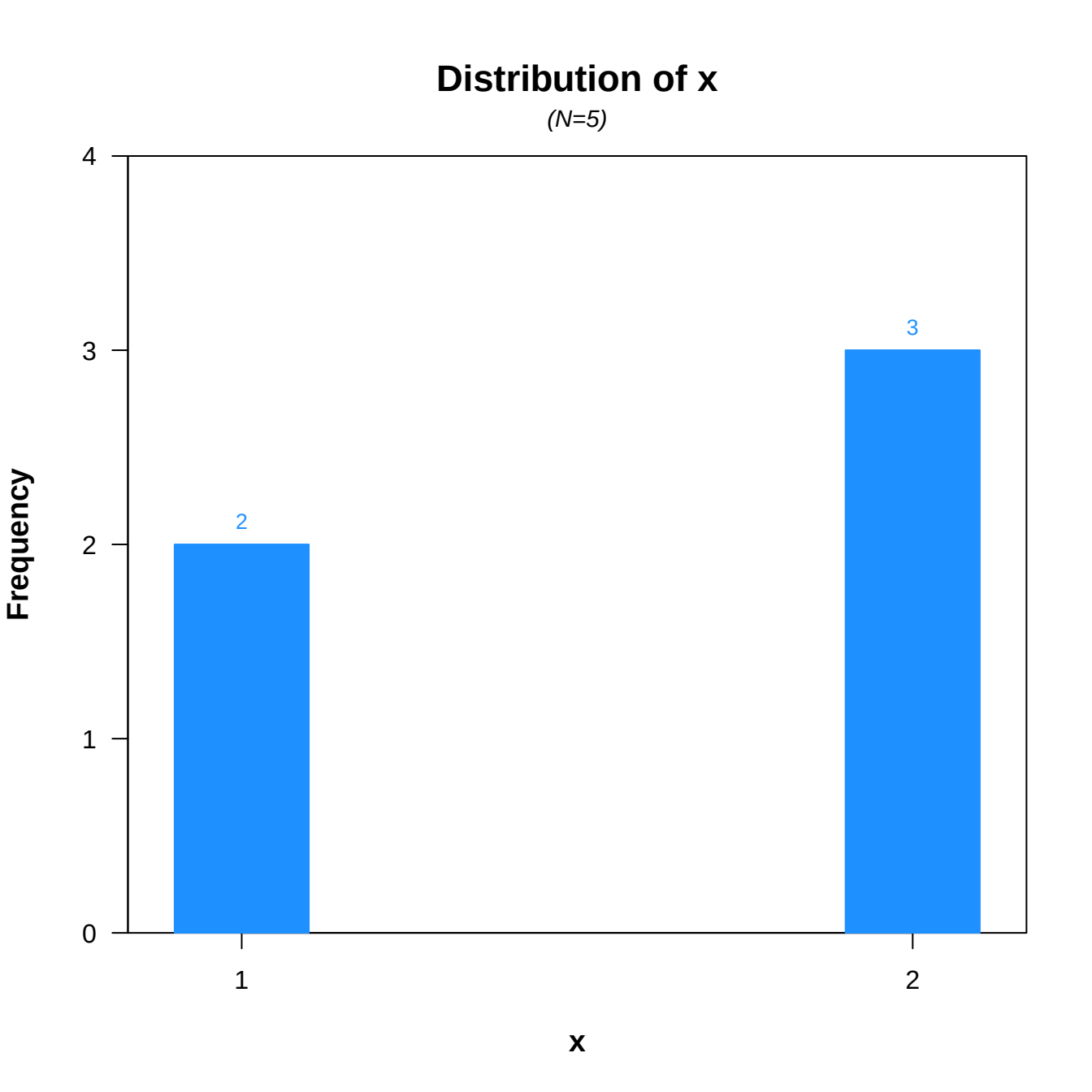

Distribution of x
(N=7)
A (N=4)
B (N=3)
Frequency
0
1
2
2
2
1
1
1
1
2
5
x

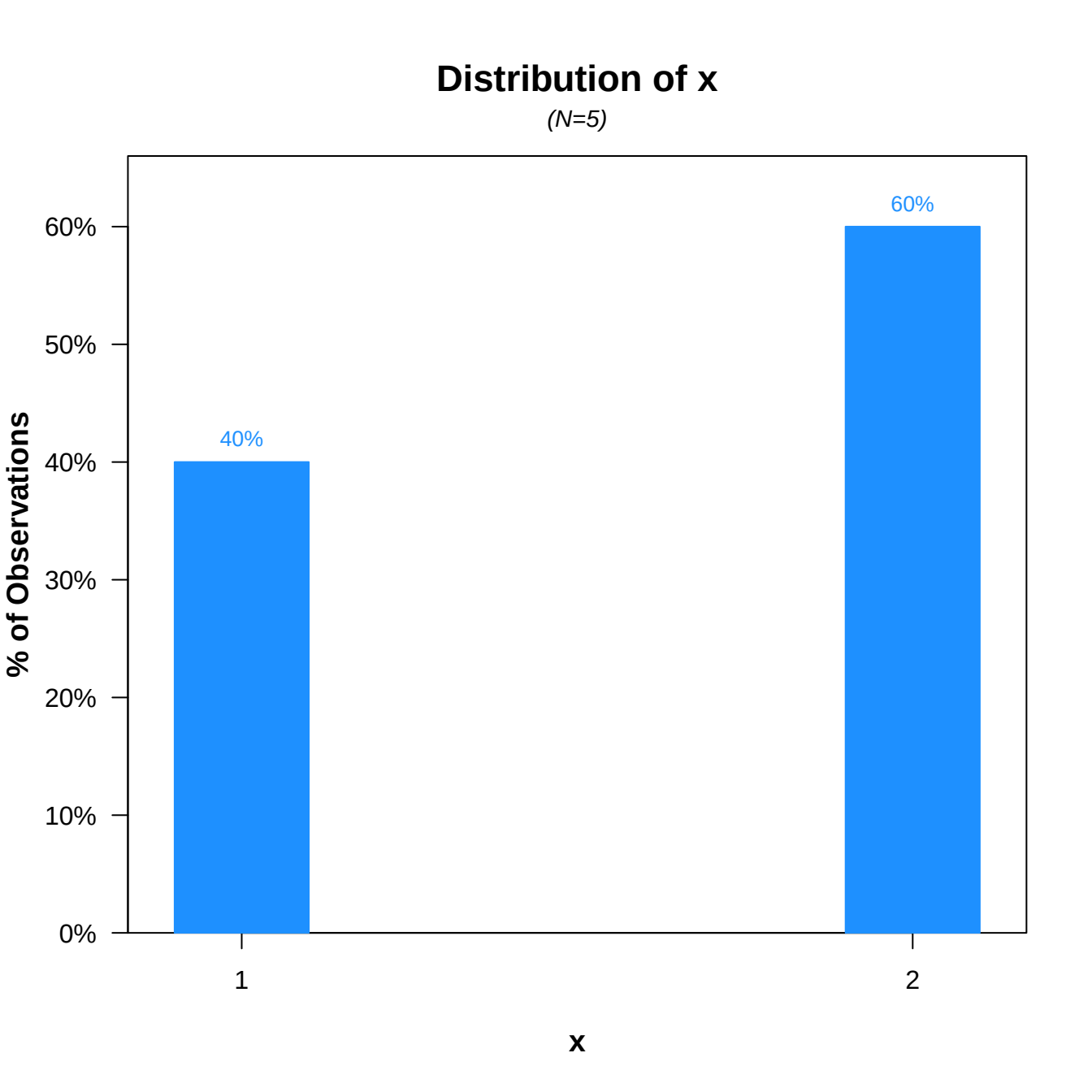

Distribution of value
(N=7)
A (N=4)
B (N=3)
Frequency
0
1
2
2
2
1
1
1
1
2
5
value

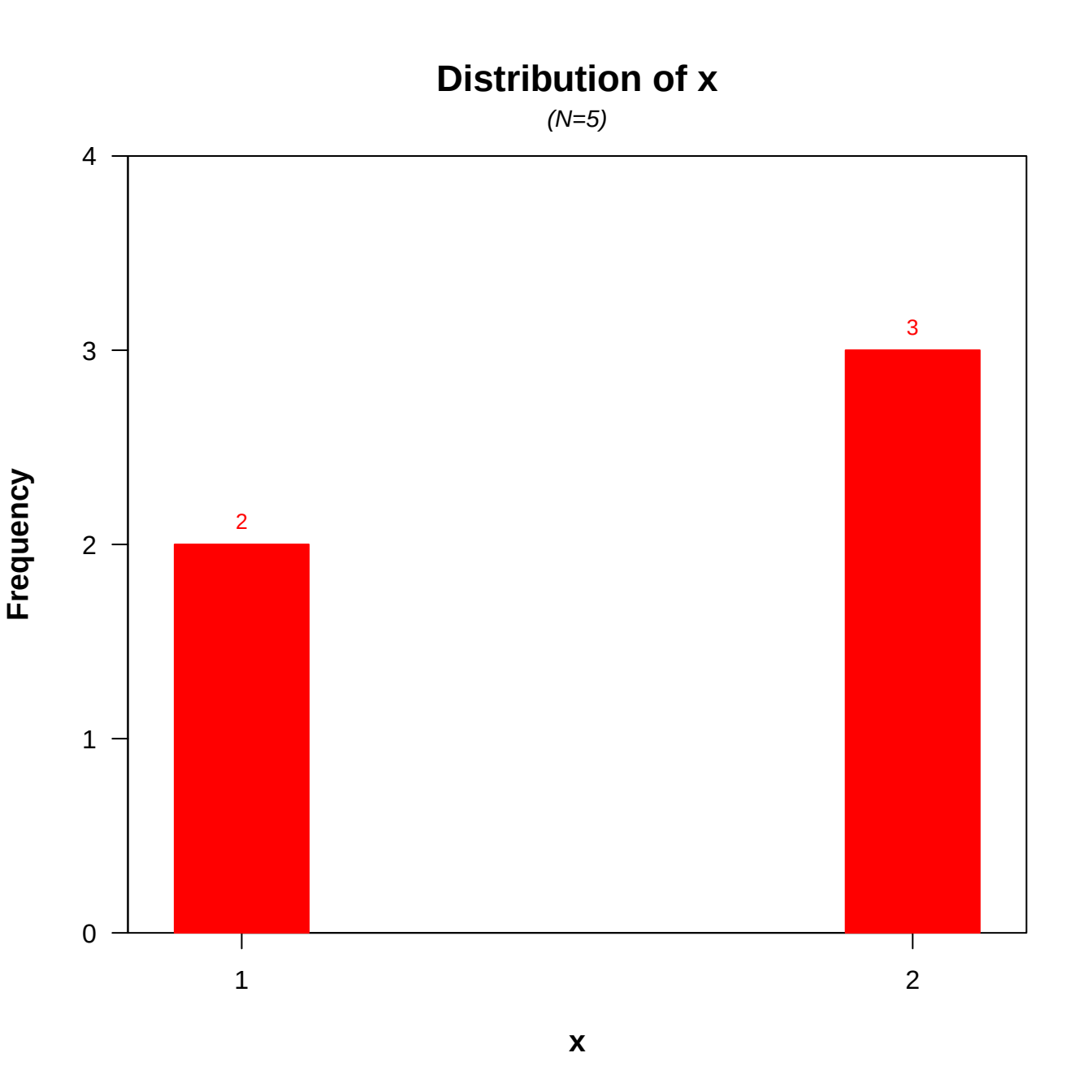

Distribution of value
(N=7)
A (N=4)
B (N=3)
Frequency
0
1
2
2
2
1
1
1
1
2
5
value

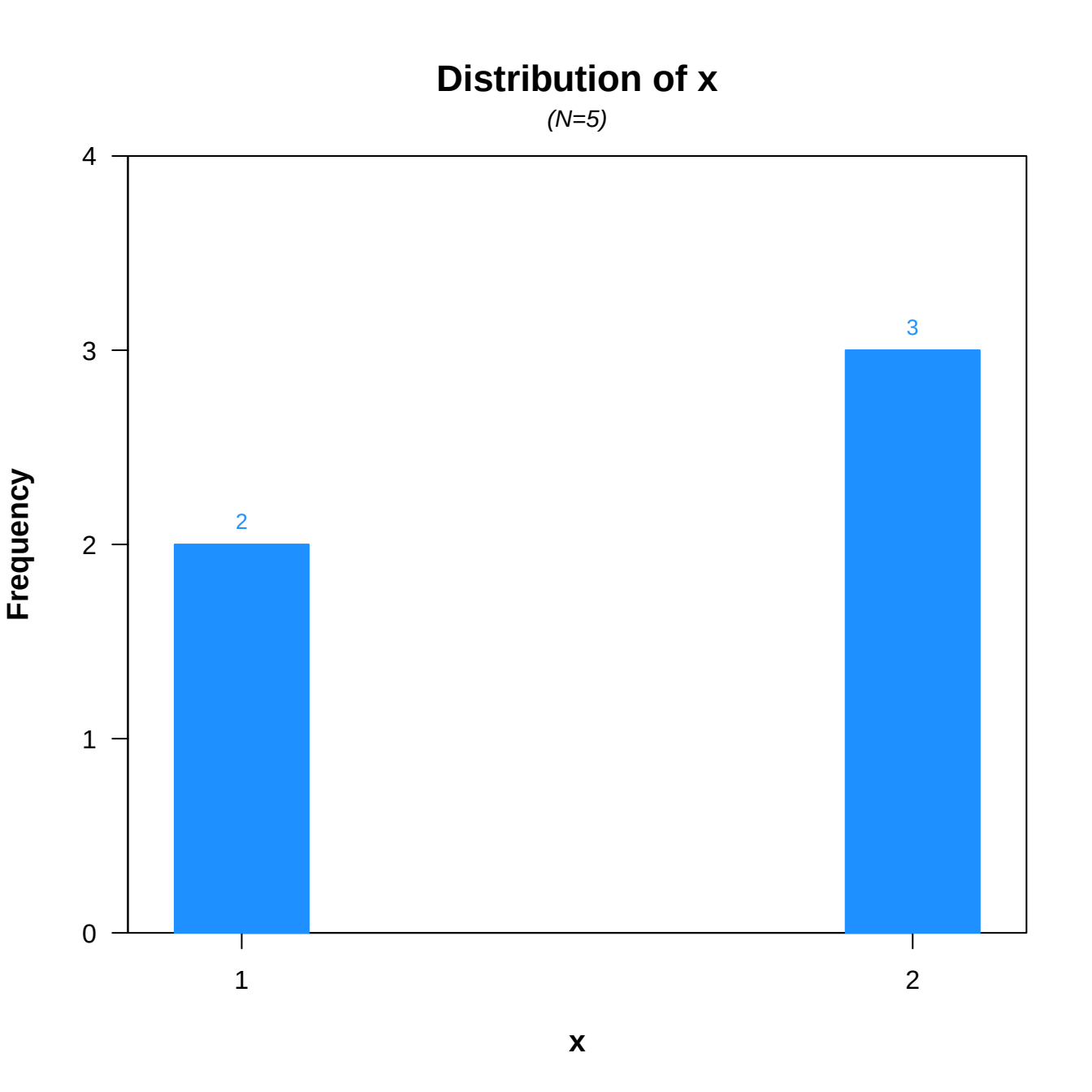

Distribution of value
(N=7)
A (N=4)
B (N=3)
Frequency
0
1
2
2
2
1
1
1
1
2
5
value

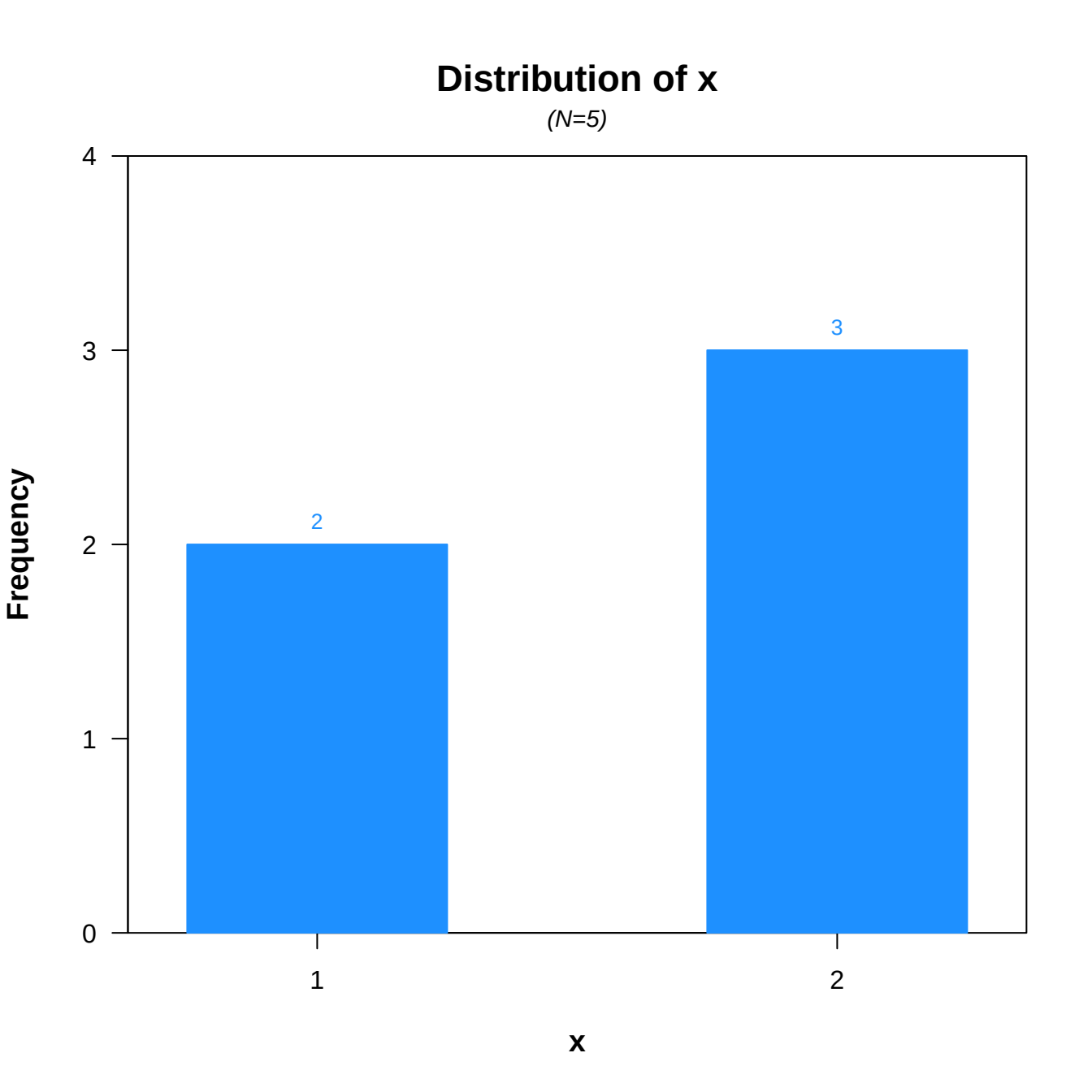

Distribution of value
(N=7)
A (N=4)
B (N=3)
Frequency
0
1
2
2
2
1
1
1
1
2
5
value

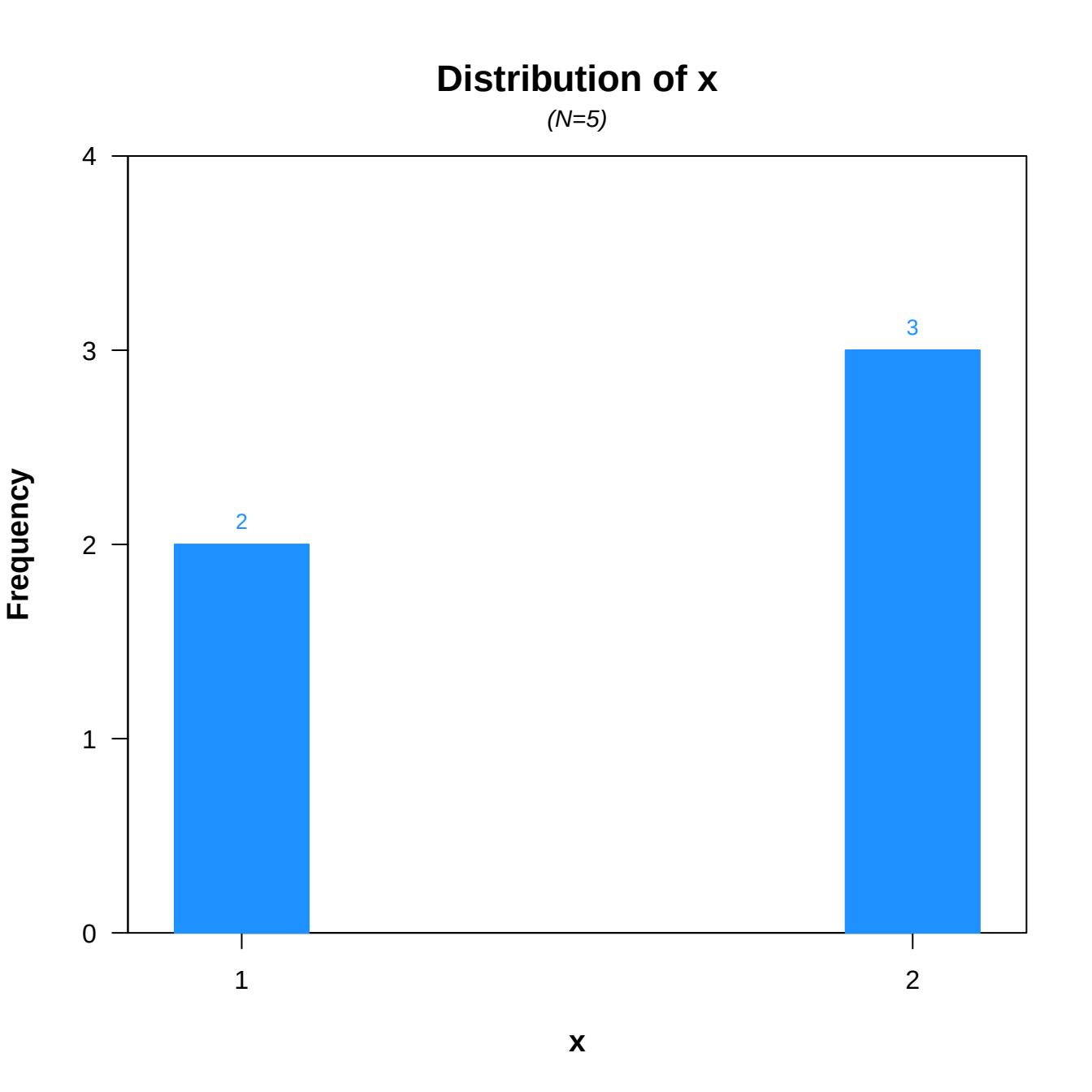

Distribution of x
(N=5)
Frequency
4
3
2
1
0
2
3
1
2
x

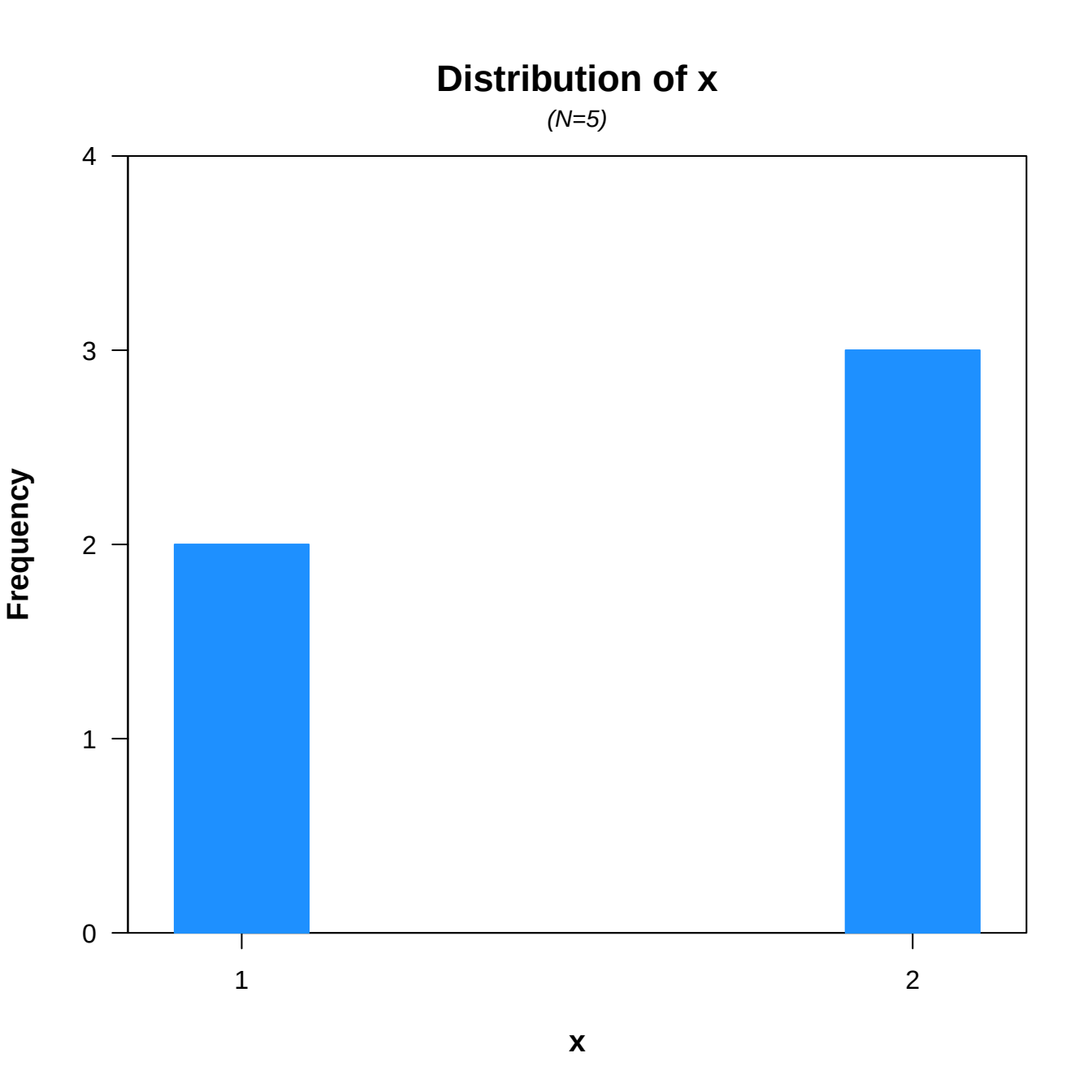

Distribution of x
(N=5)
% of Observations
60%
50%
40%
30%
20%
10%
0%
40%
60%
1
2
x

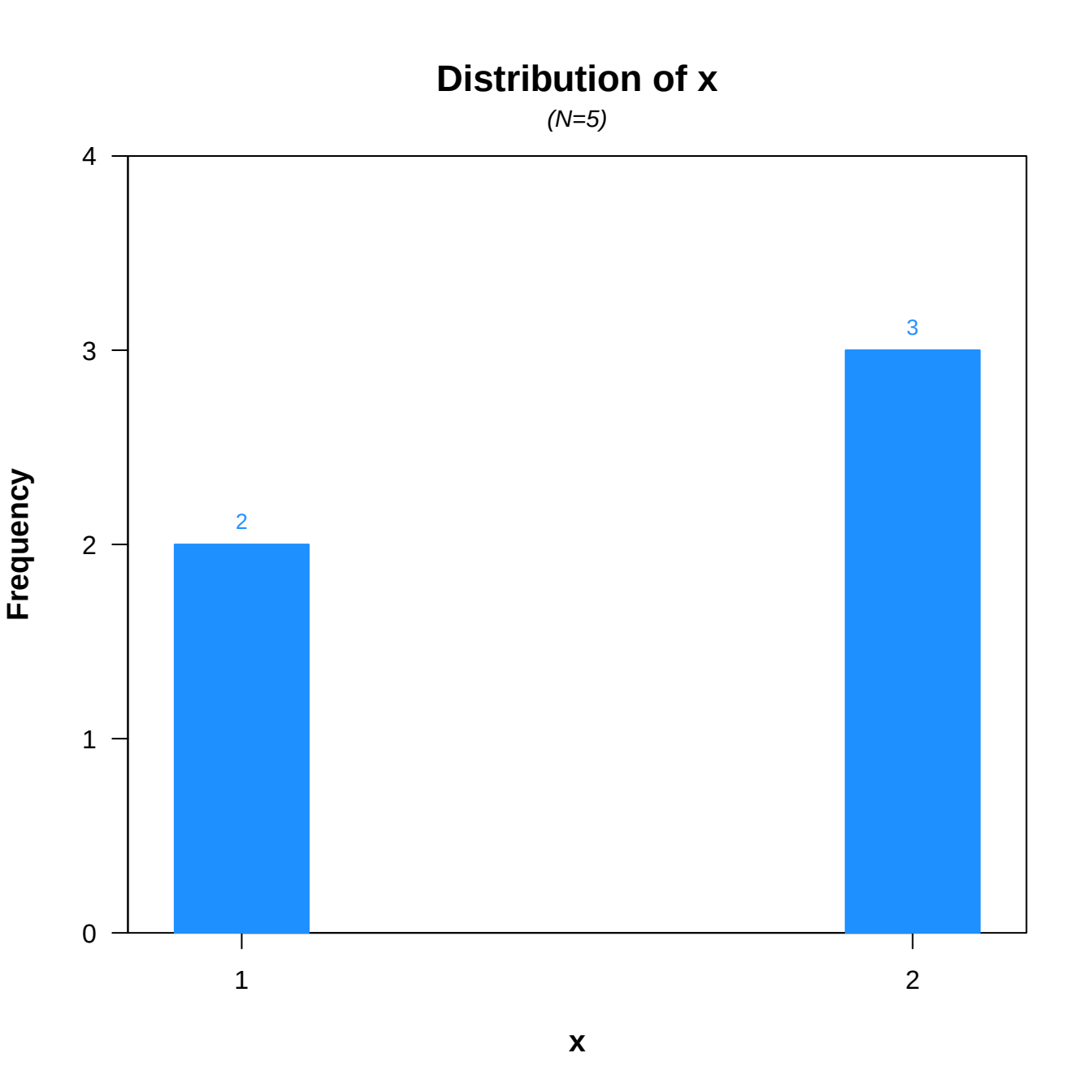

Distribution of x
(N=5)
Frequency
4
3
2
1
0
2
3
1
2
x

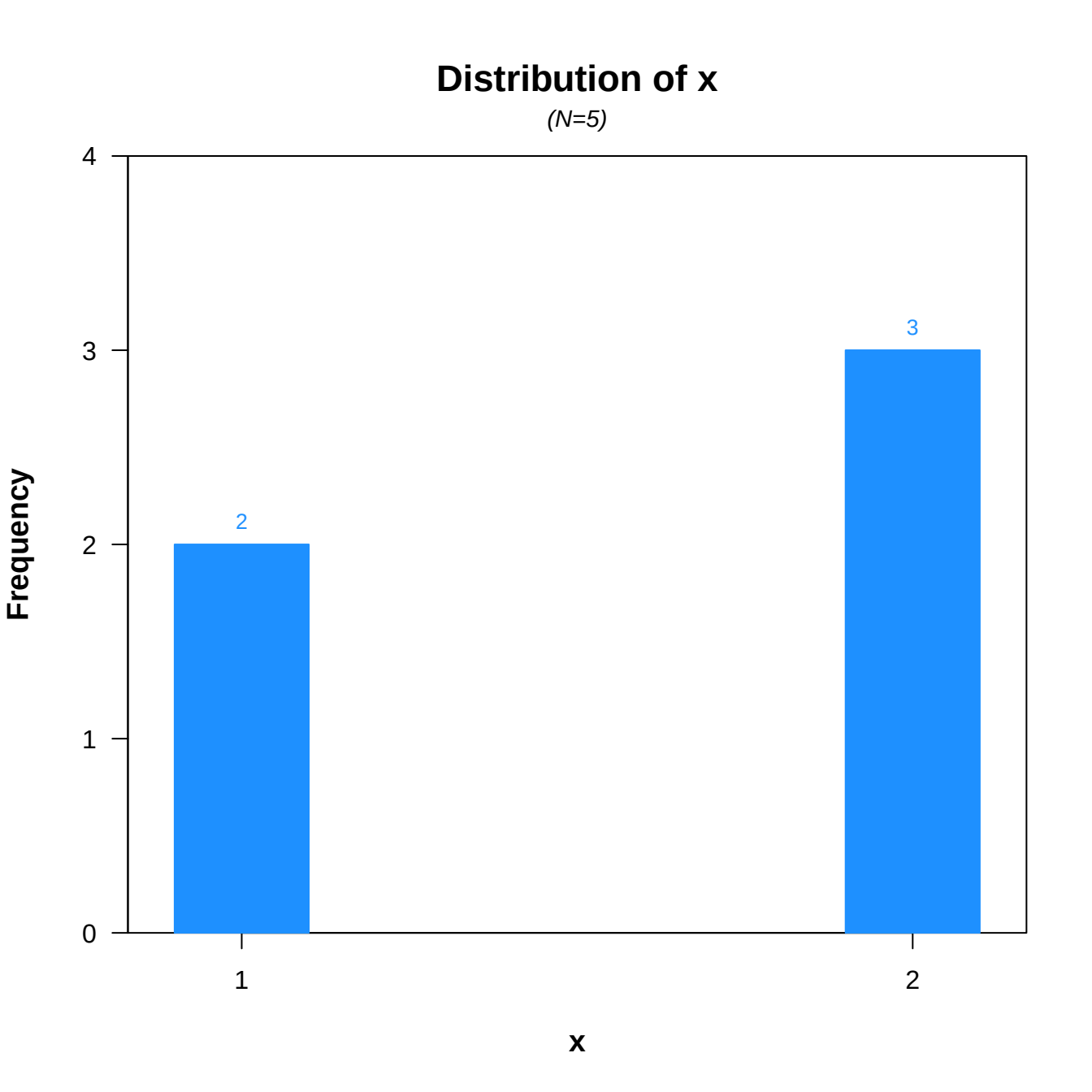

Distribution of x
(N=5)
Frequency
4
3
2
1
0
2
3
1
2
x

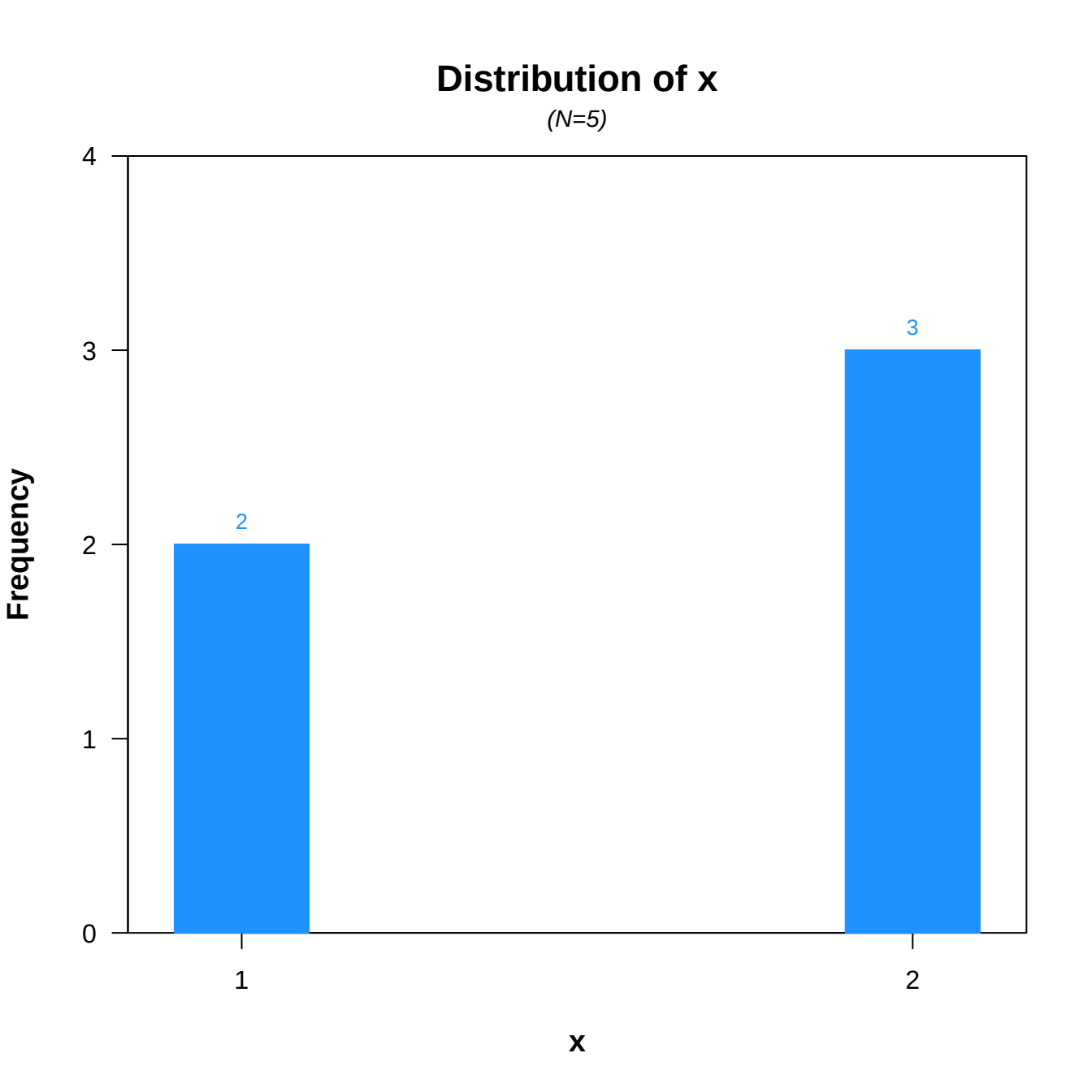

Distribution of x
(N=5)
Frequency
4
3
2
1
0
3
2
1
2
x

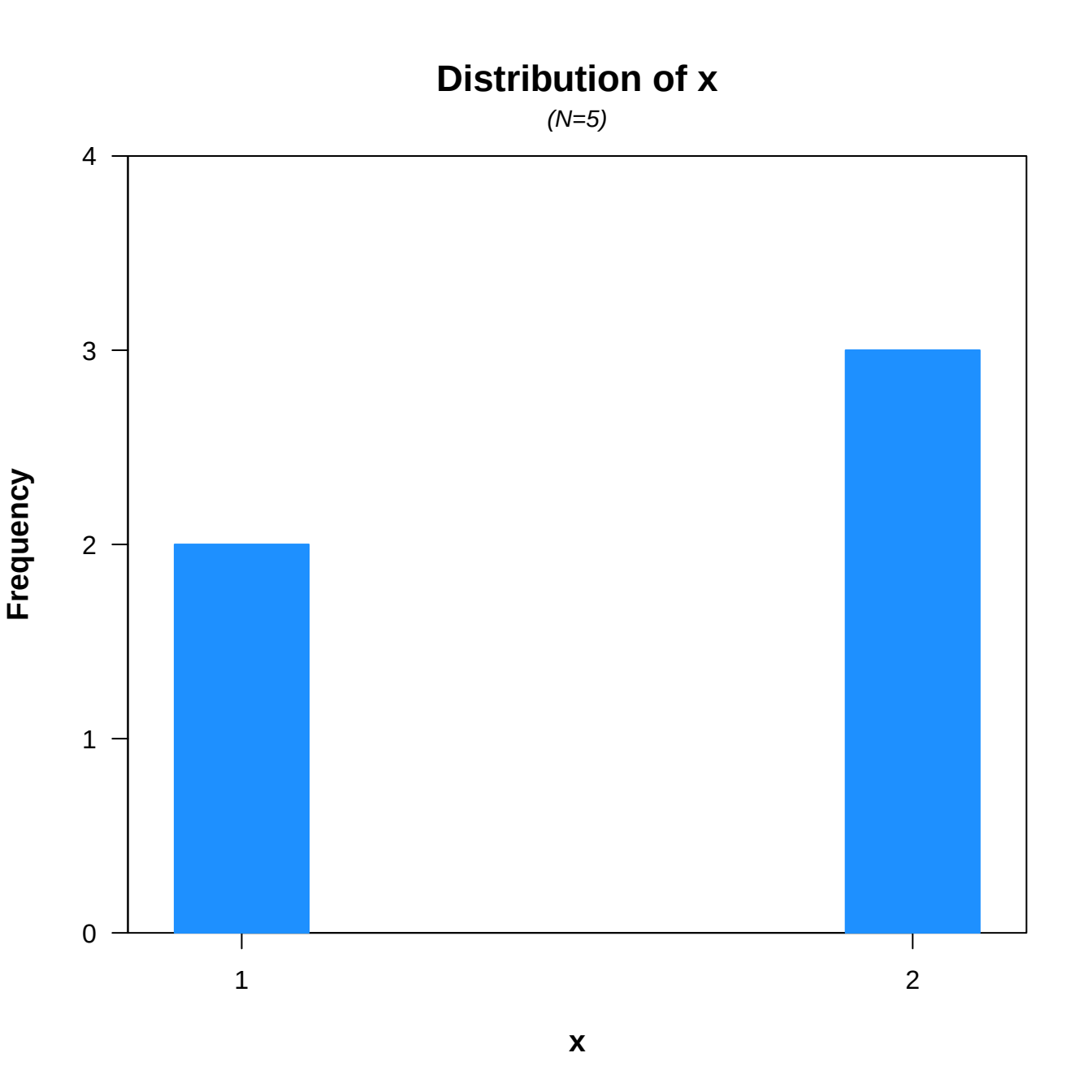

Distribution of x
(N=5)
Frequency
4
3
2
1
0
2
3
1
2
x

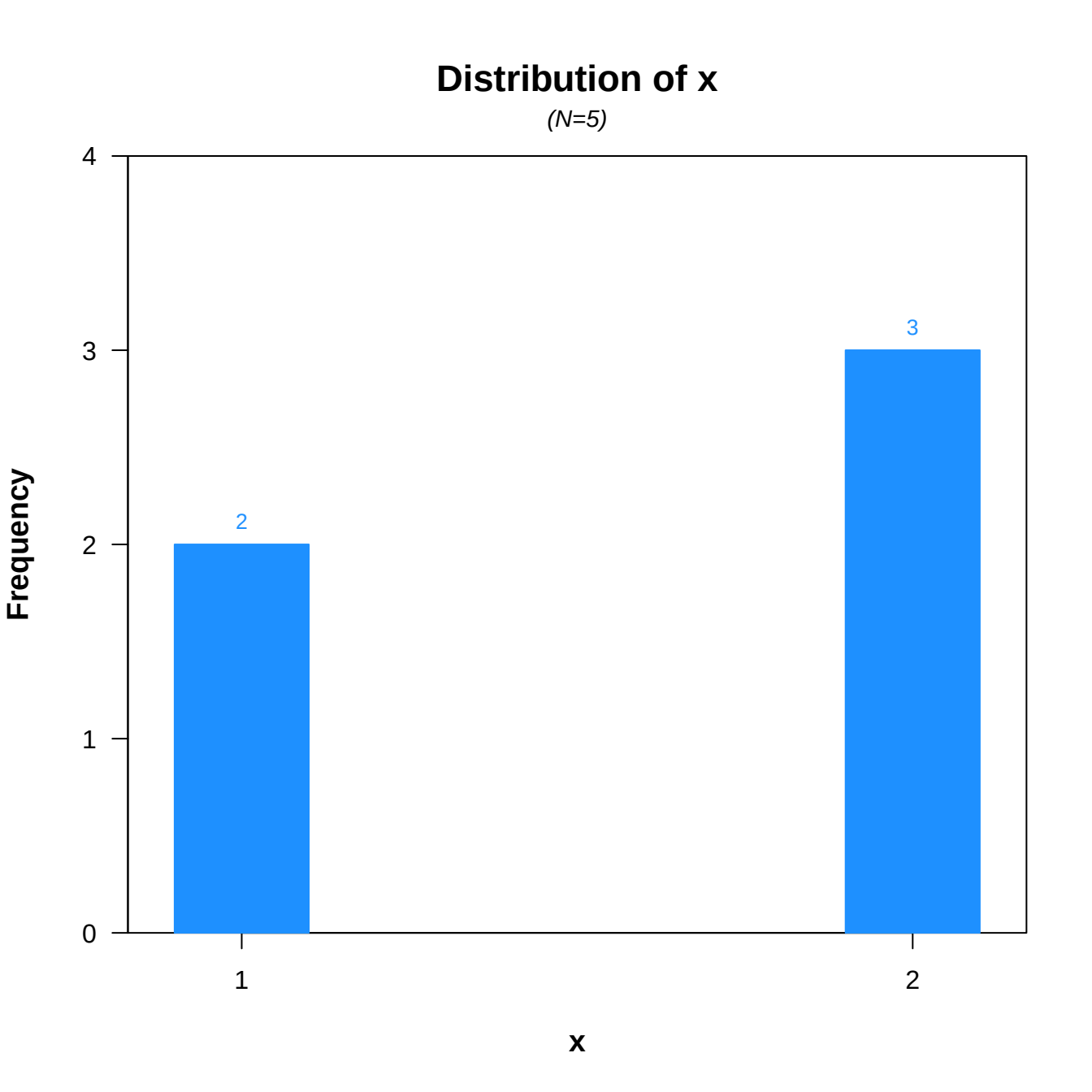

Distribution of x
(N=5)
Frequency
4
3
2
1
0
1
2
x

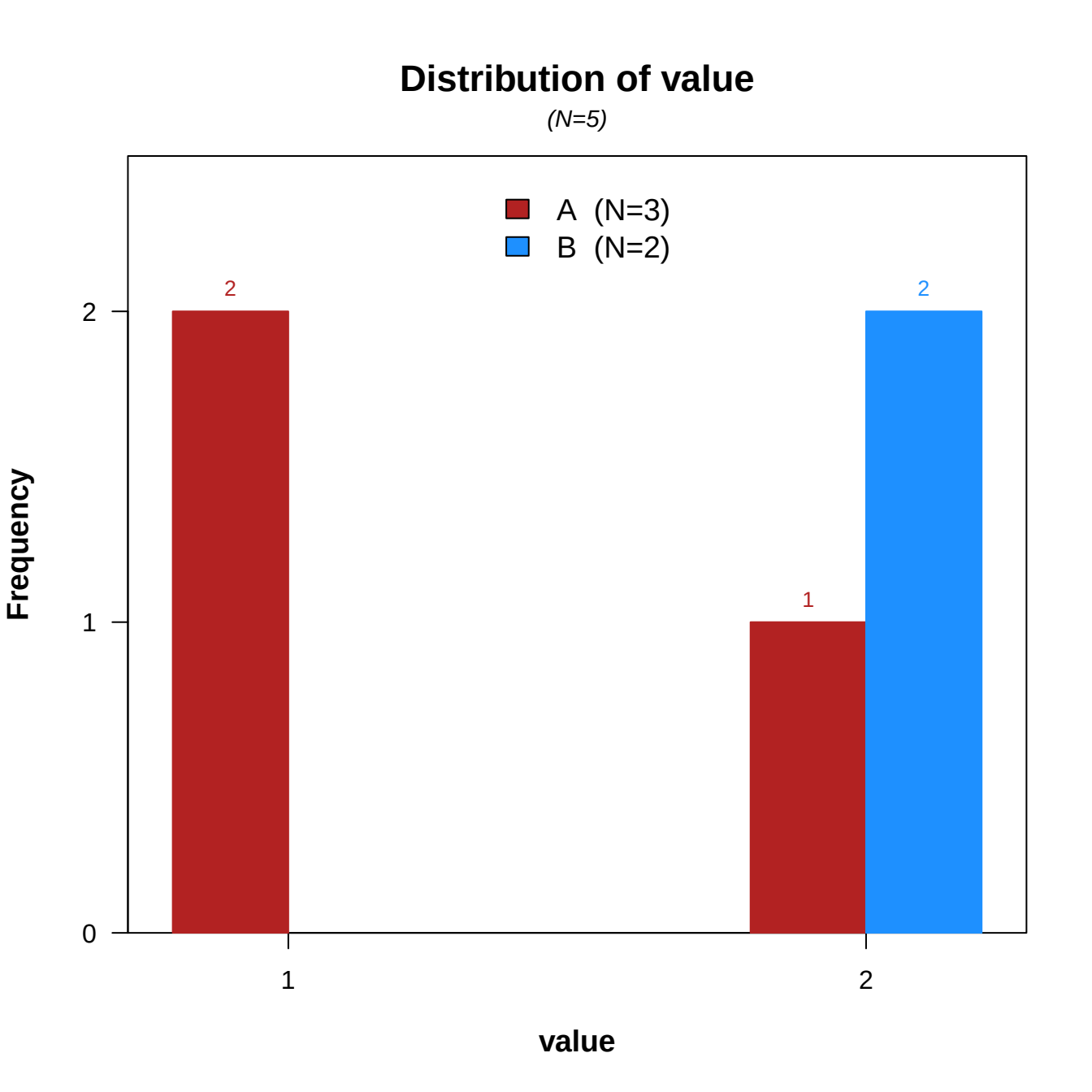

Distribution of x
(N=5)
Frequency
4
3
2
1
0
2
3
1
2
x

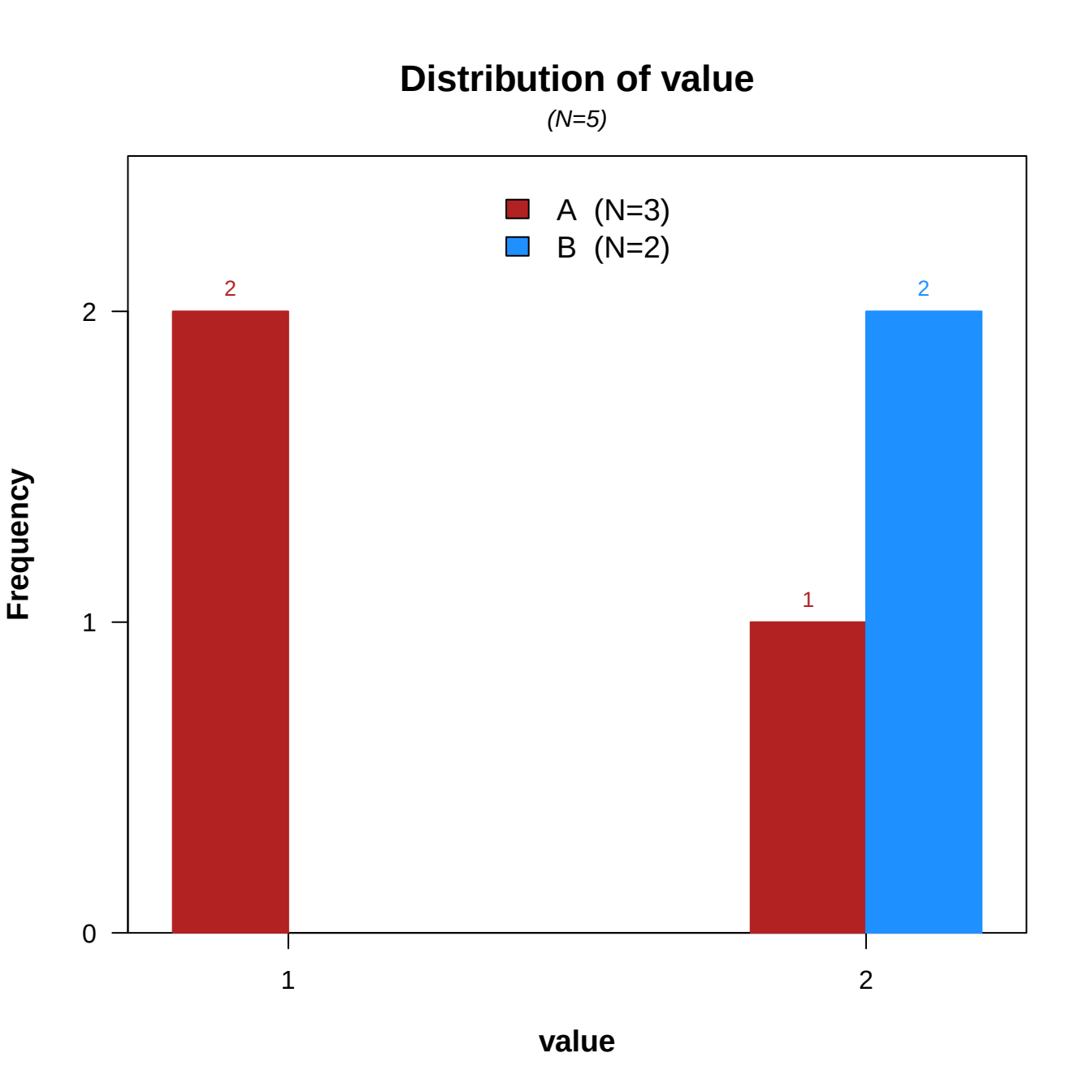

Distribution of x
(N=5)
Frequency
4
3
2
1
0
2
3
1
2
x

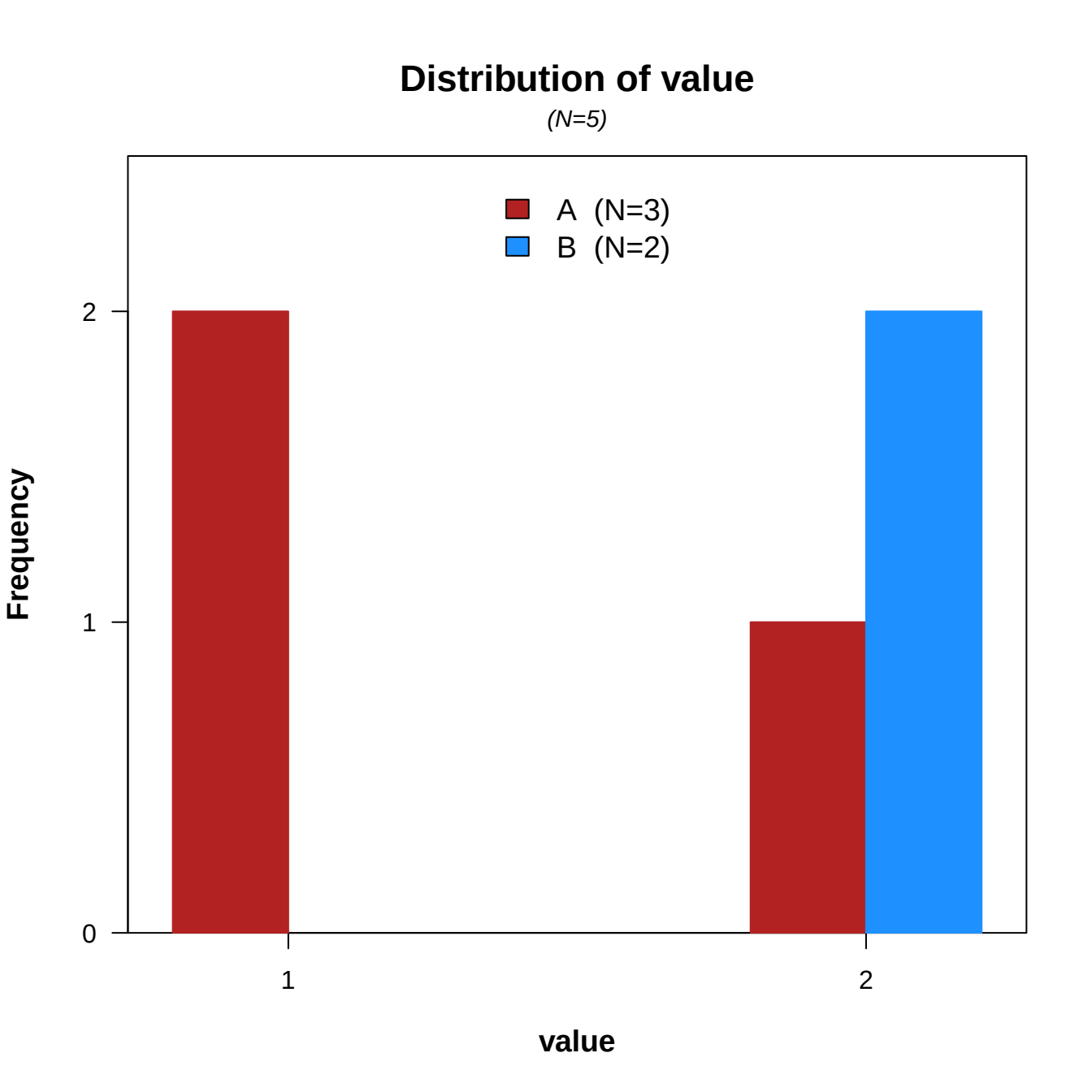

Distribution of x
(N=5)
Frequency
4
3
2
1
0
2
3
1
2
x

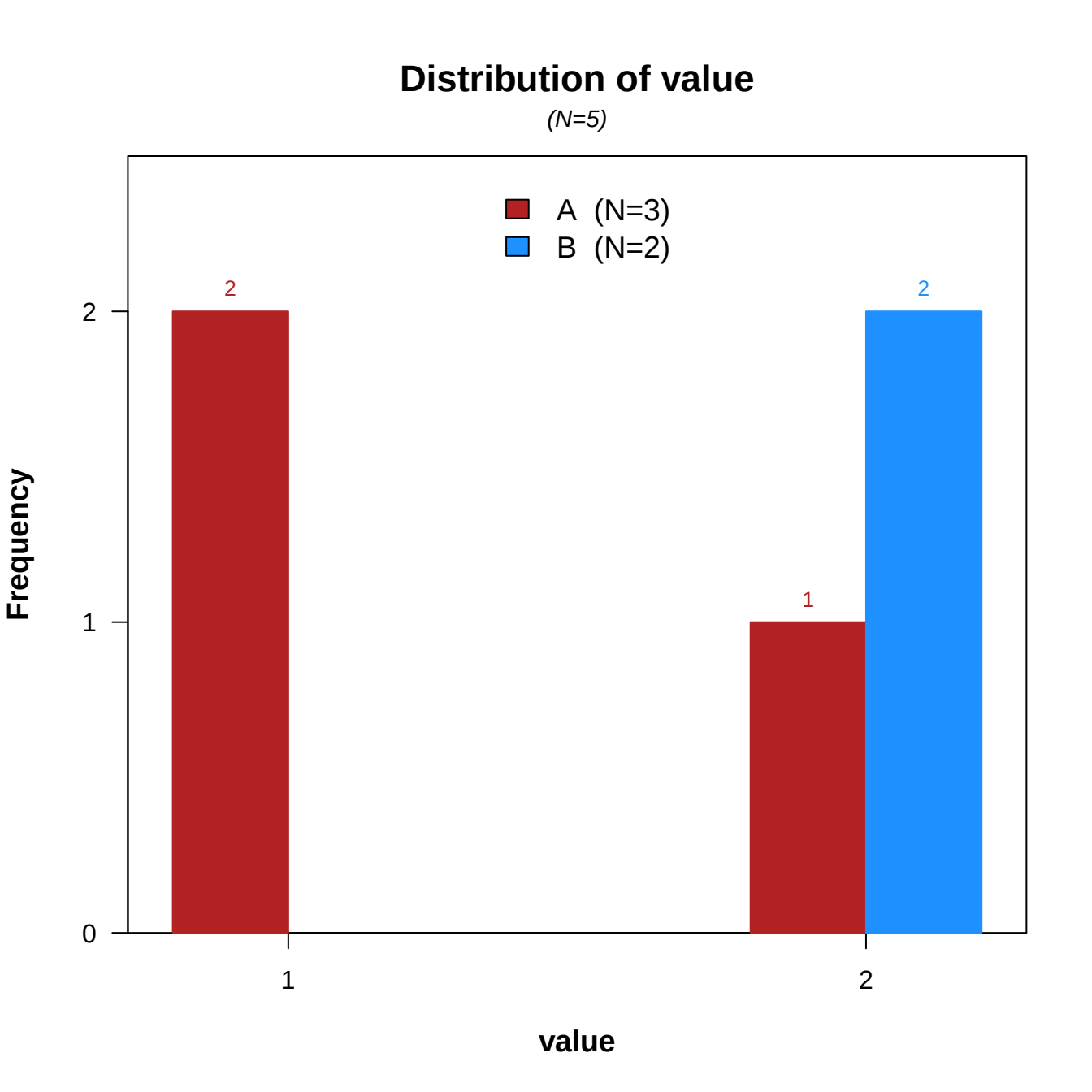

Distribution of x
(N=5)
Frequency
4
3
2
1
0
1
2
x

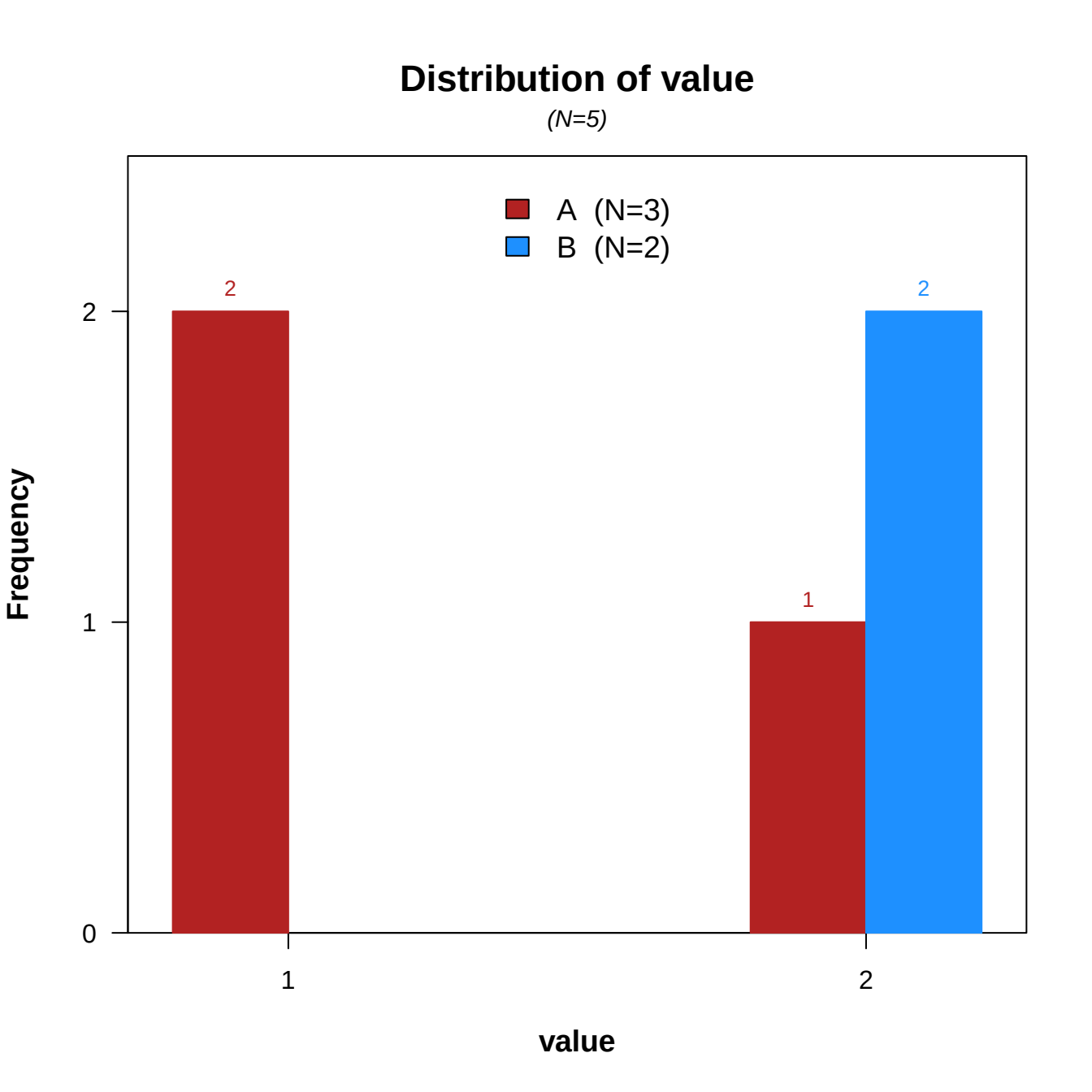

Distribution of x
(N=5)
Frequency
4
3
2
1
0
2
3
1
2
x

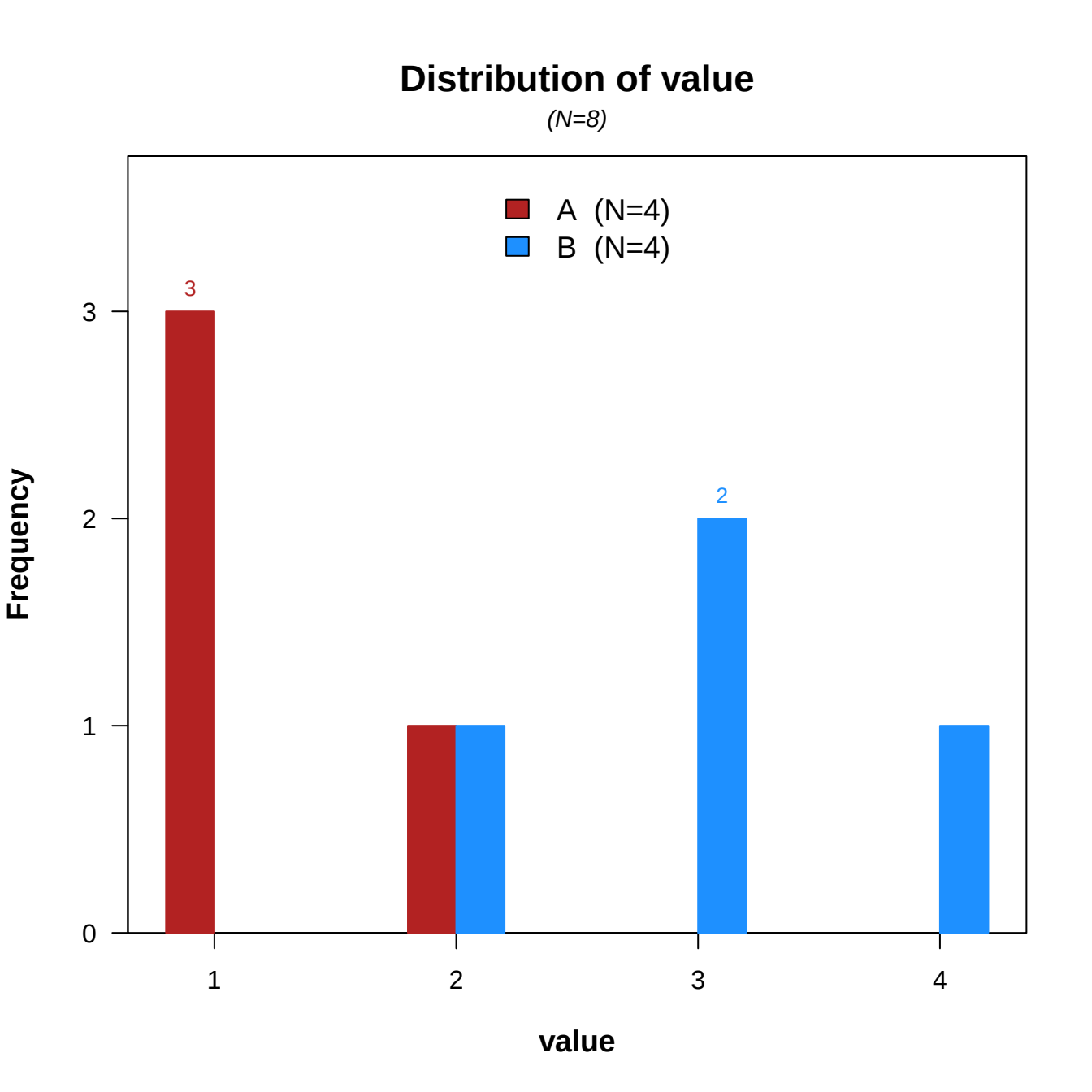

Distribution of value
(N=5)
A (N=3)
B (N=2)
2
2
1
2
Frequency
2
1
0
1
2
value

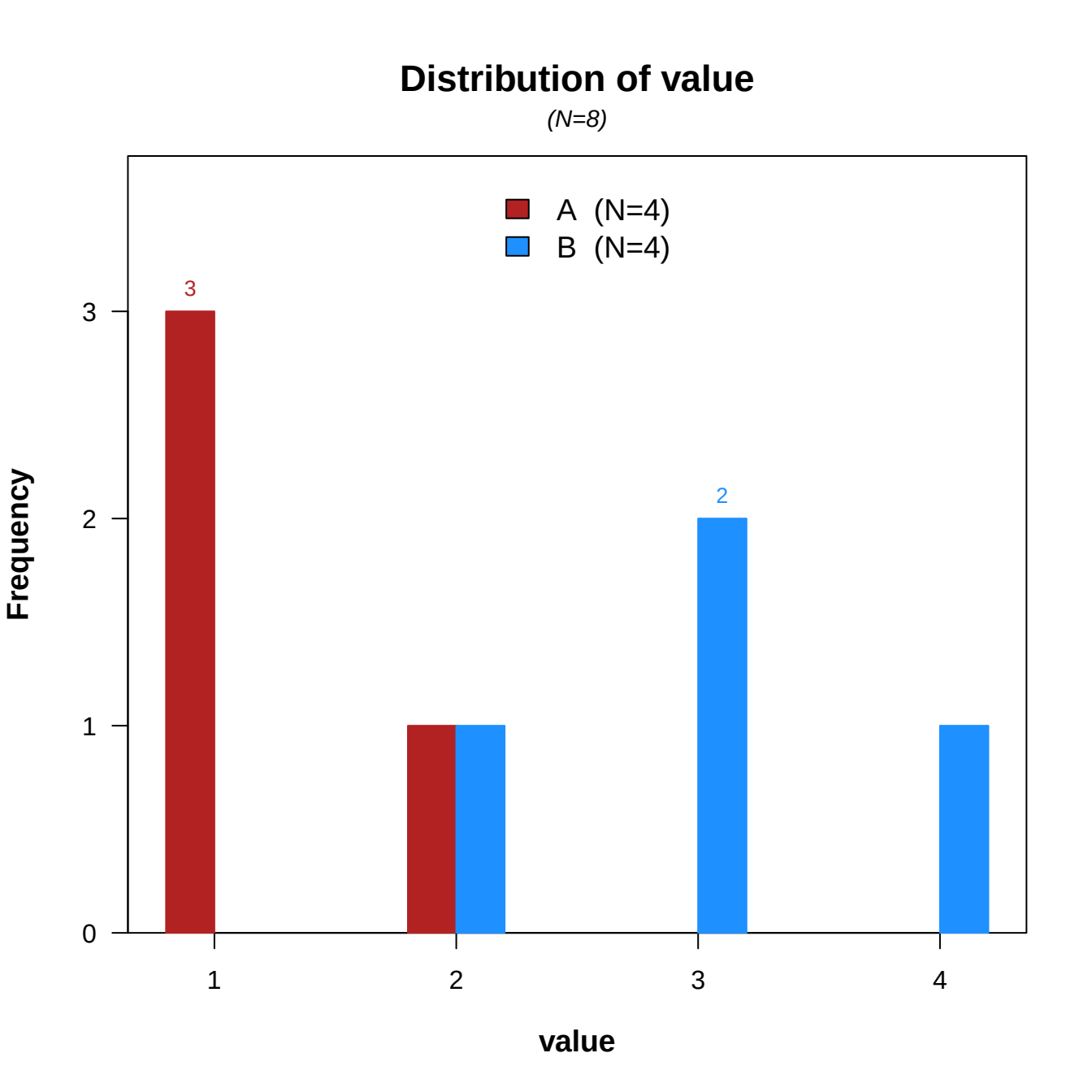

Distribution of value
(N=5)
A (N=3)
B (N=2)
2
2
1
2
Frequency
2
1
0
1
2
value

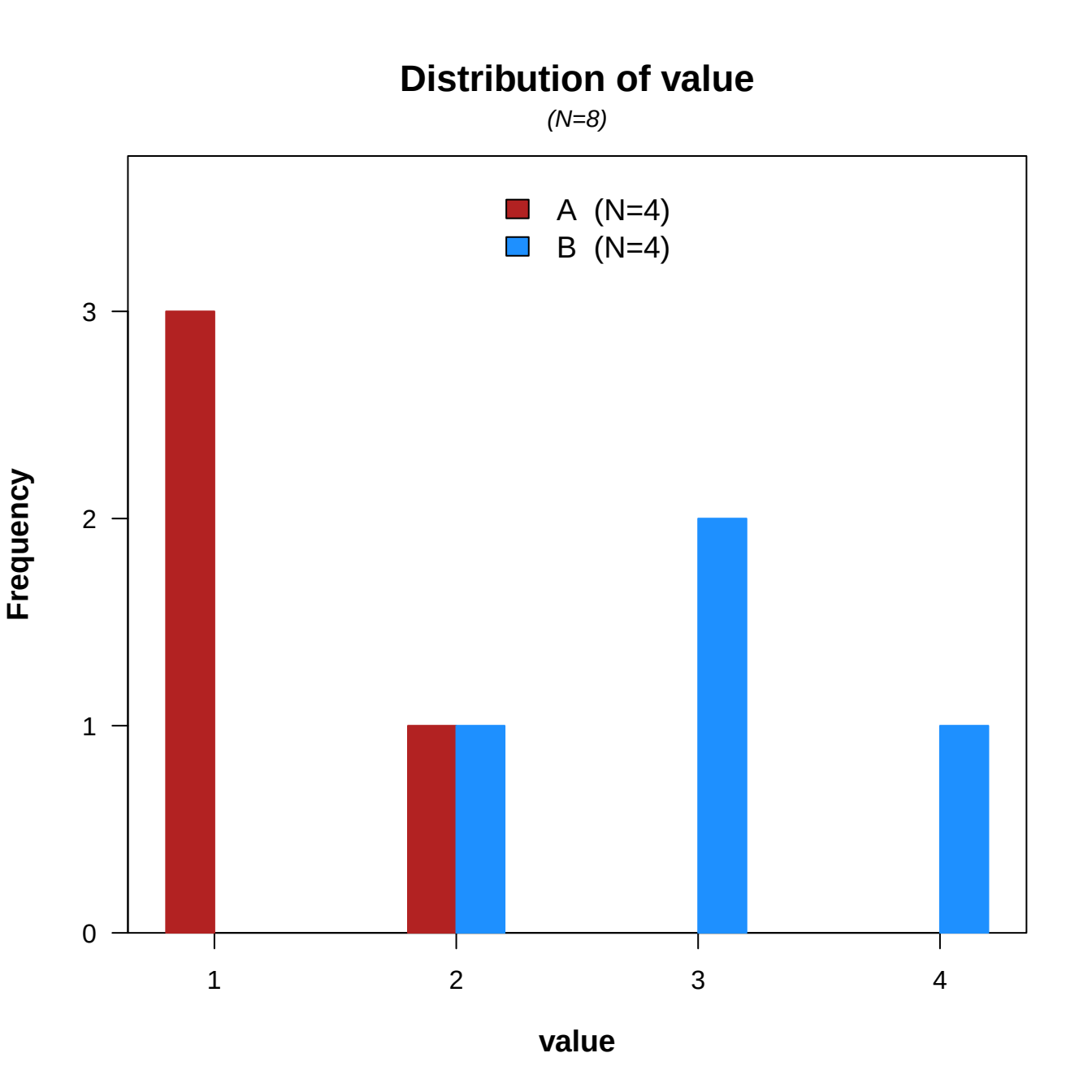

Distribution of value
(N=5)
A (N=3)
B (N=2)
Frequency
2
1
0
1
2
value

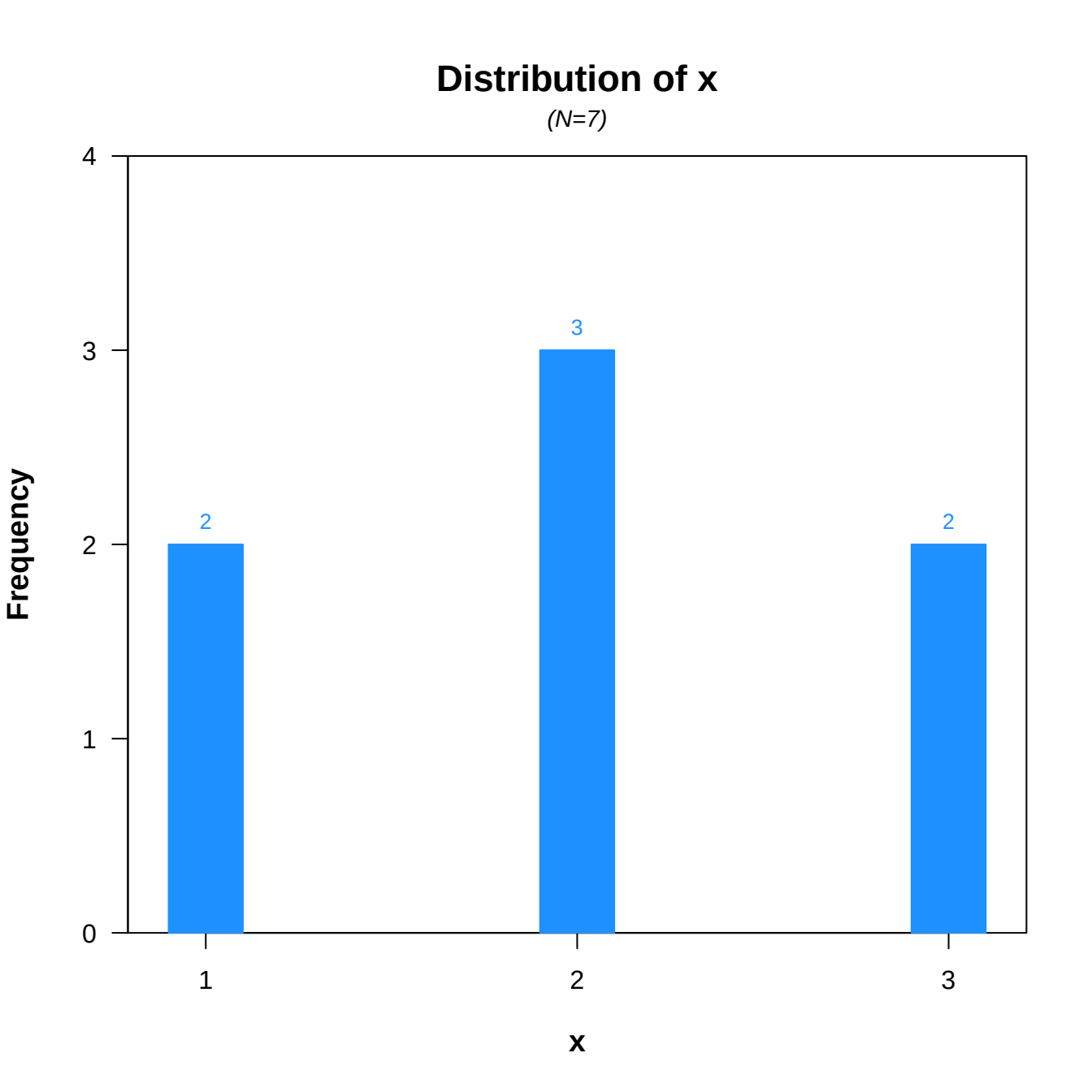

Distribution of value
(N=5)
A (N=3)
B (N=2)
2
2
1
2
Frequency
2
1
0
1
2
value

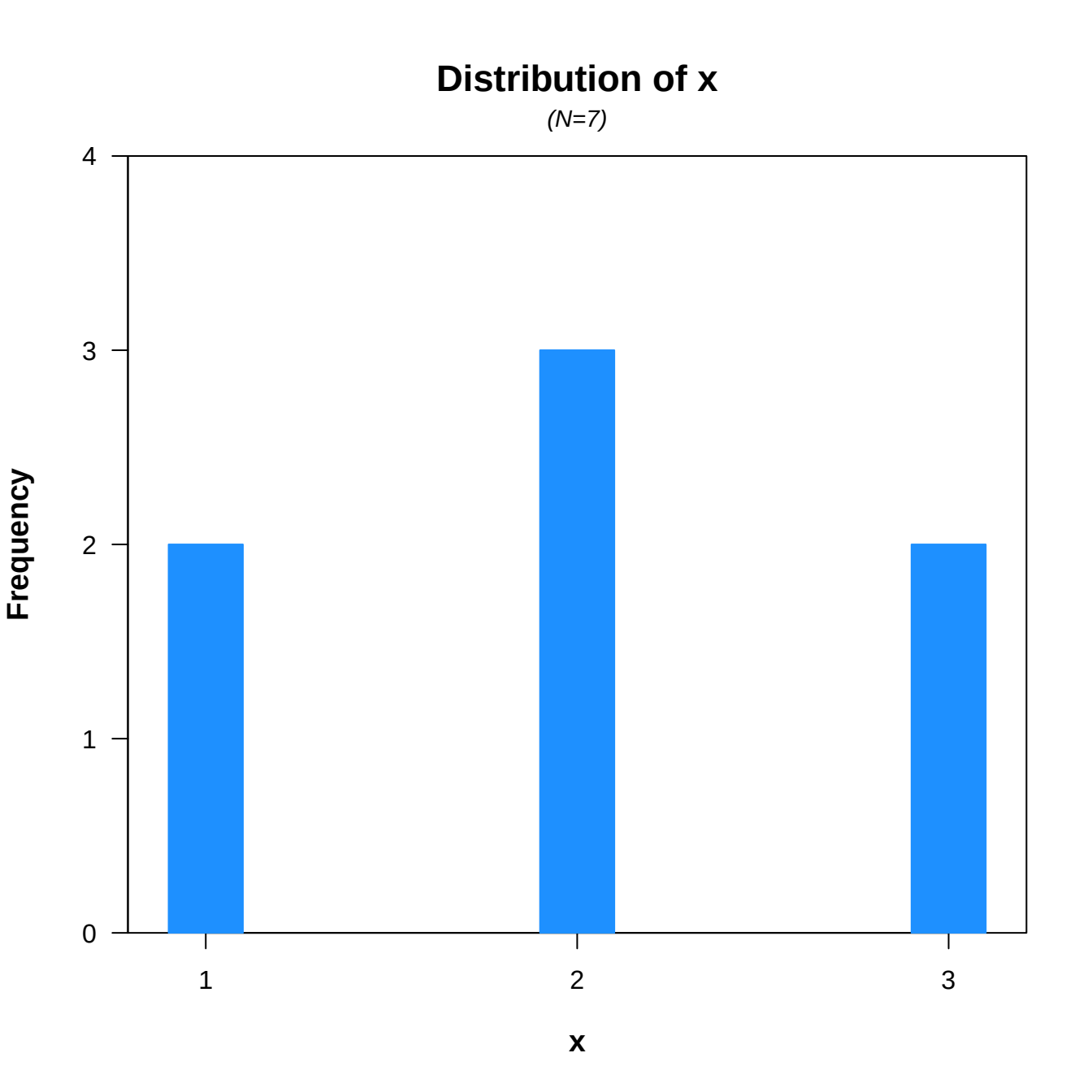

Distribution of value
(N=5)
A (N=3)
B (N=2)
2
2
1
2
Frequency
2
1
0
1
2
value

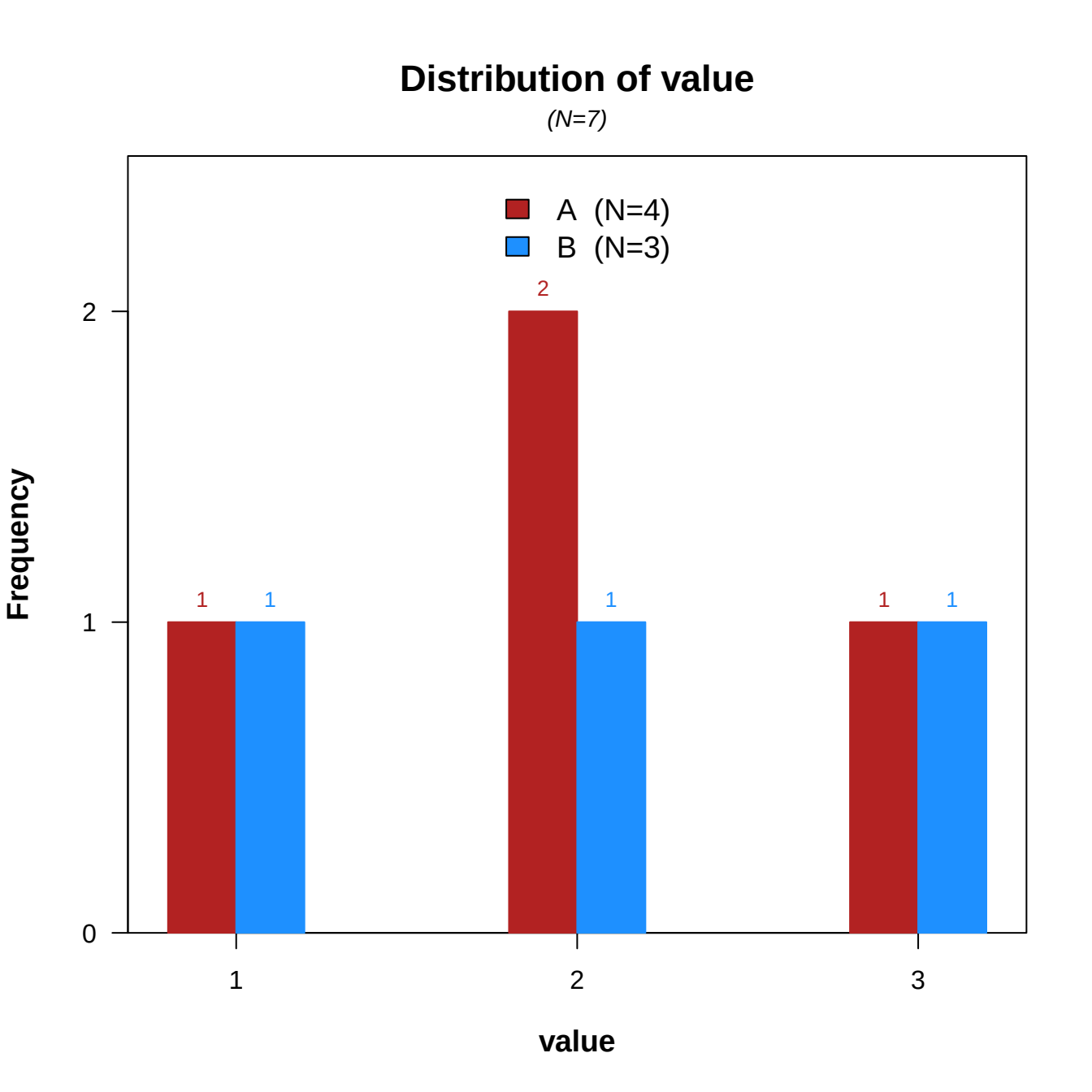

Distribution of value
(N=8)
A (N=4)
B (N=4)
3
2
Frequency
0
1
2
3
1
2
3
4
value

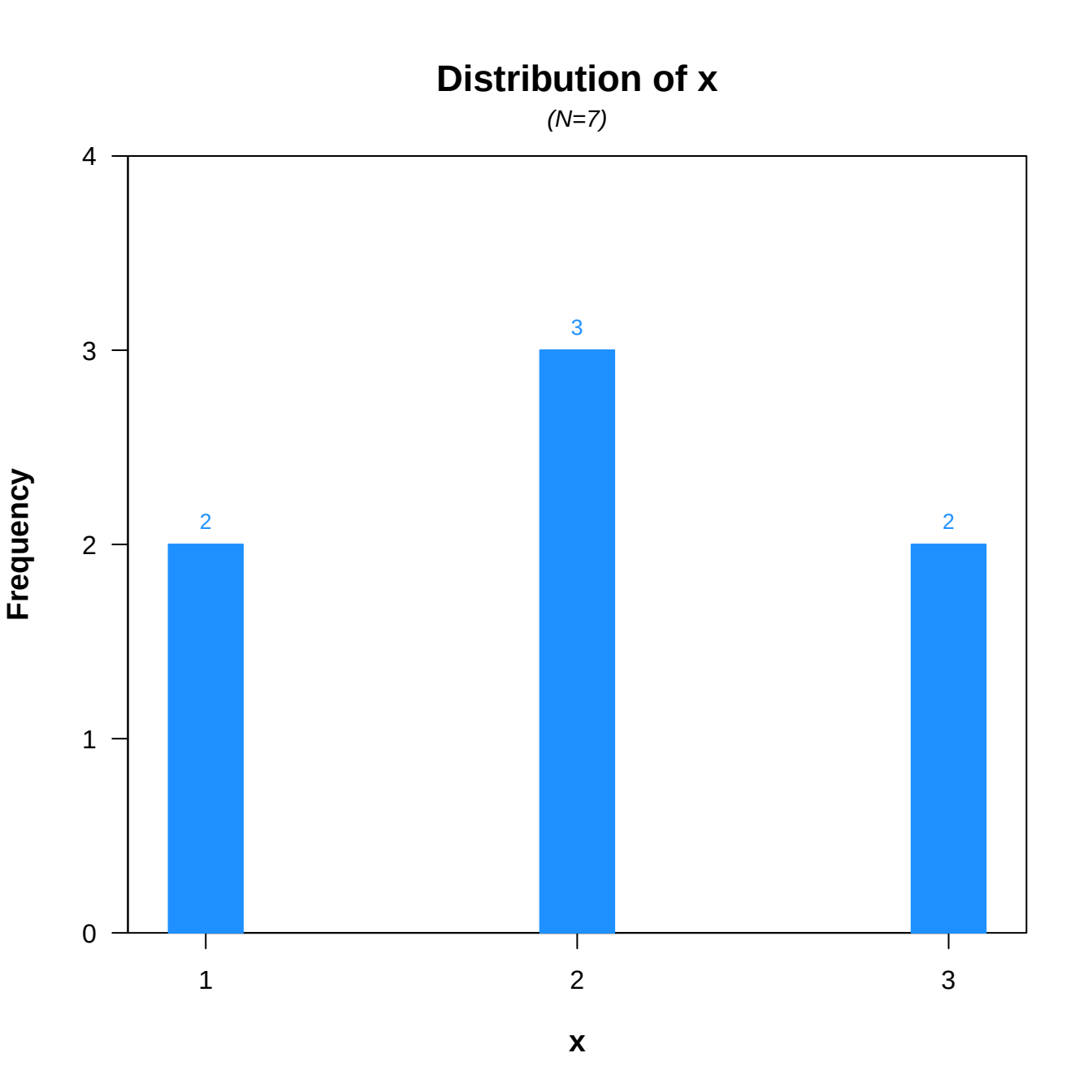

Distribution of value
(N=8)
A (N=4)
B (N=4)
3
2
Frequency
0
1
2
3
1
2
3
4
value

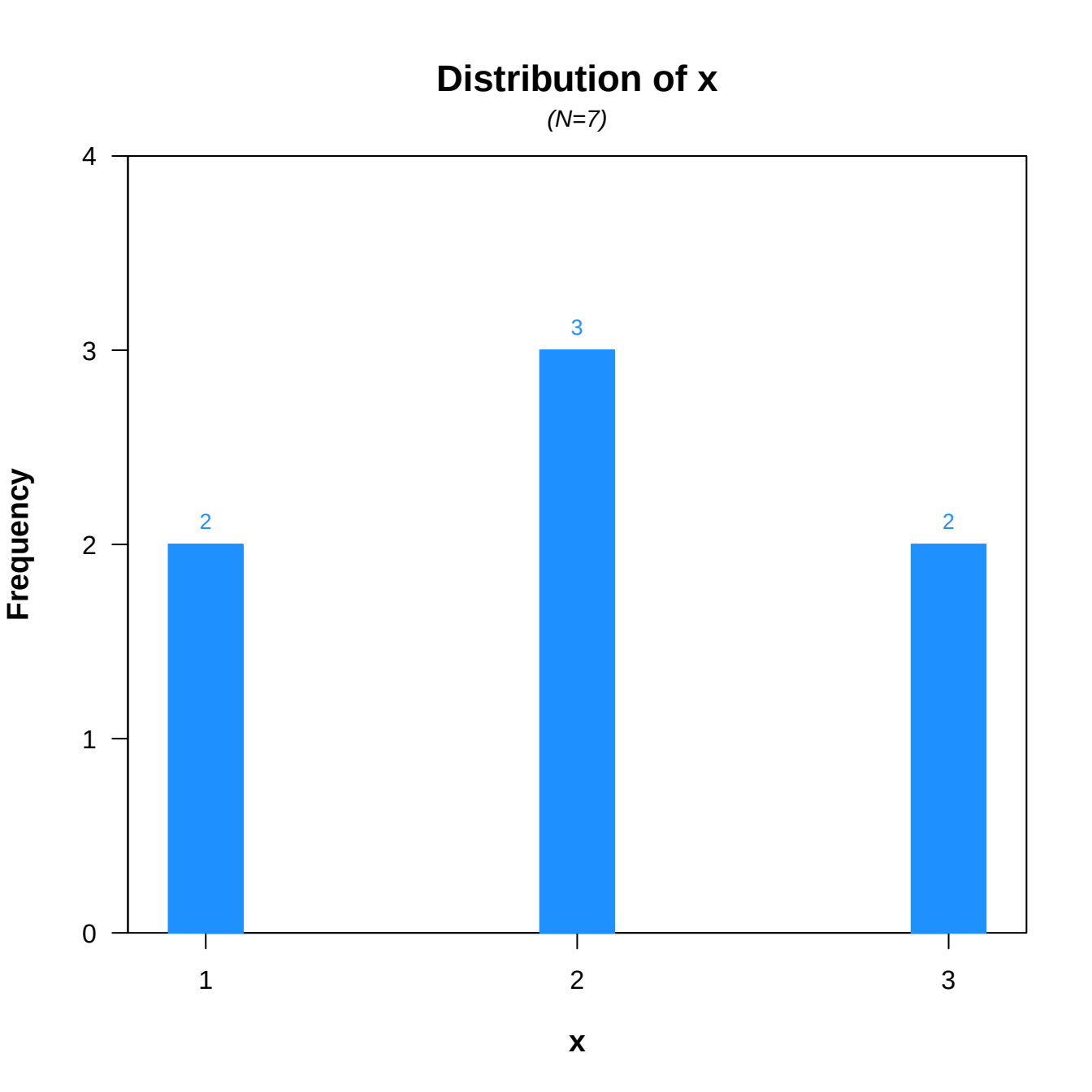

Distribution of value
(N=8)
A (N=4)
B (N=4)
Frequency
0
1
2
3
1
2
3
4
value

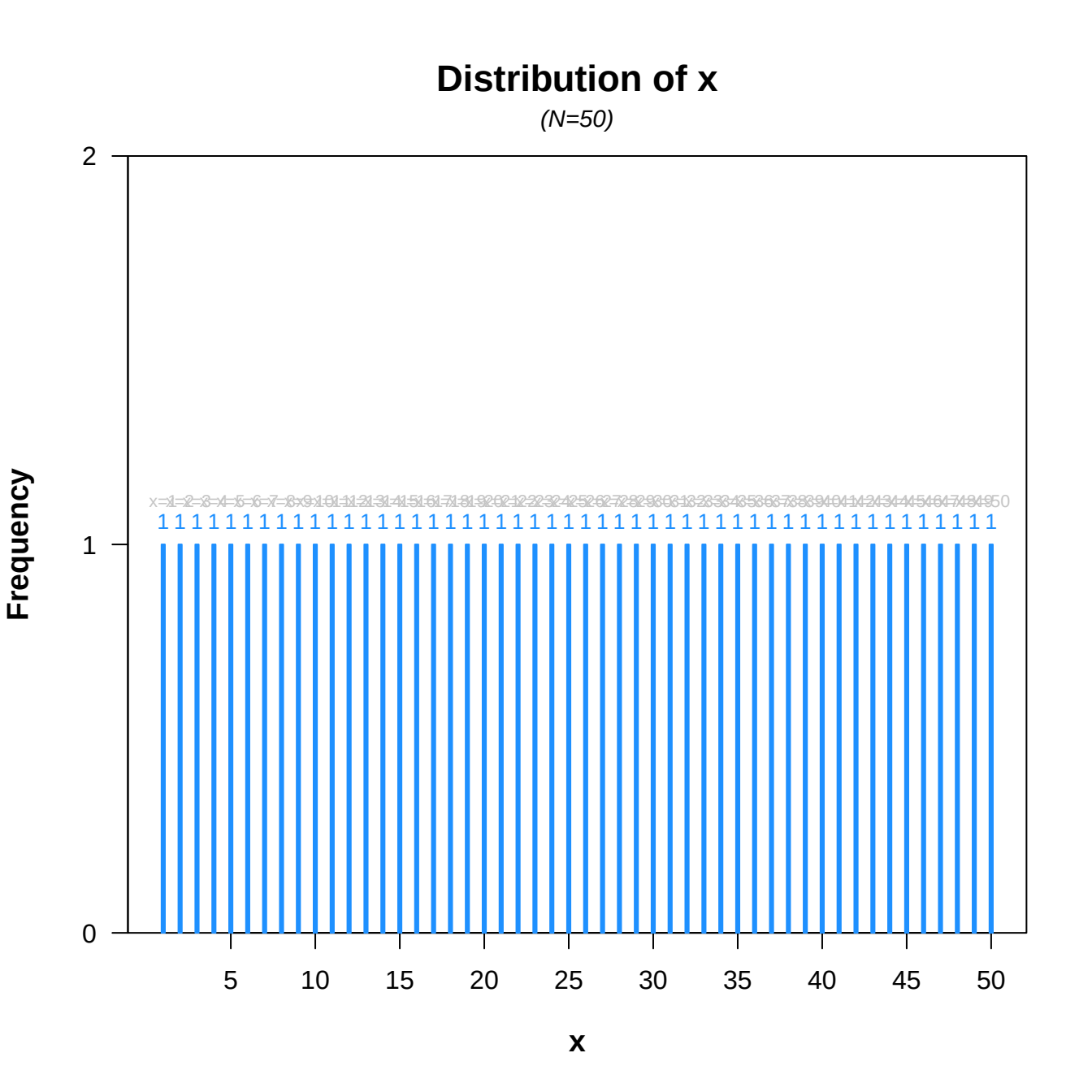

Distribution of x
(N=7)
Frequency
4
3
2
1
0
2
3
2
1
2
3
x

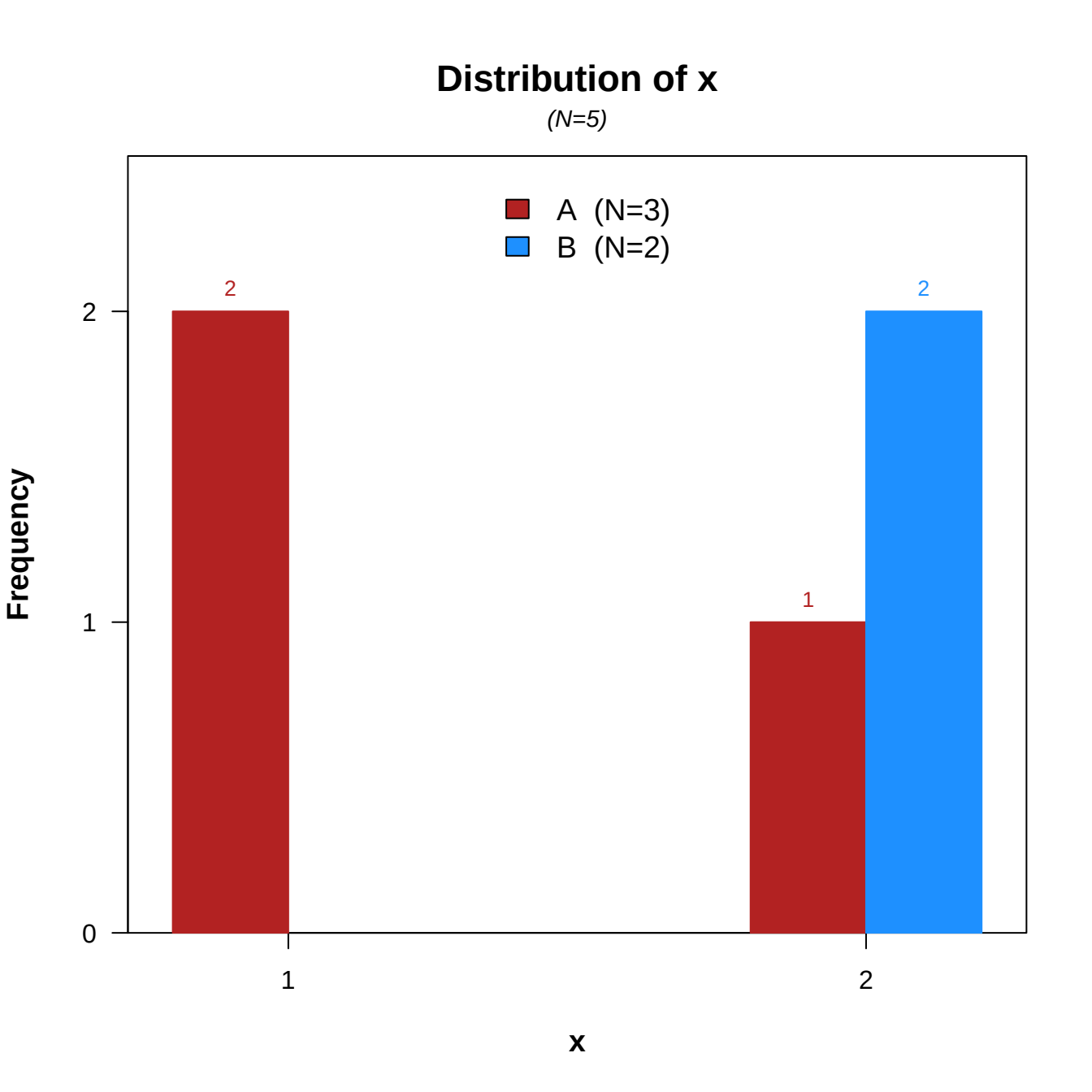

Distribution of x
(N=7)
Frequency
4
3
2
1
0
1
2
3
x

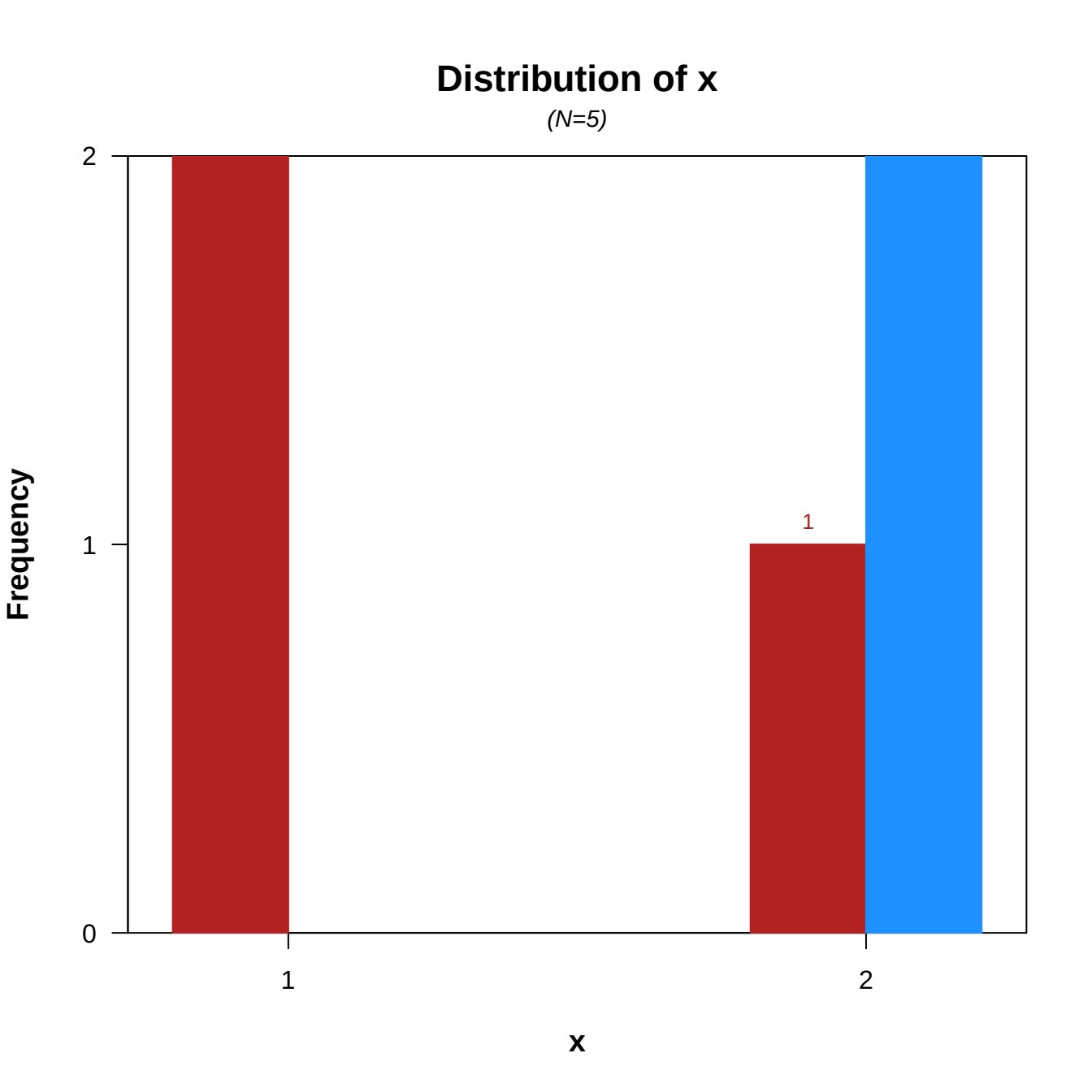

Distribution of value
(N=7)
A (N=4)
B (N=3)
Frequency
0
1
2
1
2
3
value
1
1
2
1
1
1

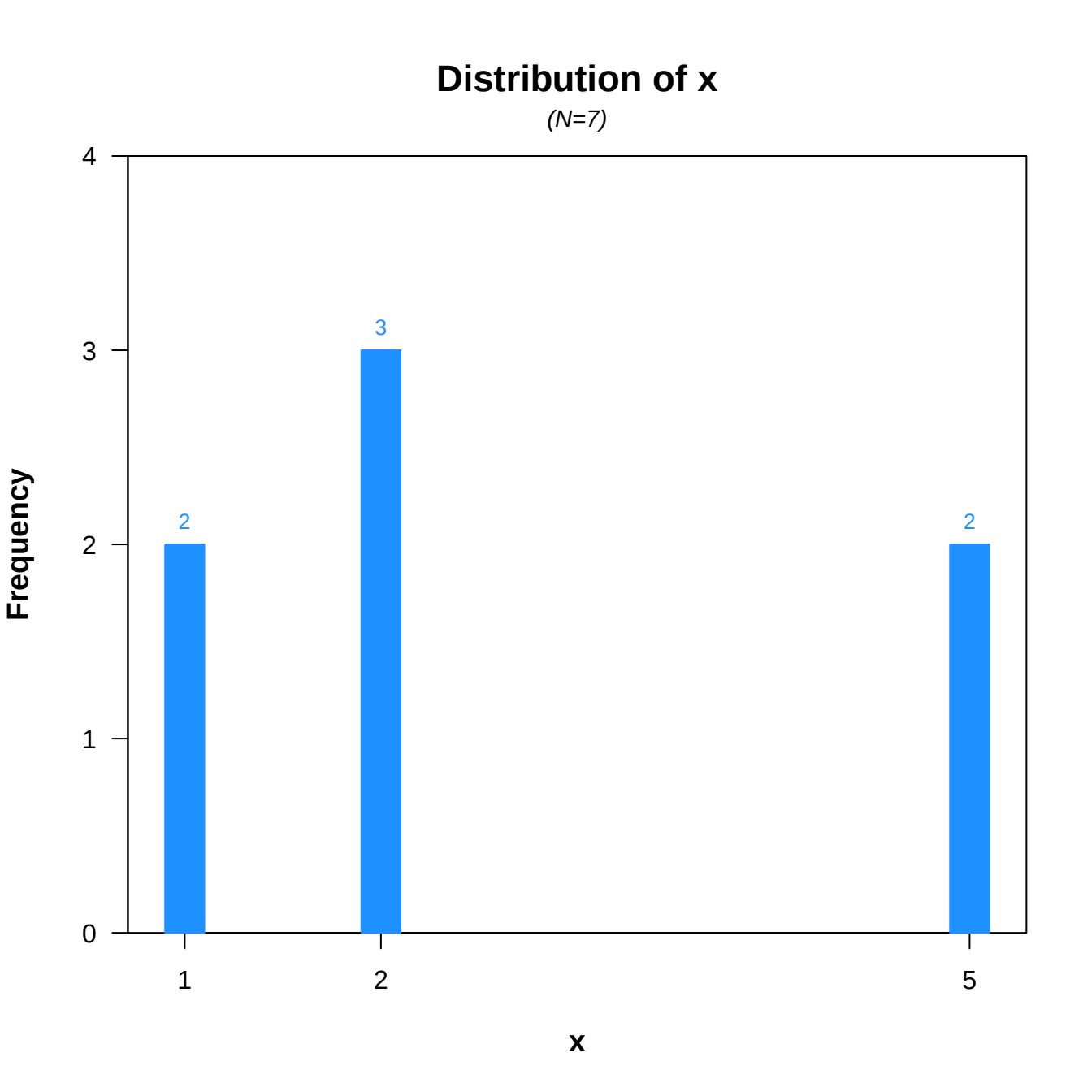

Distribution of x
(N=7)
Frequency
4
3
2
1
0
2
3
2
1
2
3
x

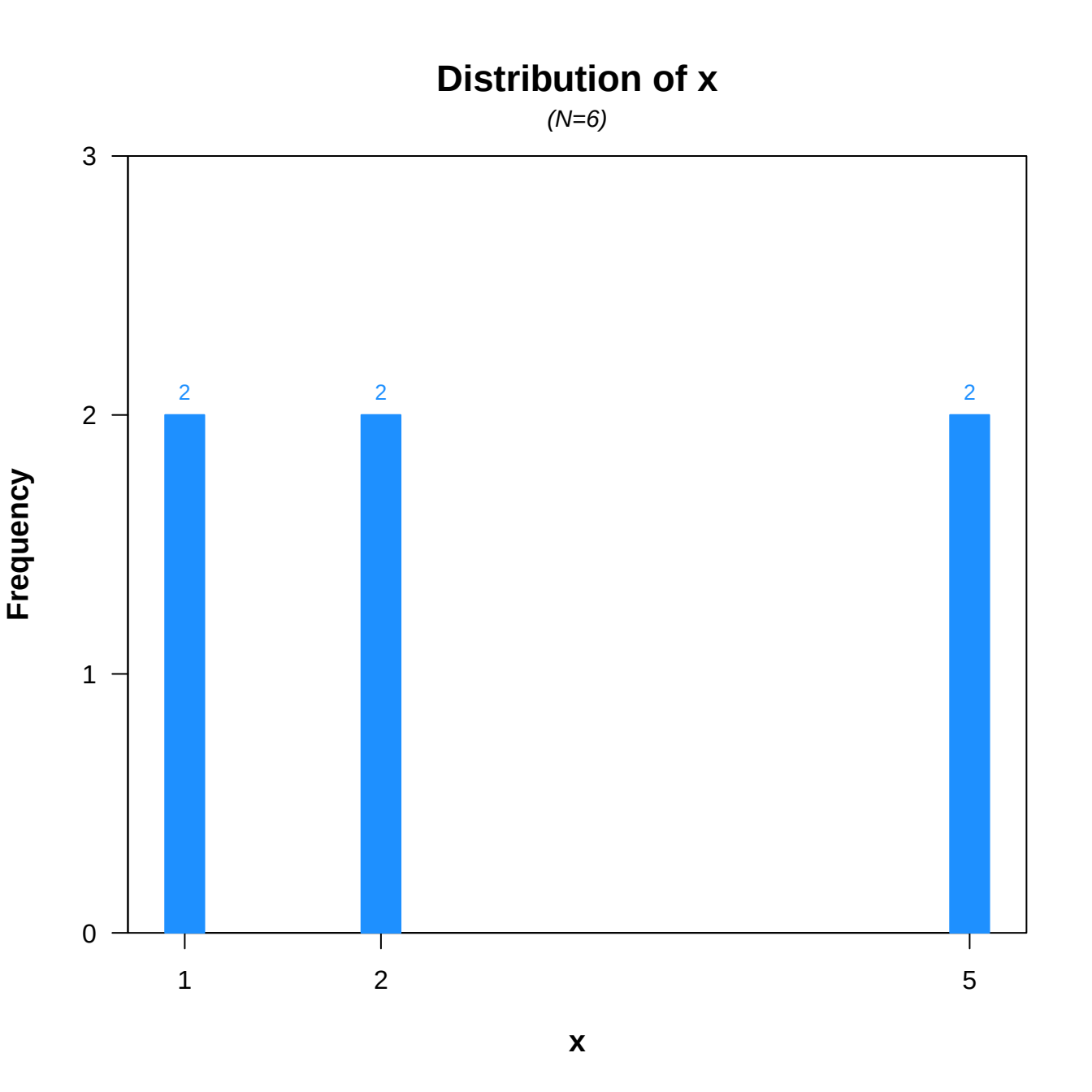

Distribution of x
(N=7)
Frequency
4
3
2
1
0
2
3
2
1
2
3
x

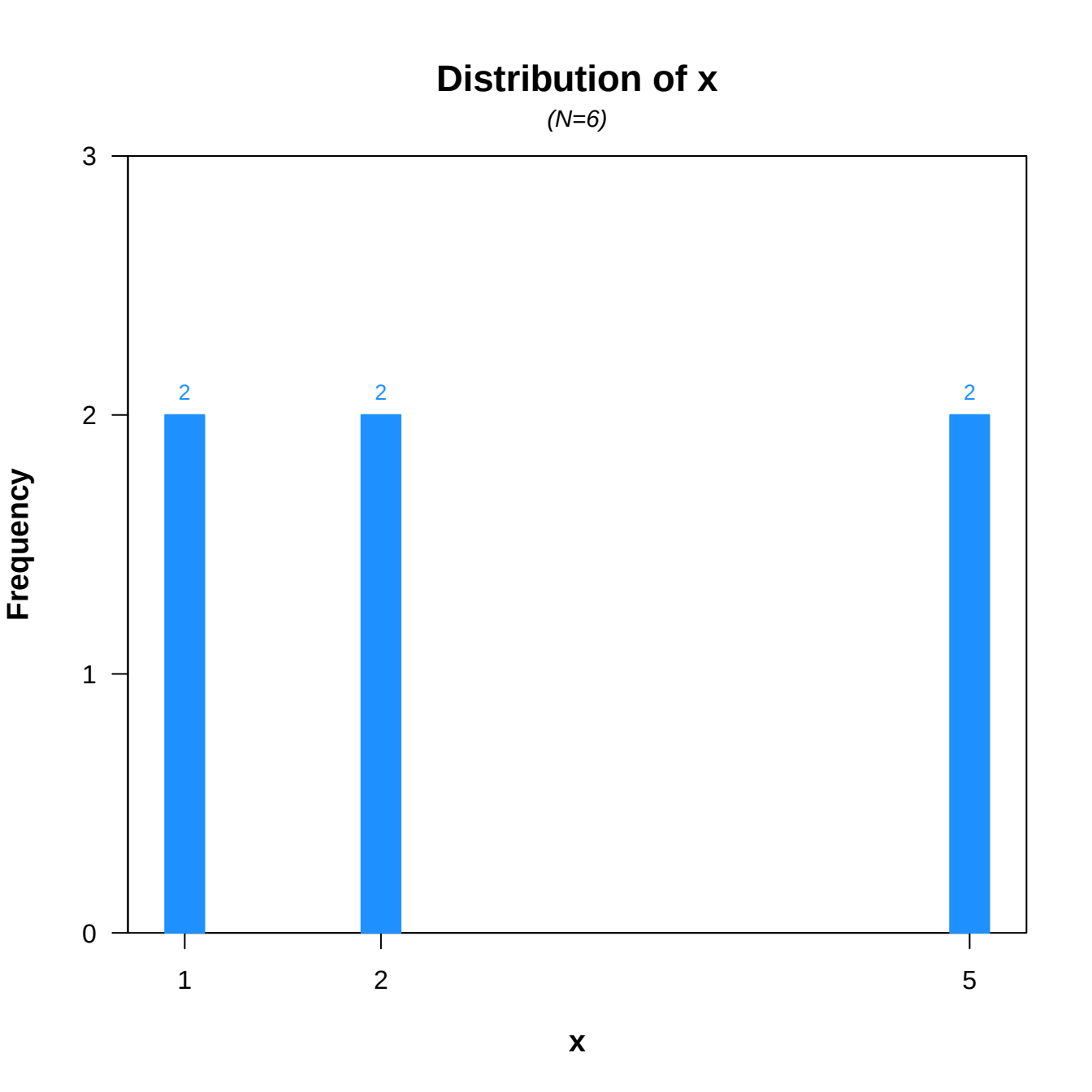

Distribution of x
(N=50)
Frequency
x
0
1
2
5
10
15
20
25
30
35
40
45
50

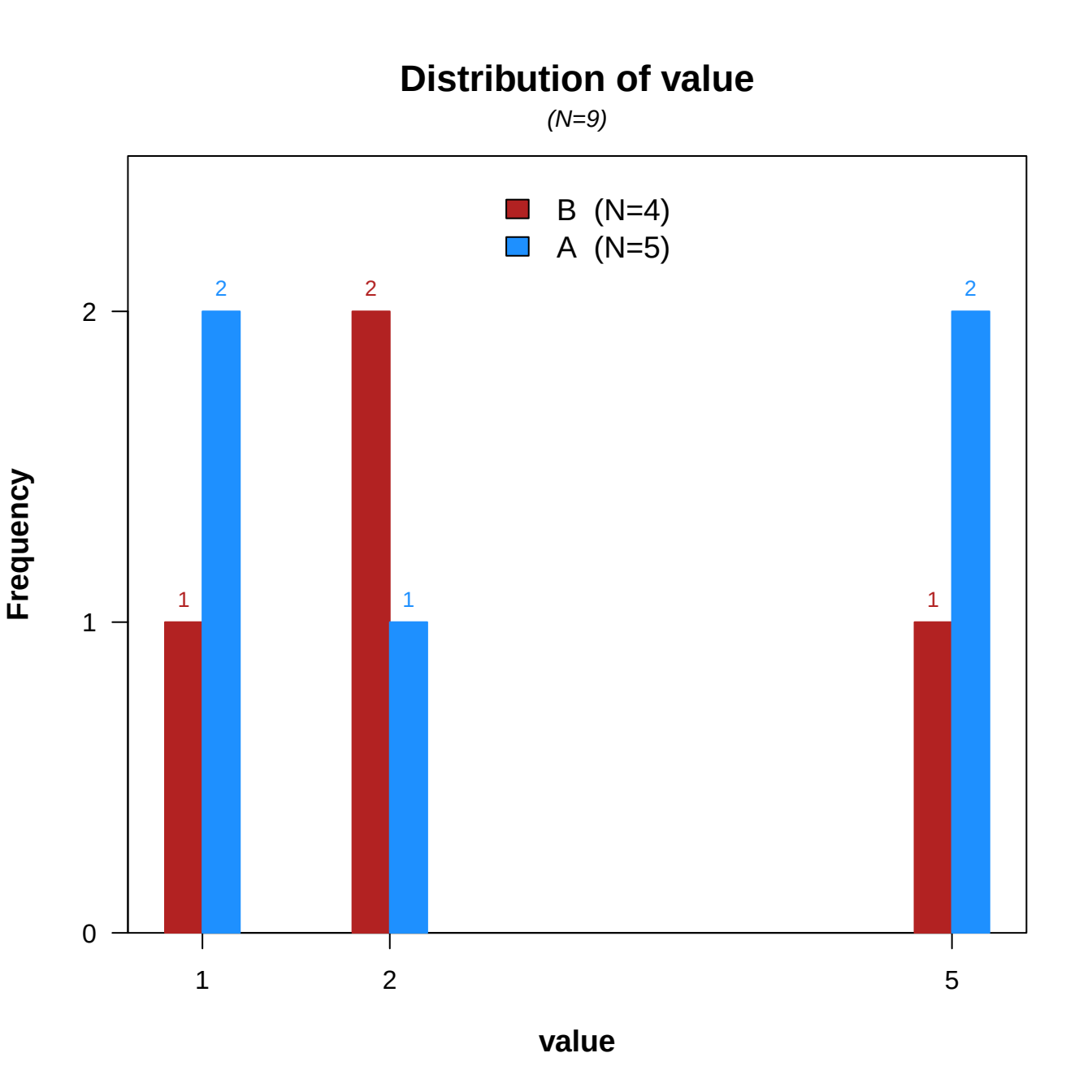

Distribution of x
(N=5)
A (N=3)
B (N=2)
2
2
1
2
Frequency
2
1
0
1
2
x

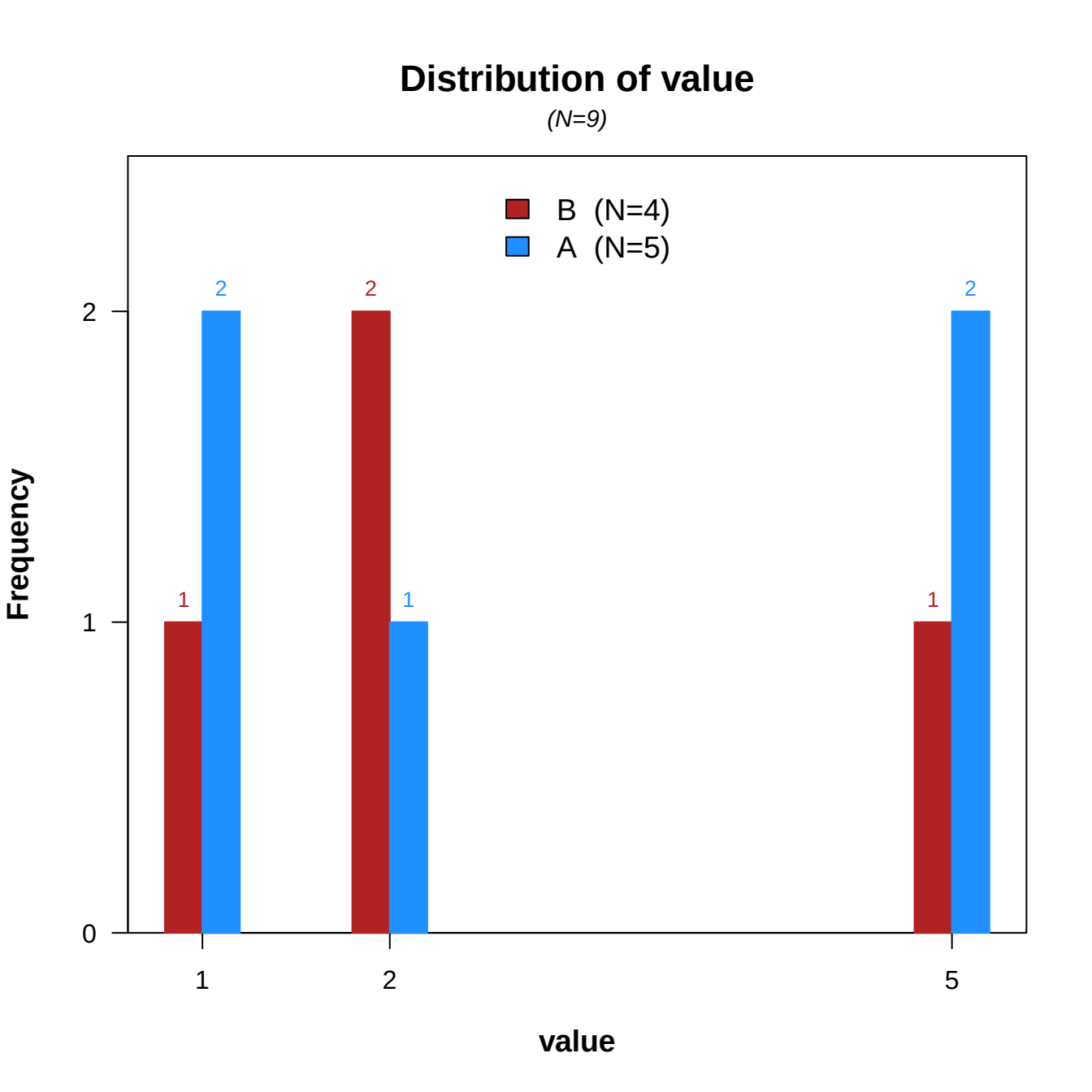

Distribution of x
(N=5)
Frequency
2
1
0
1
1
2
x

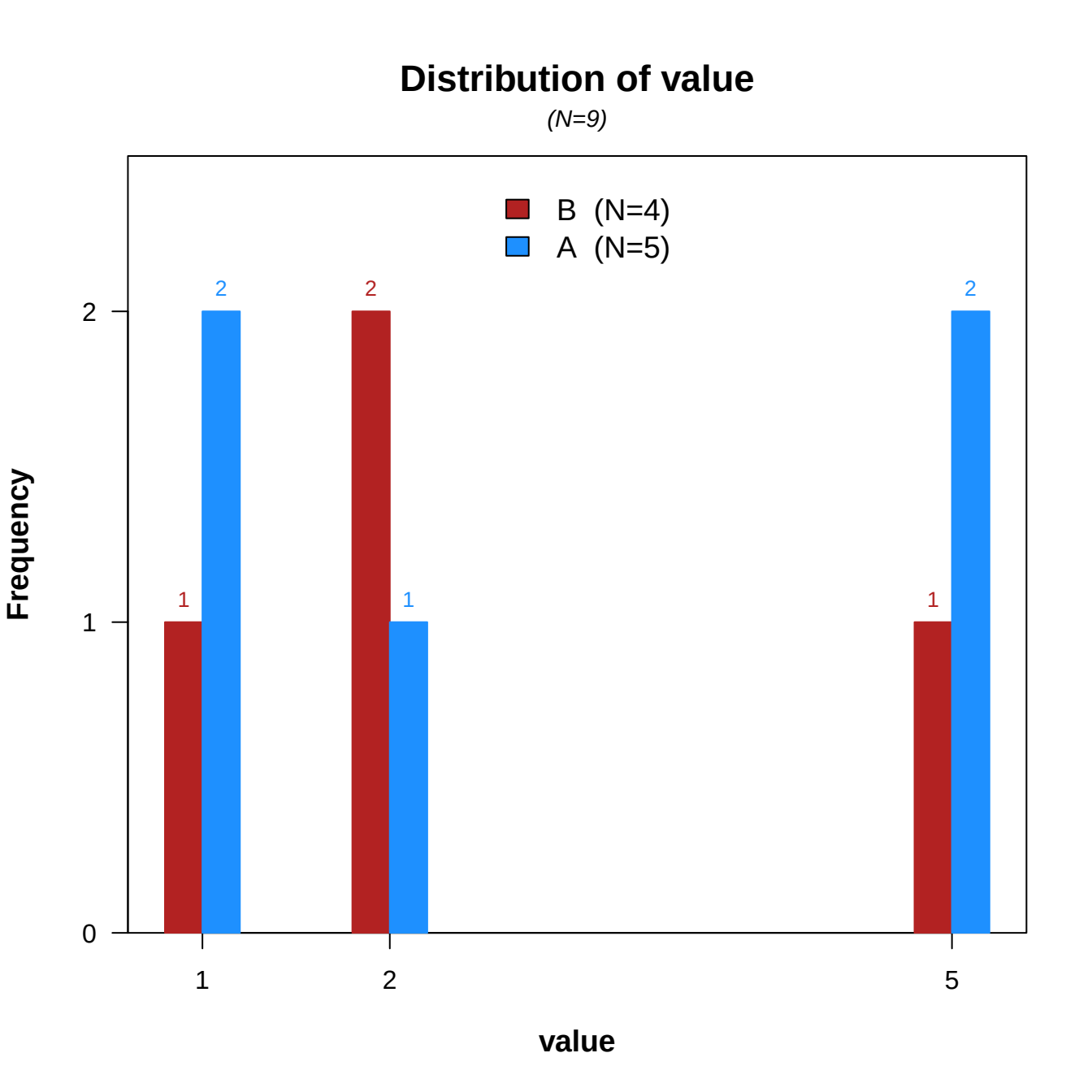

Distribution of x
(N=7)
Frequency
4
3
2
1
0
2
3
2
1
2
5
x

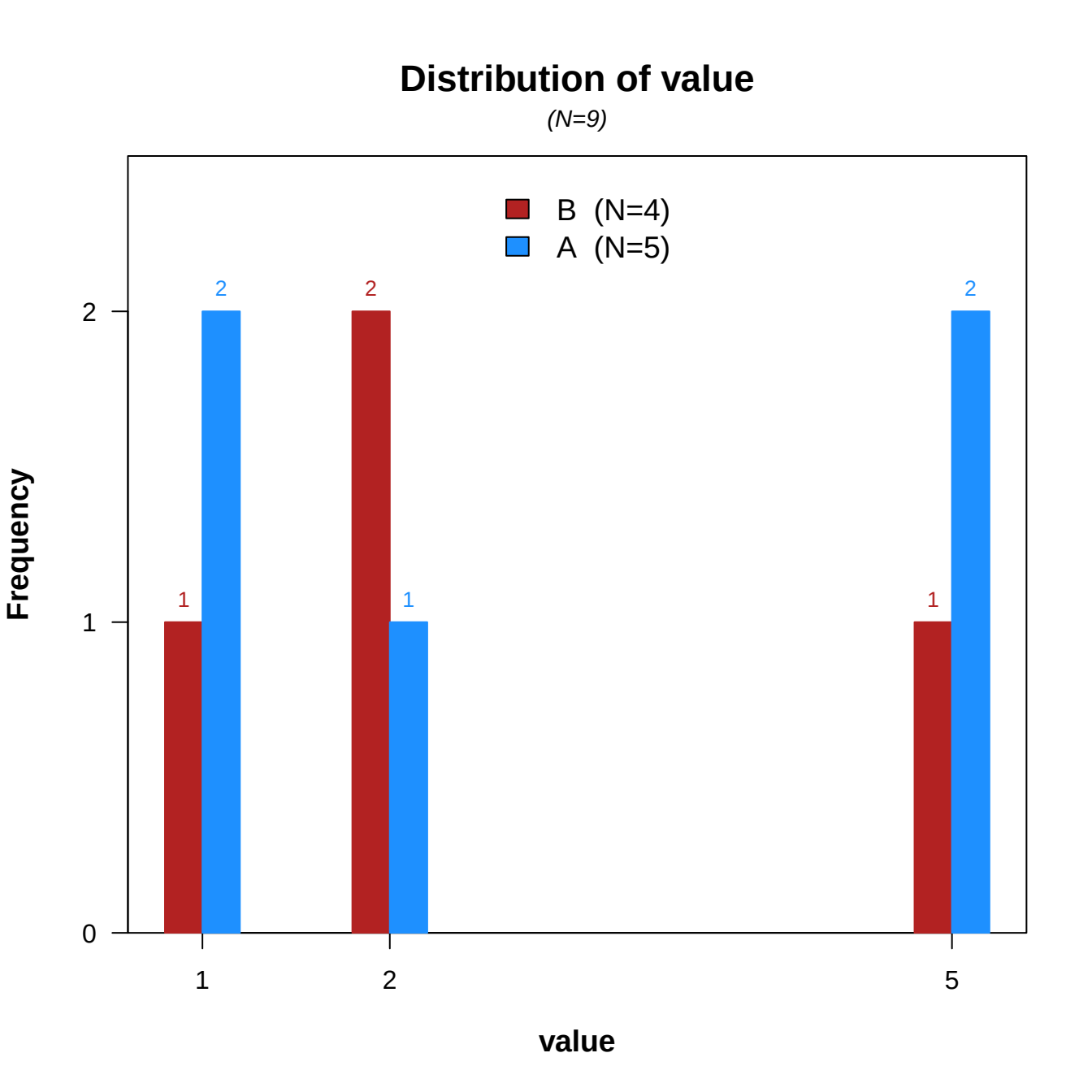

Distribution of x
(N=6)
Frequency
3
2
1
0
2
2
2
1
2
5
x

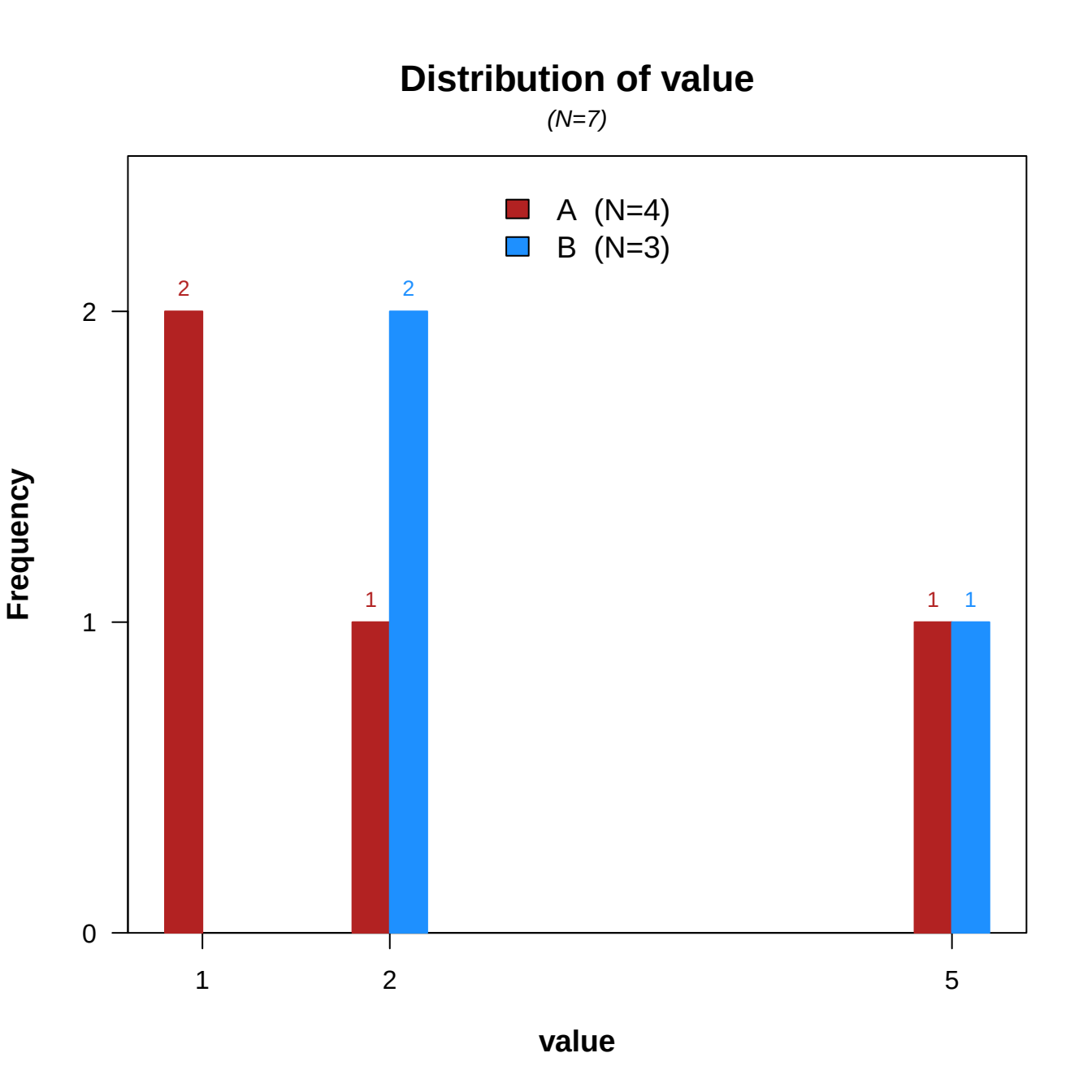

Distribution of x
(N=6)
Frequency
3
2
1
0
2
2
2
1
2
5
x

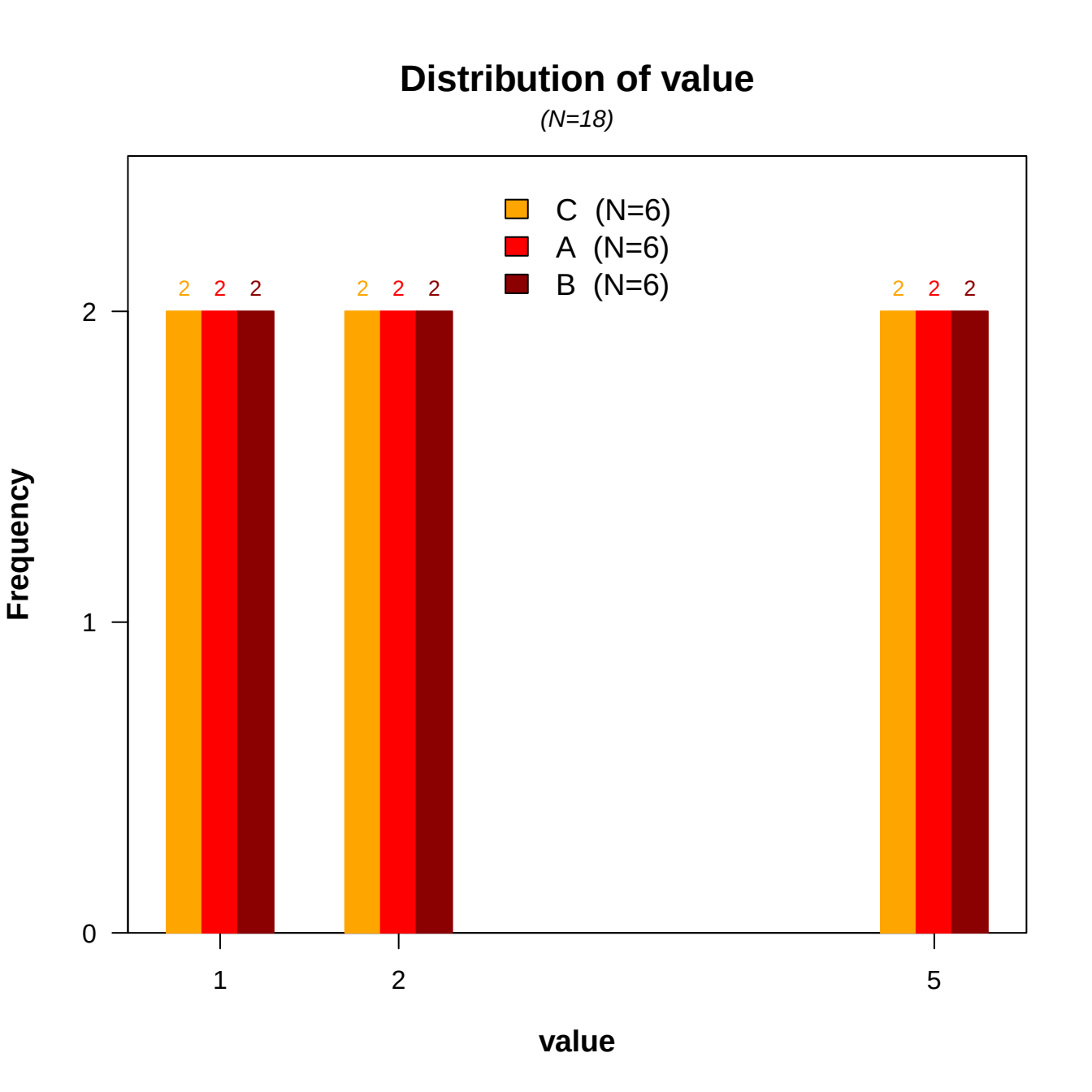

Distribution of value
(N=9)
B (N=4)
A (N=5)
Frequency
0
1
2
1
2
5
value
1
2
2
1
1
2

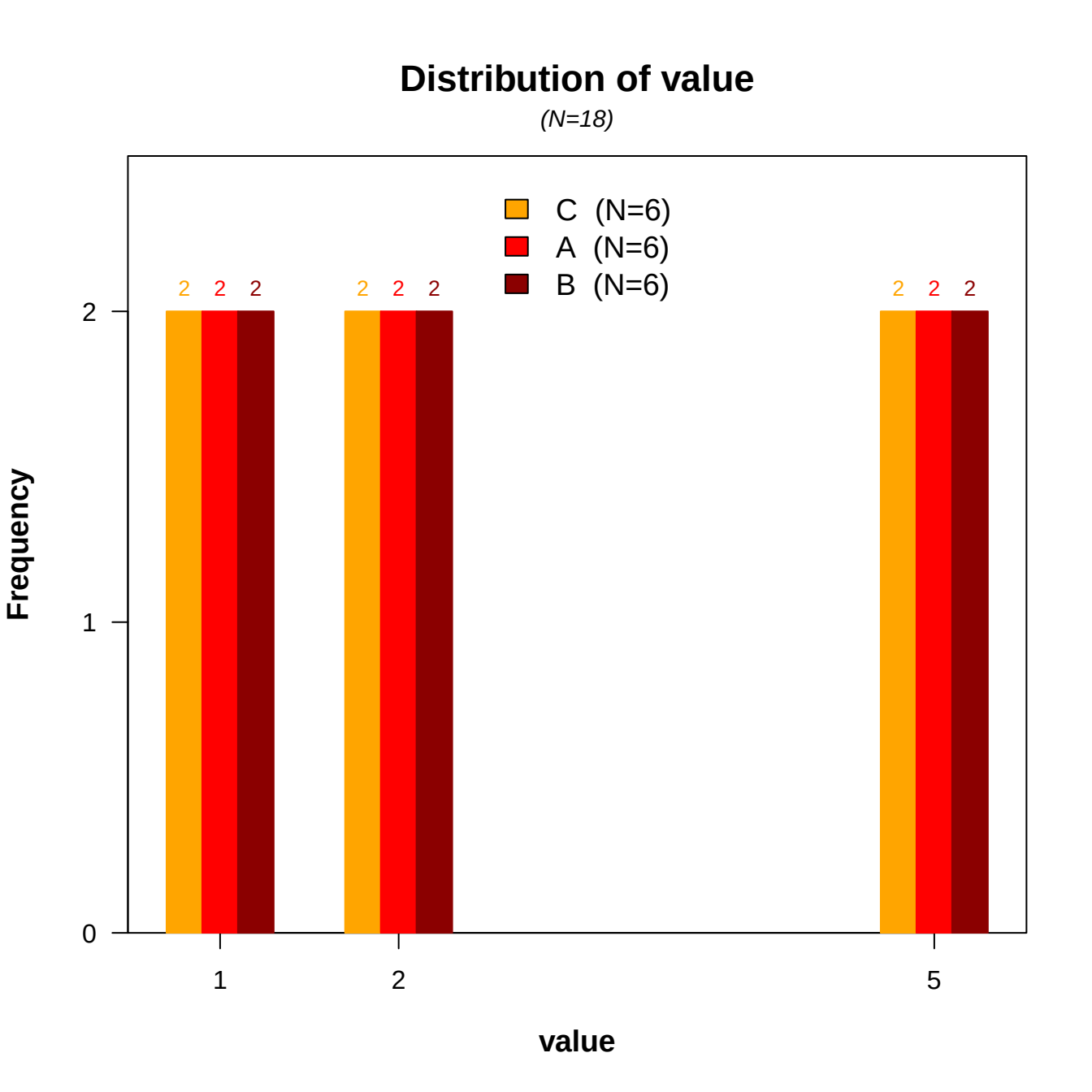

Distribution of value
(N=9)
B (N=4)
A (N=5)
Frequency
0
1
2
1
2
5
value
1
2
2
1
1
2

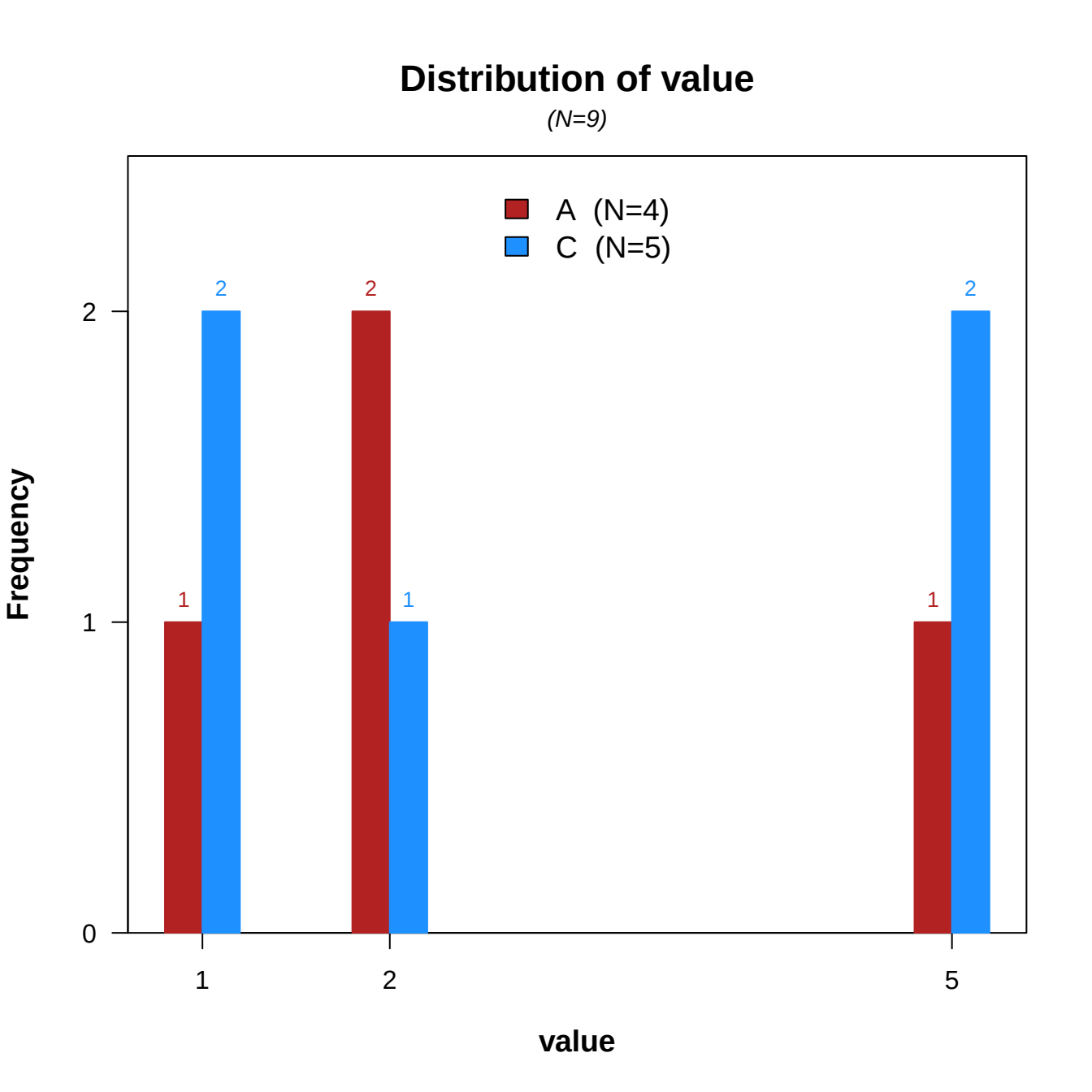

Distribution of value
(N=9)
B (N=4)
A (N=5)
Frequency
0
1
2
1
2
5
value
1
2
2
1
1
2

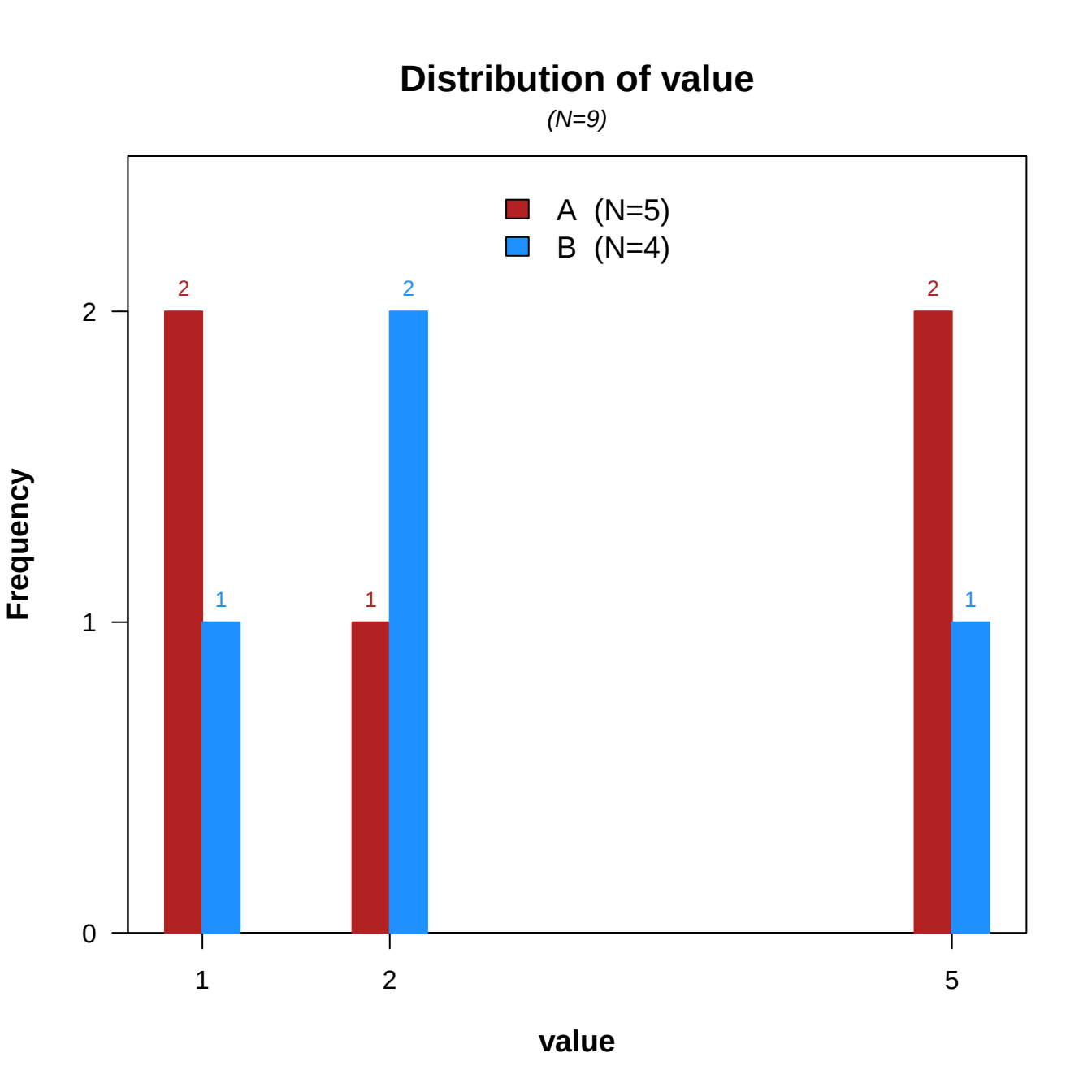

Distribution of value
(N=9)
B (N=4)
A (N=5)
Frequency
0
1
2
1
2
5
value
1
2
2
1
1
2

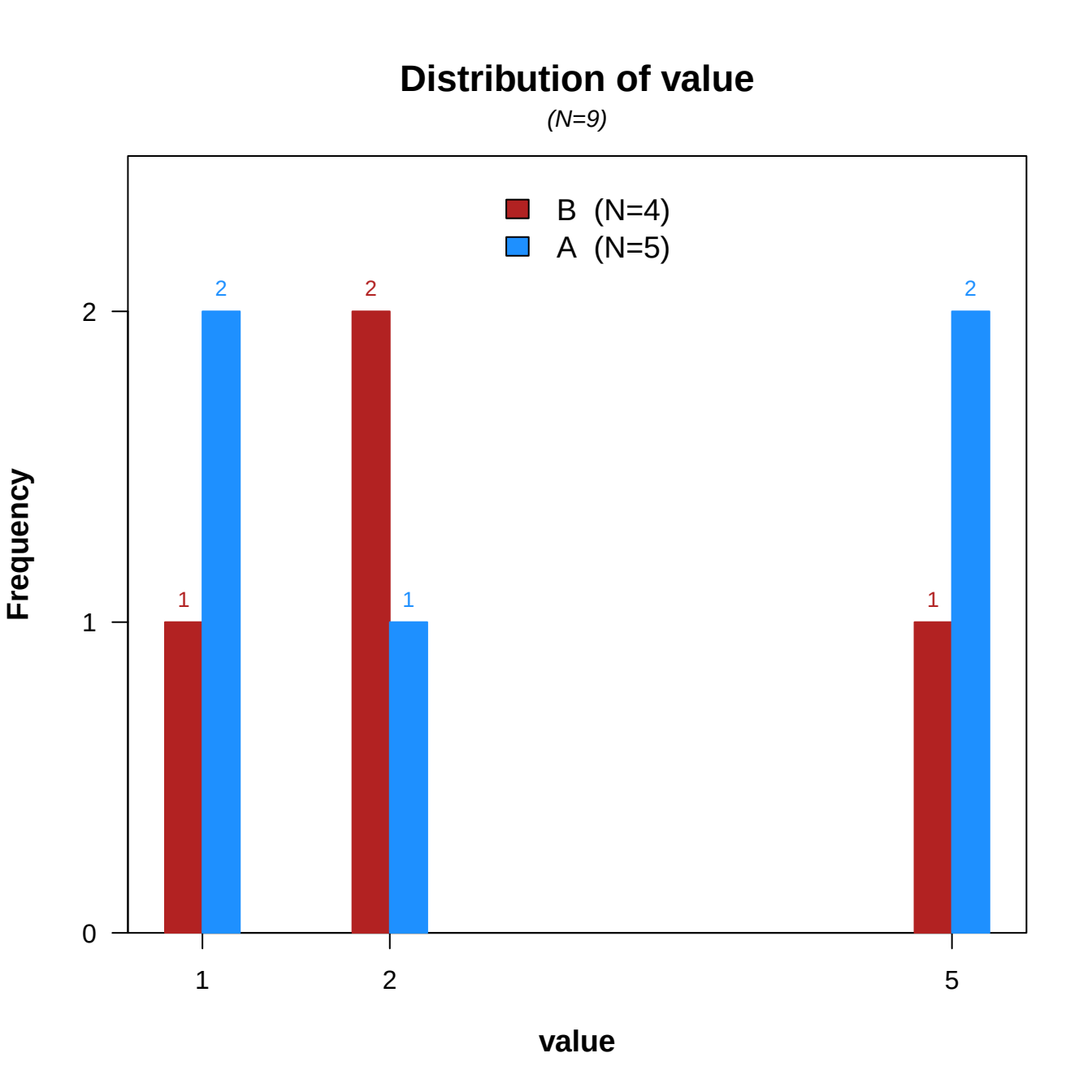

Distribution of value
(N=7)
A (N=4)
B (N=3)
Frequency
0
1
2
2
2
1
1
1
1
2
5
value

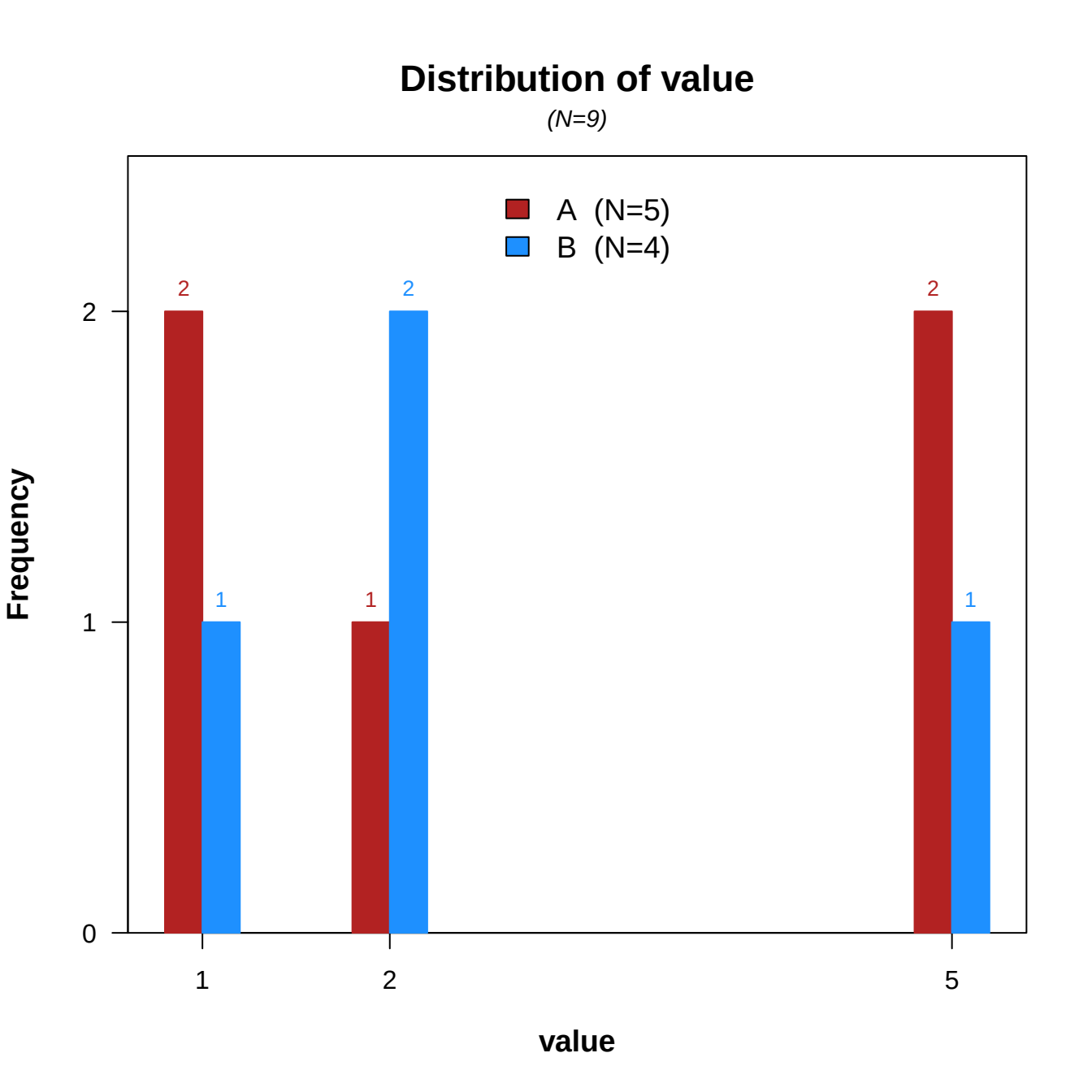

Distribution of value
(N=18)
C (N=6)
A (N=6)
B (N=6)
2 2 2
2 2 2
2 2 2
Frequency
0
1
2
1
2
5
value

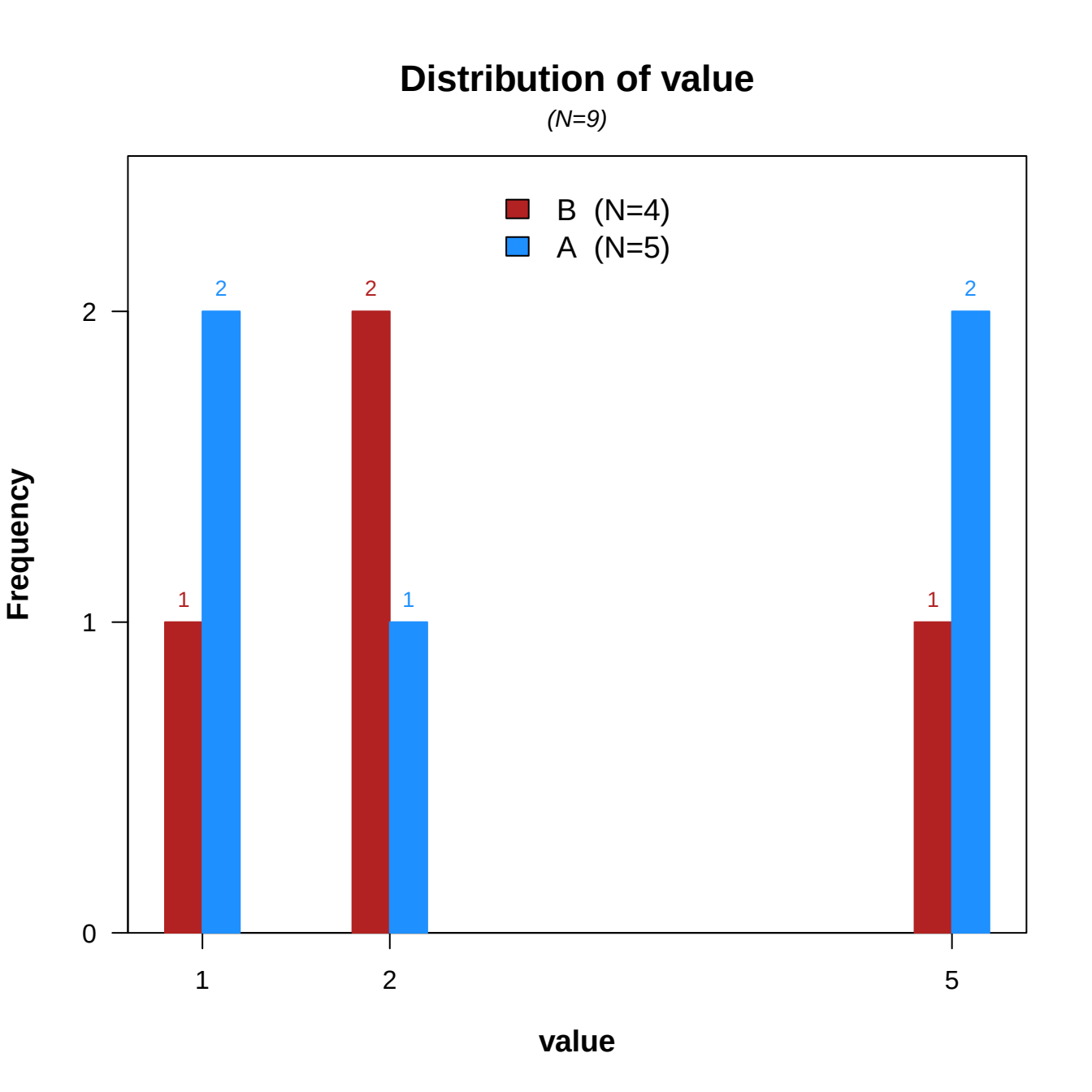

Distribution of value
(N=18)
C (N=6)
A (N=6)
B (N=6)
2 2 2
2 2 2
2 2 2
Frequency
0
1
2
1
2
5
value

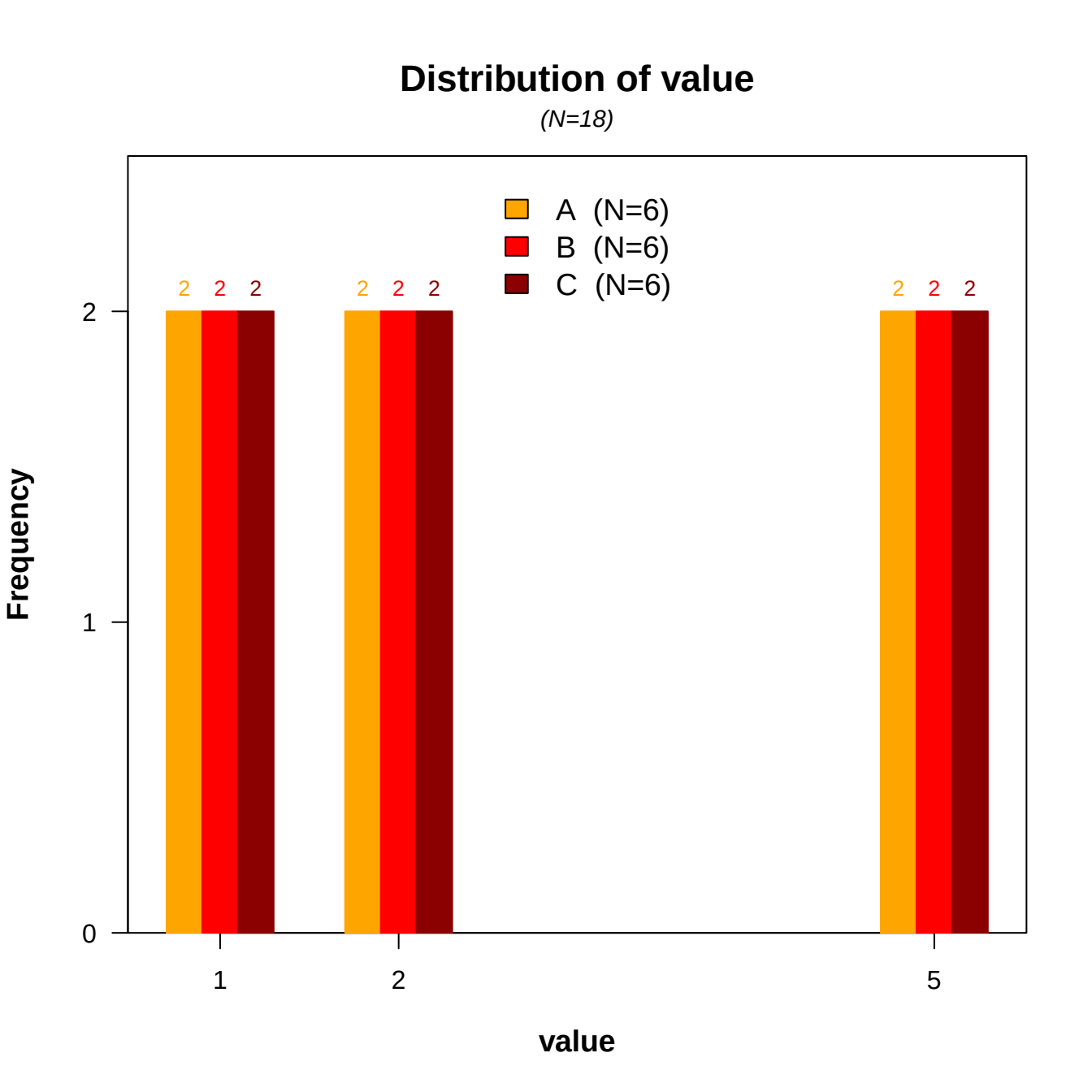

Distribution of value
(N=9)
A (N=4)
C (N=5)
Frequency
0
1
2
1
2
5
value
1
2
1
2
1
2

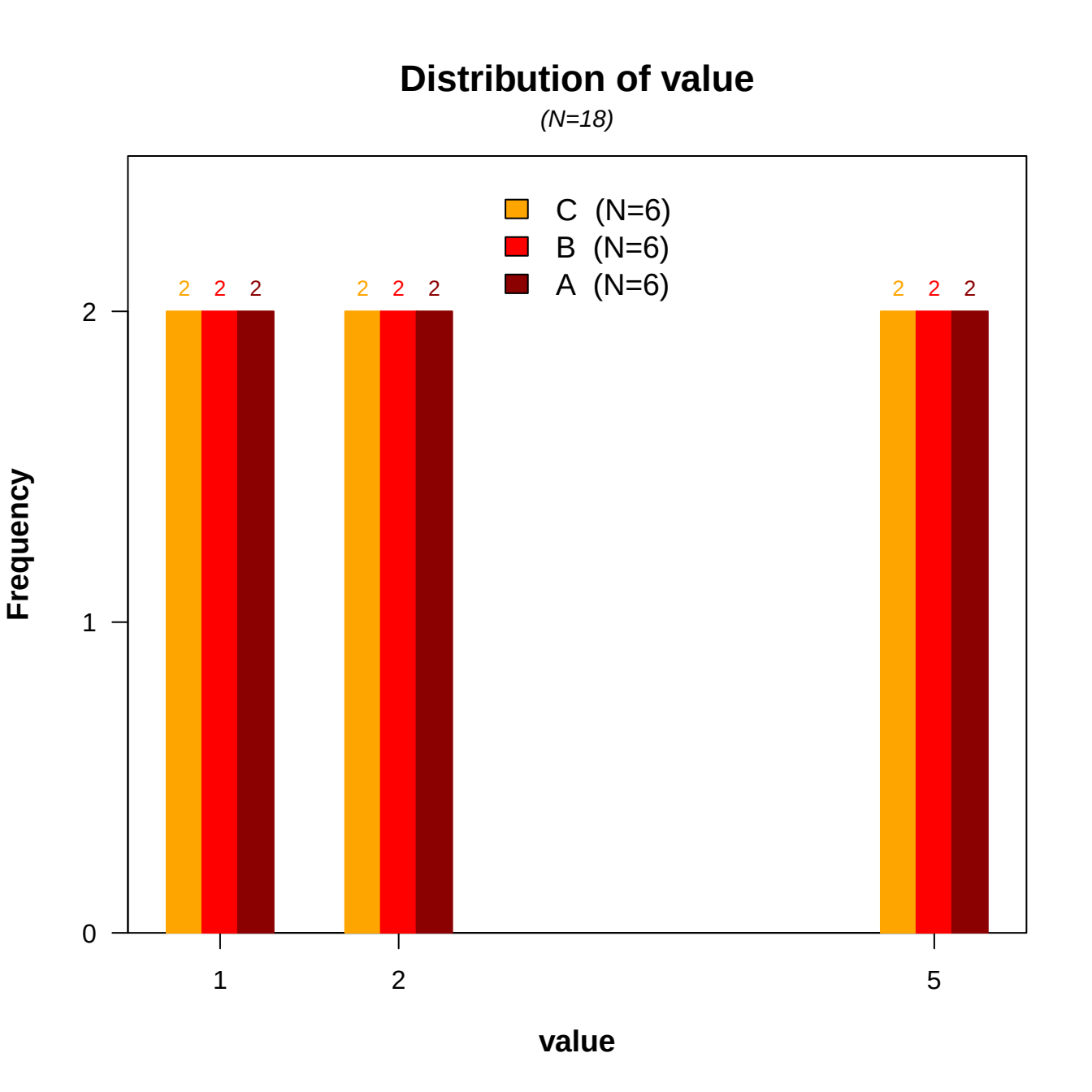

Distribution of value
(N=9)
A (N=5)
B (N=4)
Frequency
0
1
2
2
1
2
1
2
1
1
2
5
value

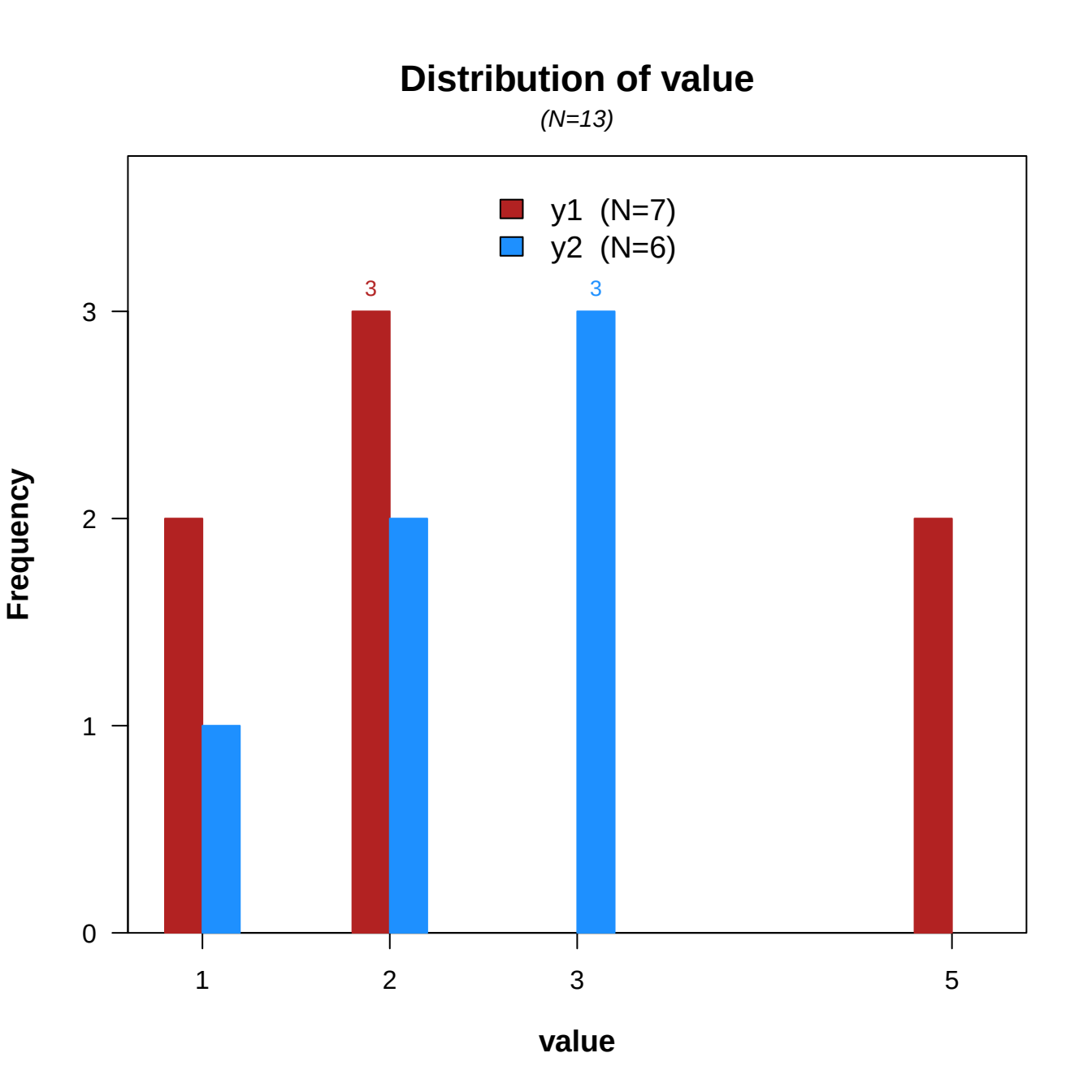

Distribution of value
(N=9)
B (N=4)
A (N=5)
Frequency
0
1
2
1
2
5
value
1
2
2
1
1
2

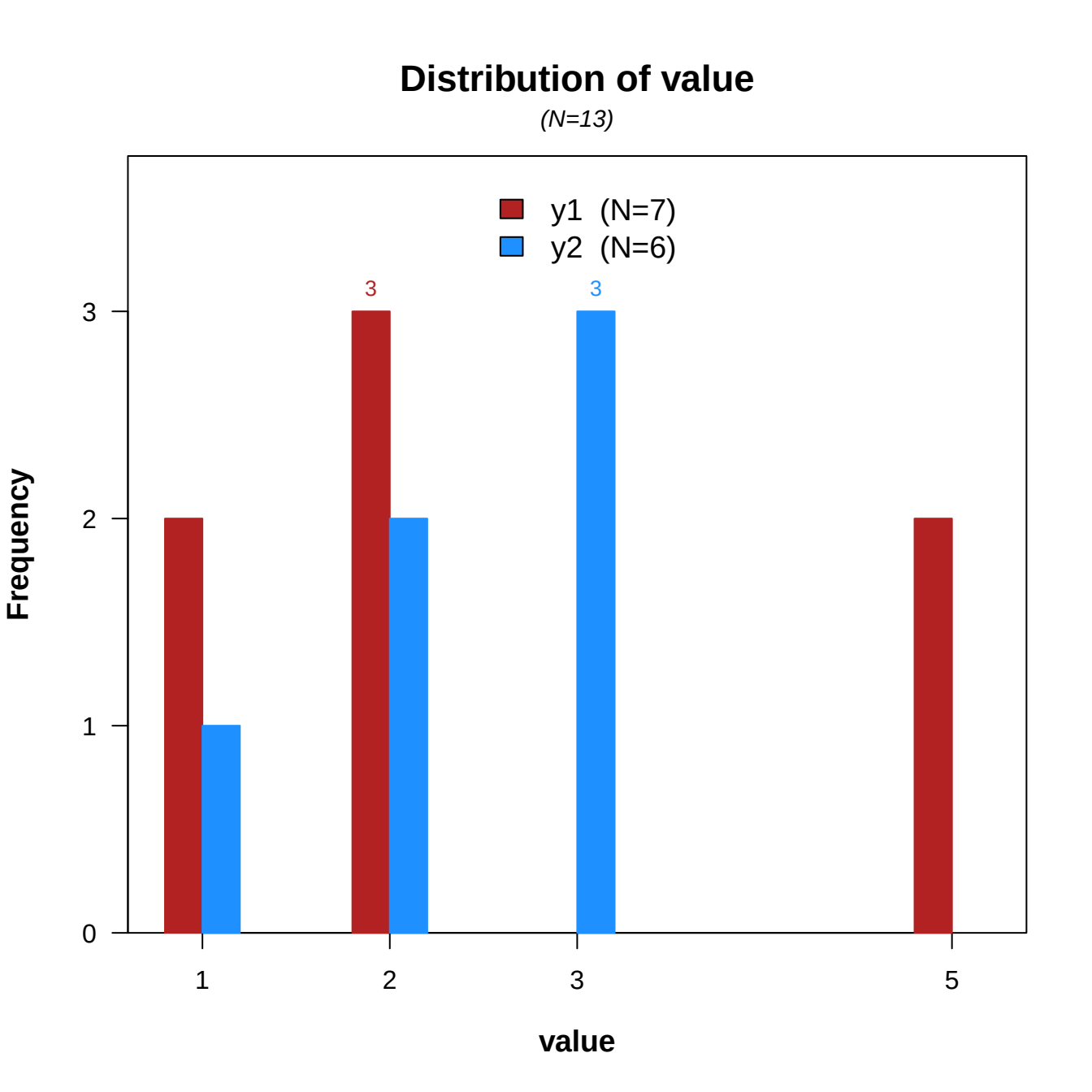

Distribution of value
(N=9)
A (N=5)
B (N=4)
Frequency
0
1
2
2
1
2
1
2
1
1
2
5
value

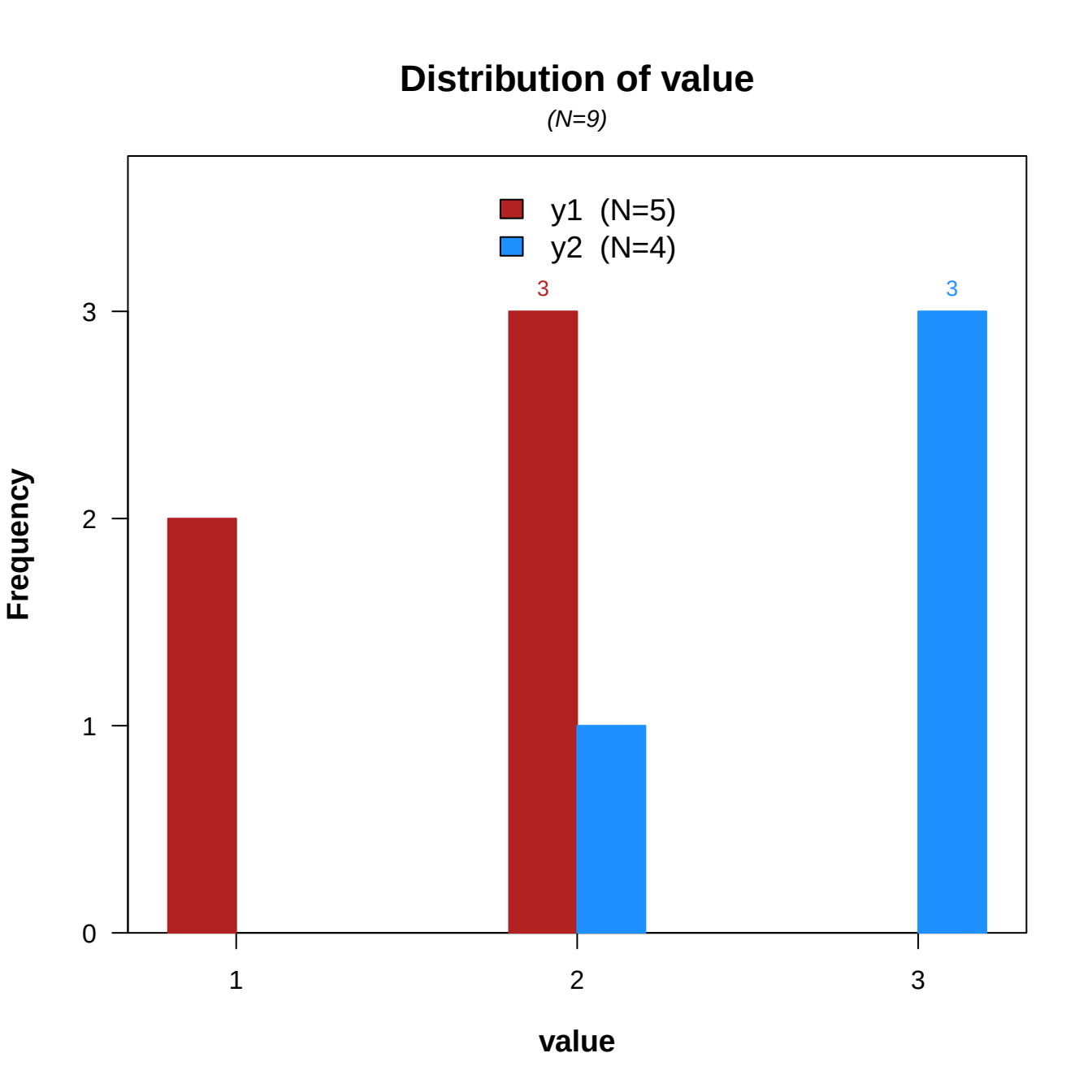

Distribution of value
(N=9)
B (N=4)
A (N=5)
Frequency
0
1
2
1
2
5
value
1
2
2
1
1
2

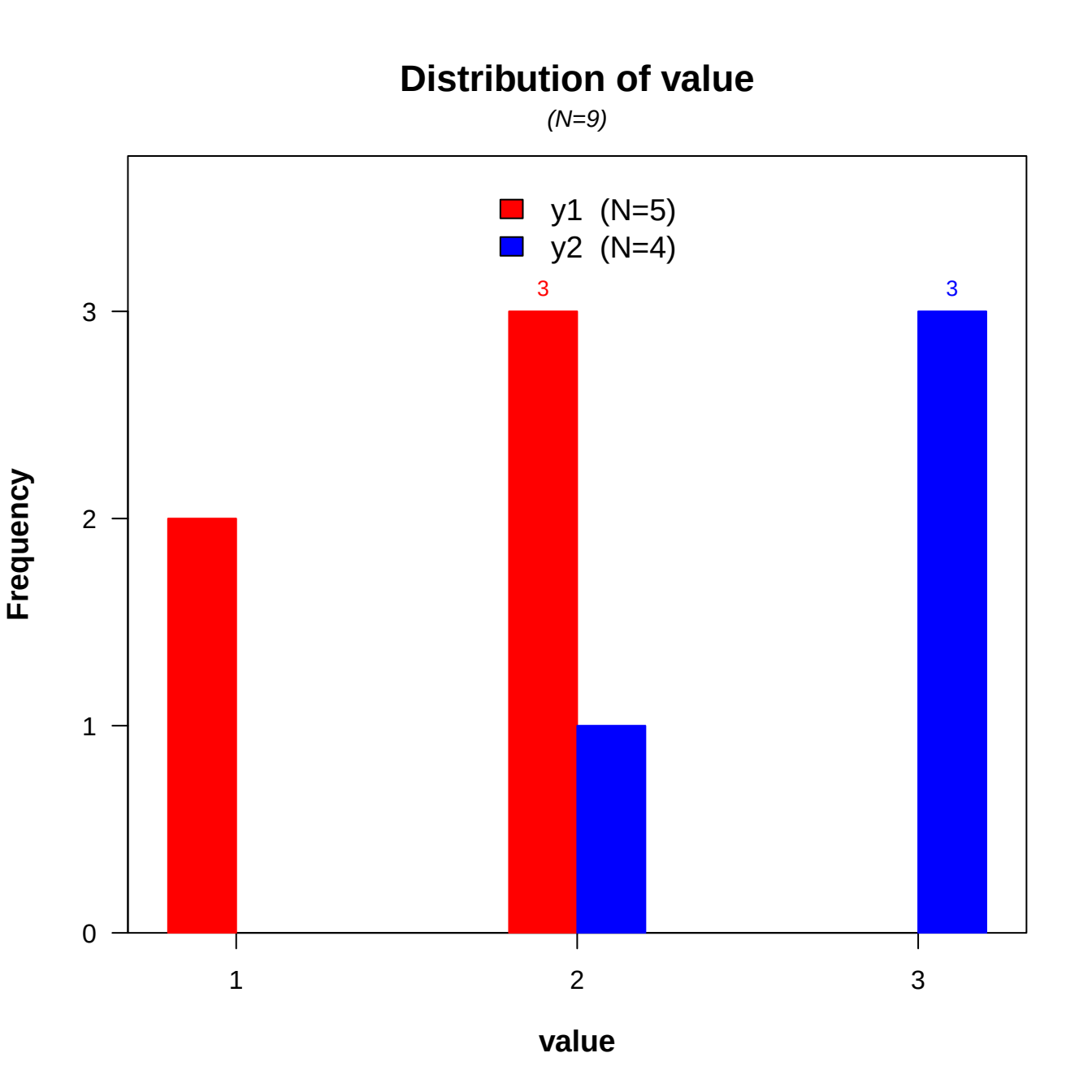

Distribution of value
(N=18)
A (N=6)
B (N=6)
C (N=6)
2 2 2
2 2 2
2 2 2
Frequency
0
1
2
1
2
5
value

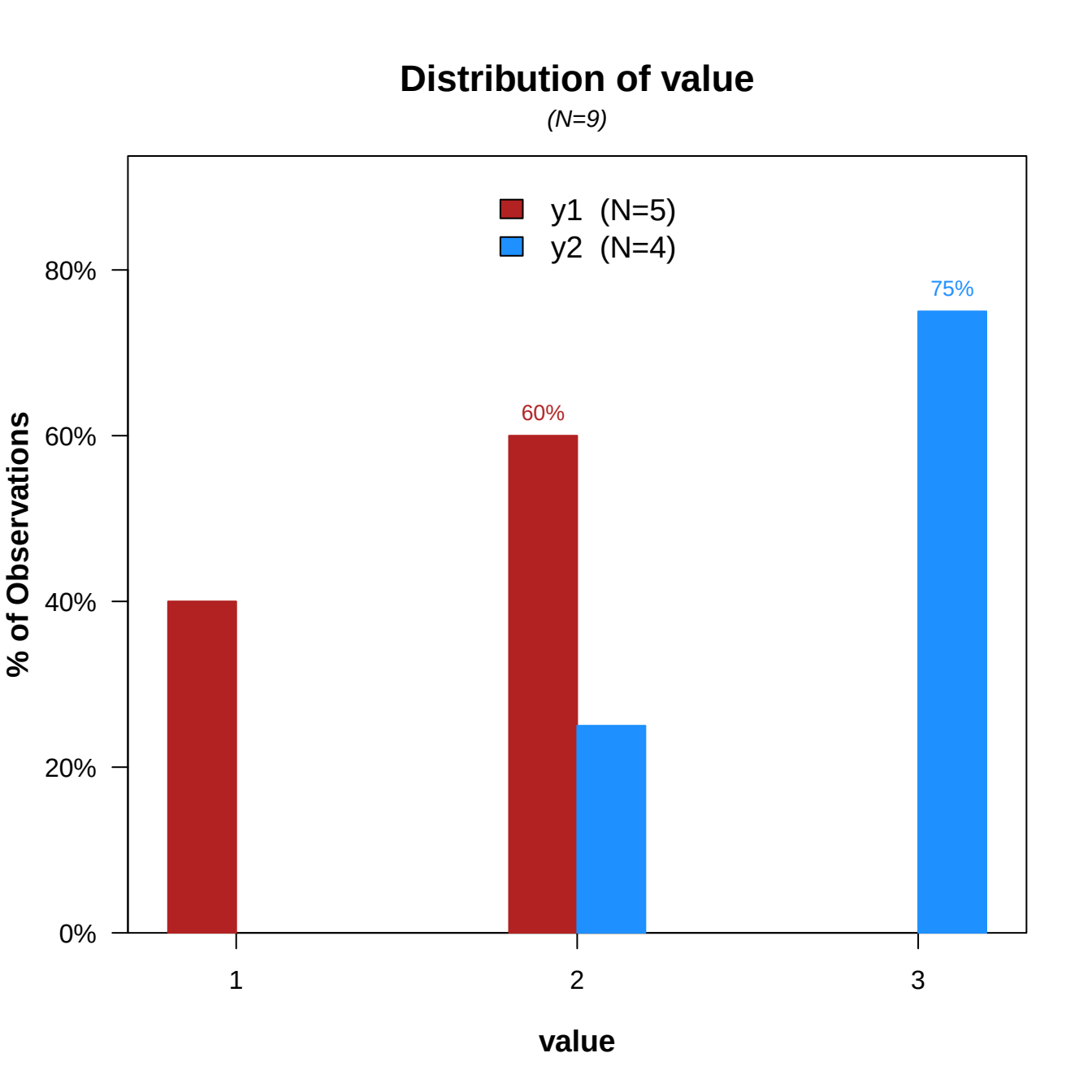

Distribution of value
(N=18)
C (N=6)
B (N=6)
A (N=6)
2 2 2
2 2 2
2 2 2
Frequency
0
1
2
1
2
5
value

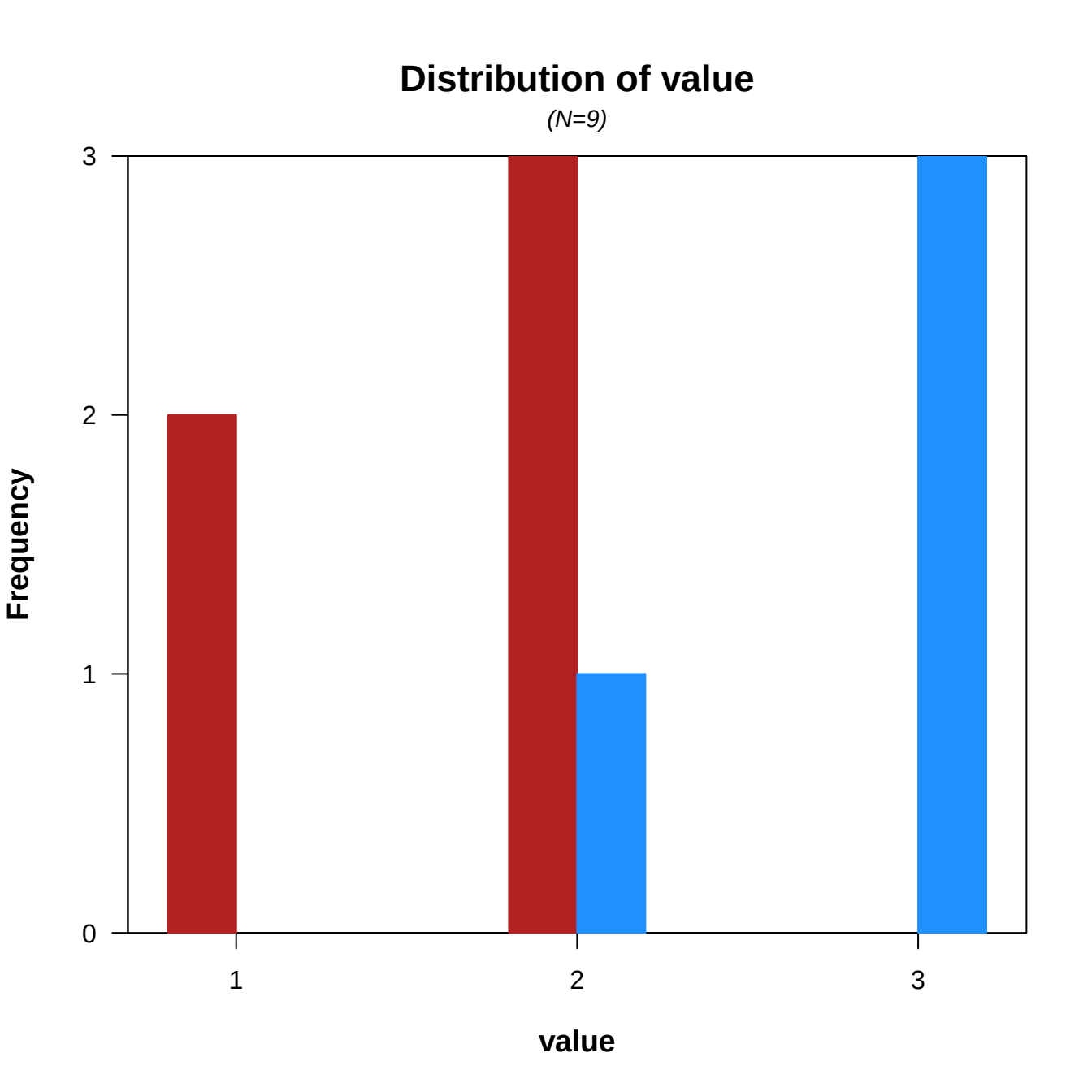

Distribution of value
(N=13)
y1 (N=7)
y2 (N=6)
3
3
Frequency
0
1
2
3
1
2
3
5
value

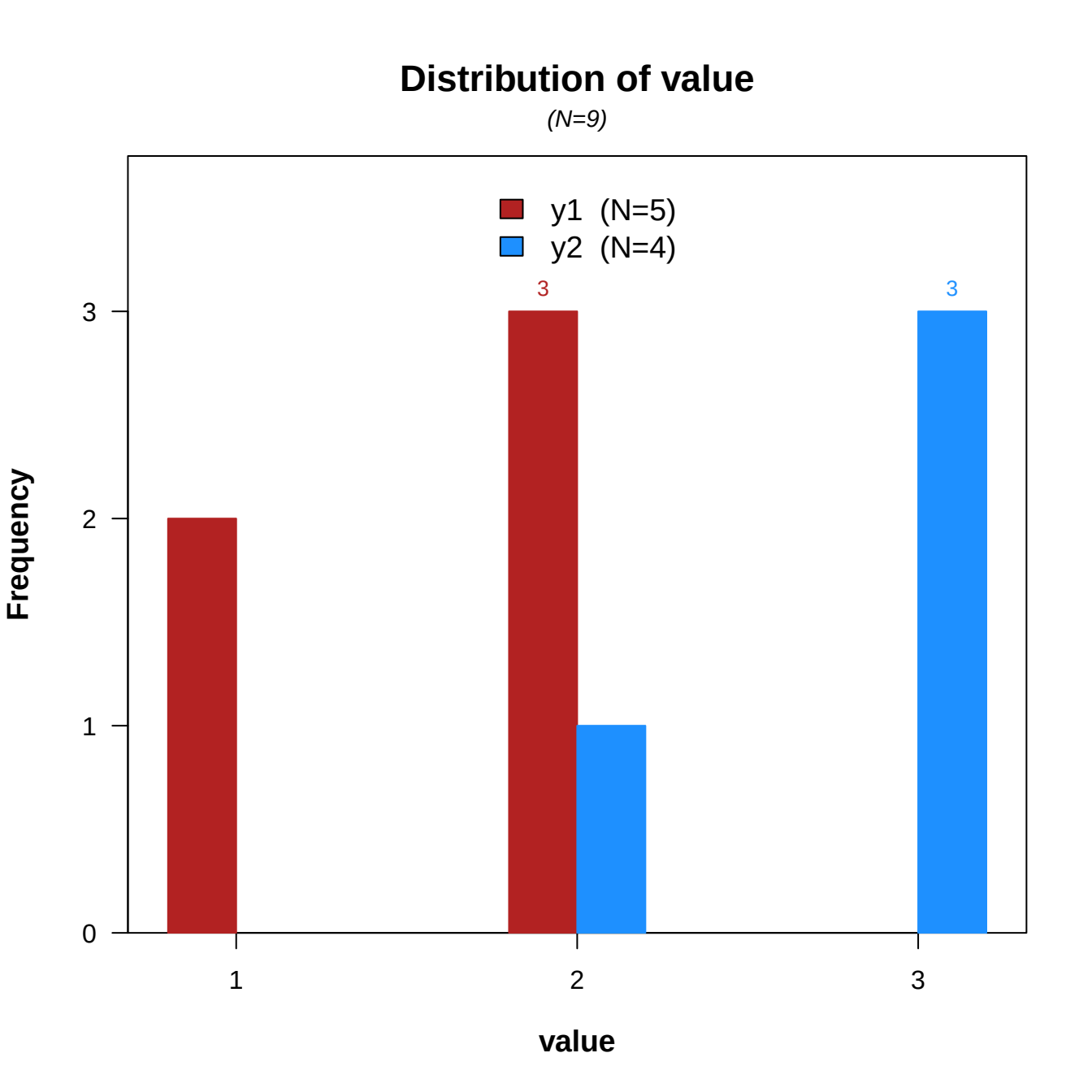

Distribution of value
(N=13)
y1 (N=7)
y2 (N=6)
3
3
Frequency
0
1
2
3
1
2
3
5
value

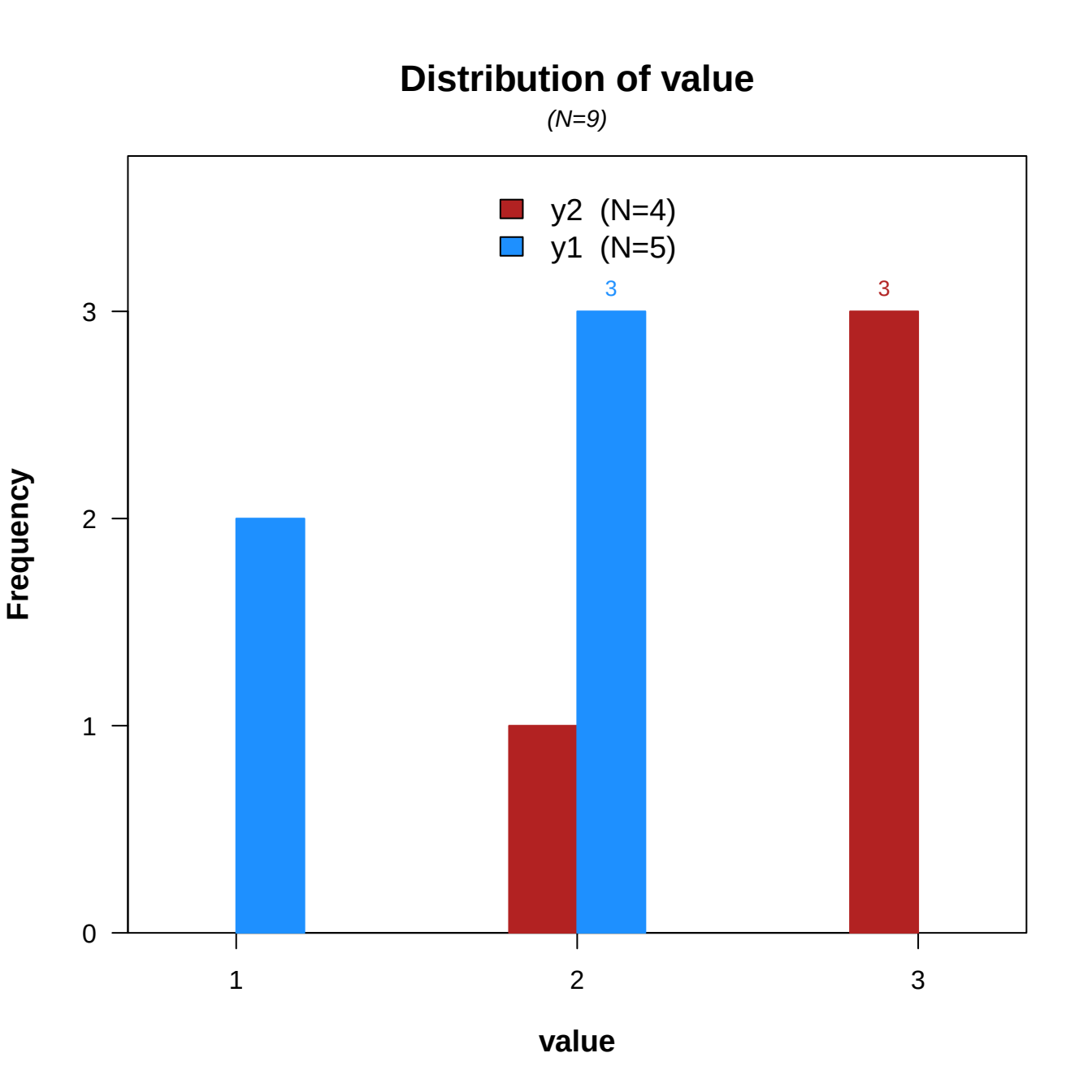

Distribution of value
(N=9)
y1 (N=5)
y2 (N=4)
3
3
Frequency
0
1
2
3
1
2
3
value

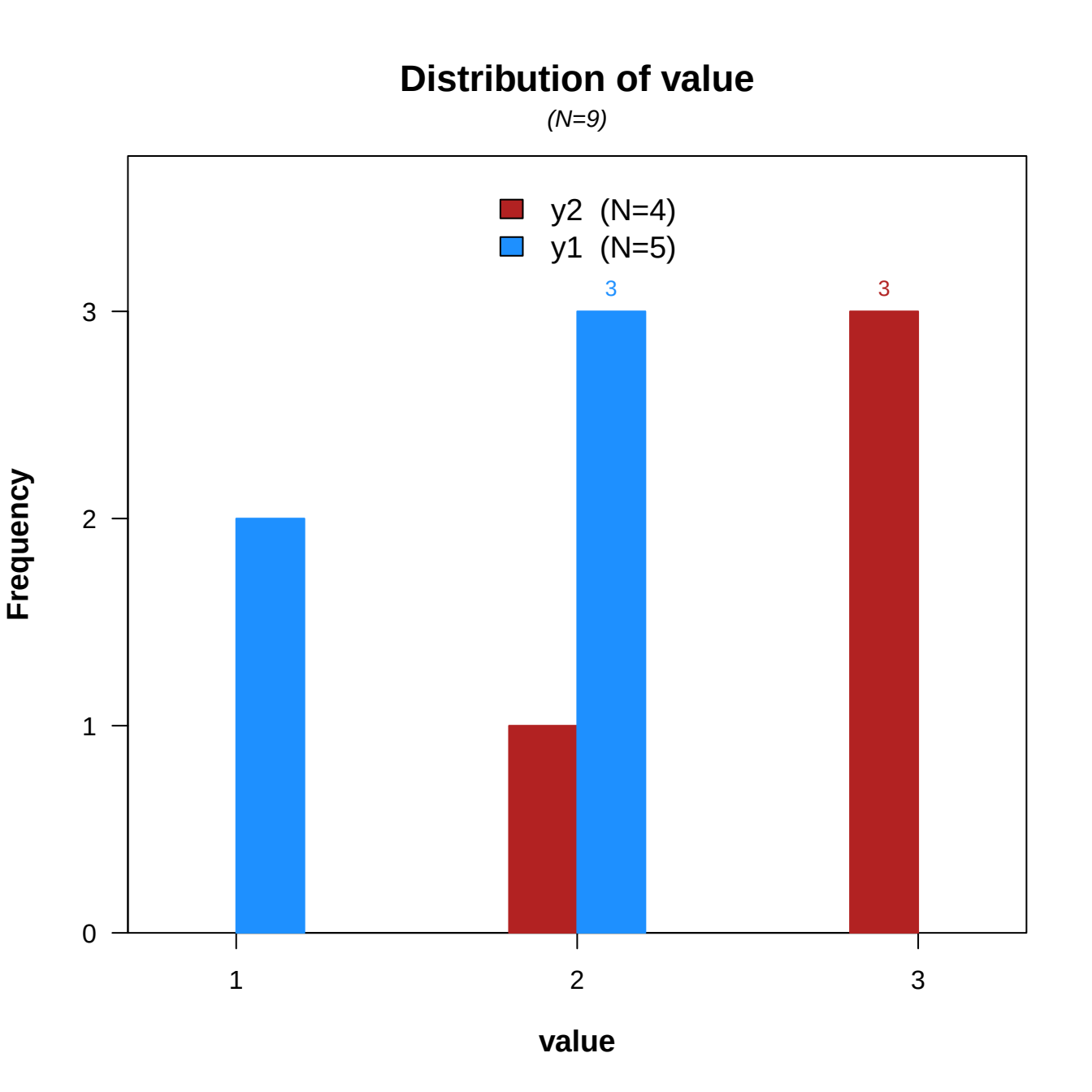

Distribution of value
(N=9)
y1 (N=5)
y2 (N=4)
3
3
Frequency
0
1
2
3
1
2
3
value

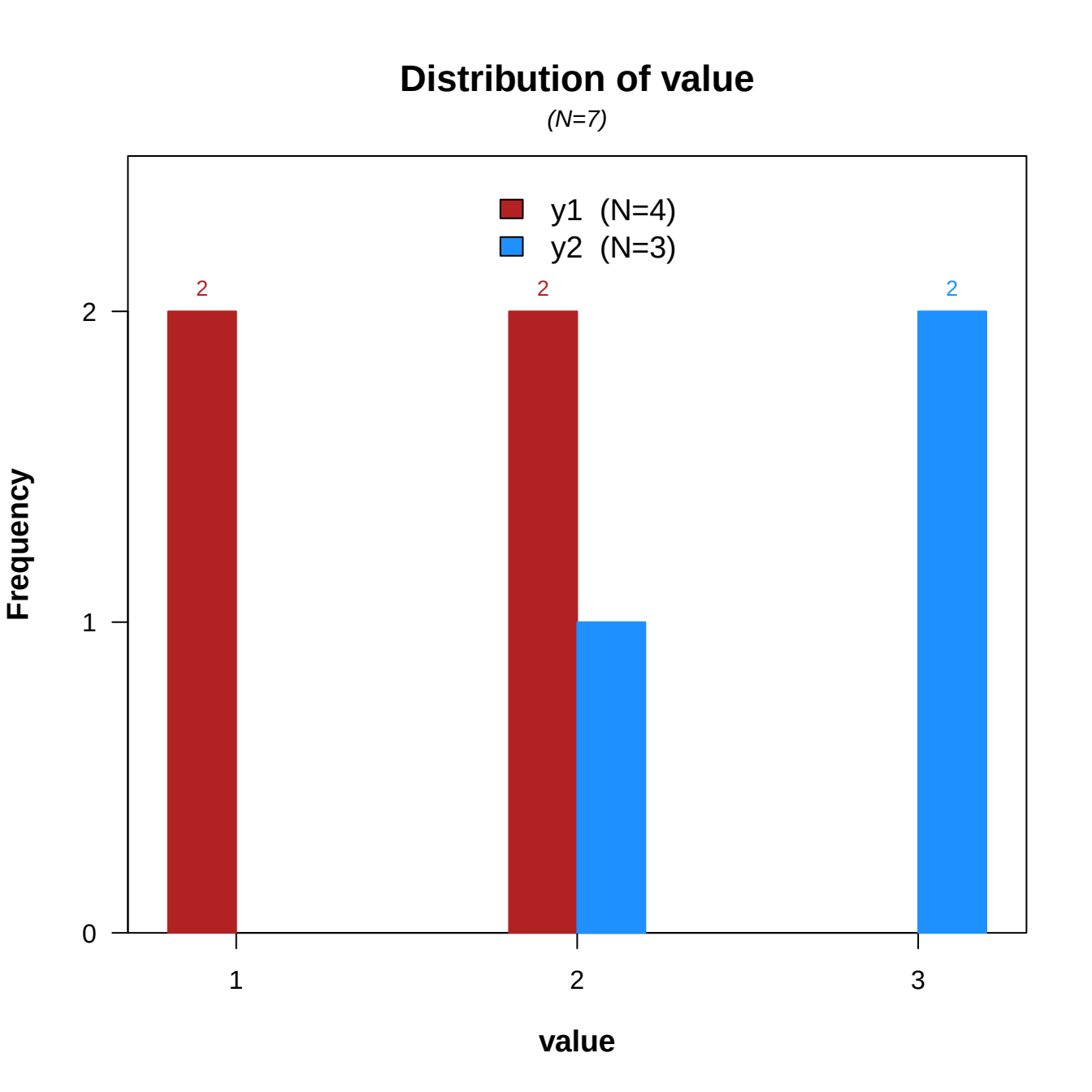

Distribution of value
(N=9)
y1 (N=5)
y2 (N=4)
80%
60%
40%
20%
0%
% of Observations
60%
75%
1
2
3
value

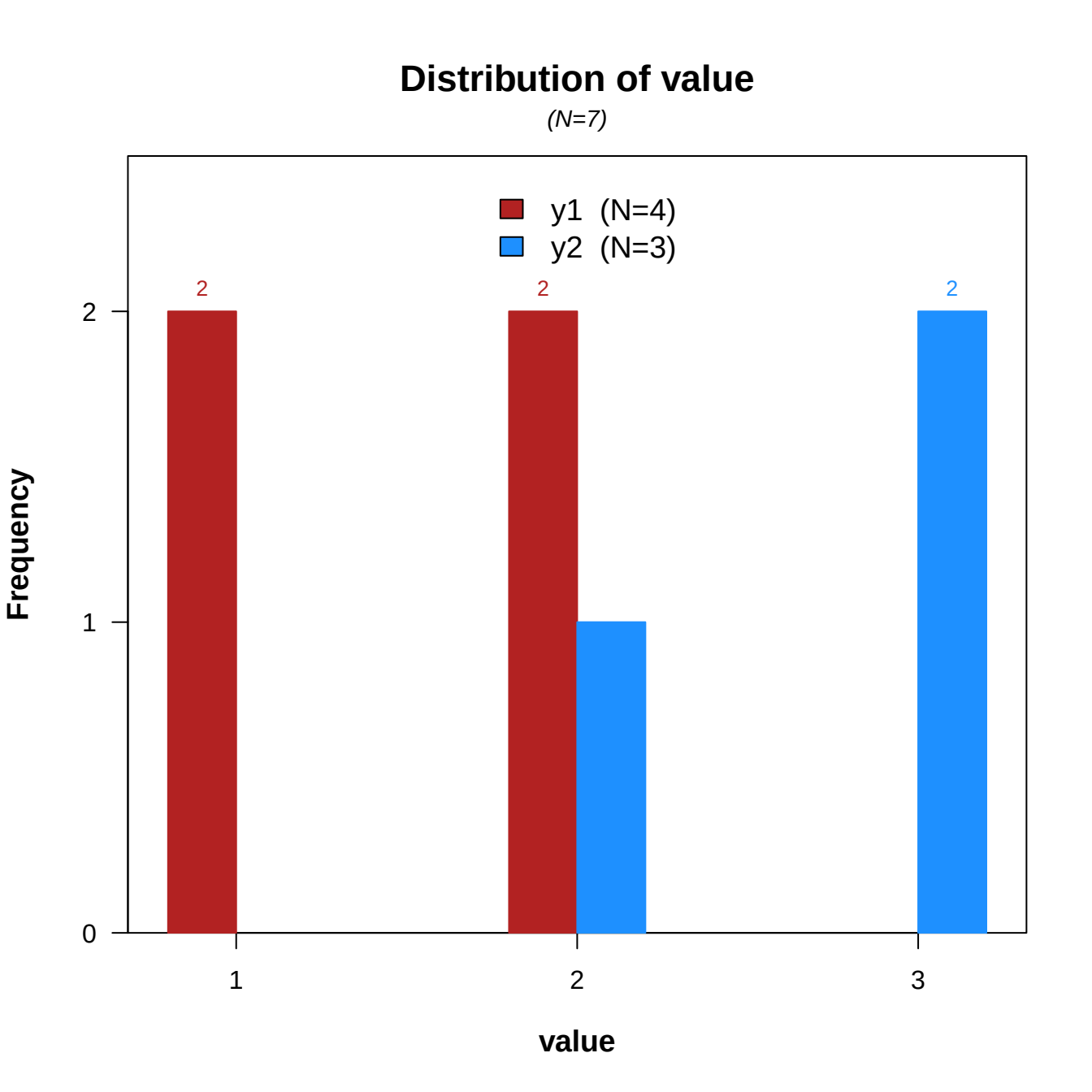

Distribution of value
(N=9)
Frequency
3
2
1
0
1
2
3
value

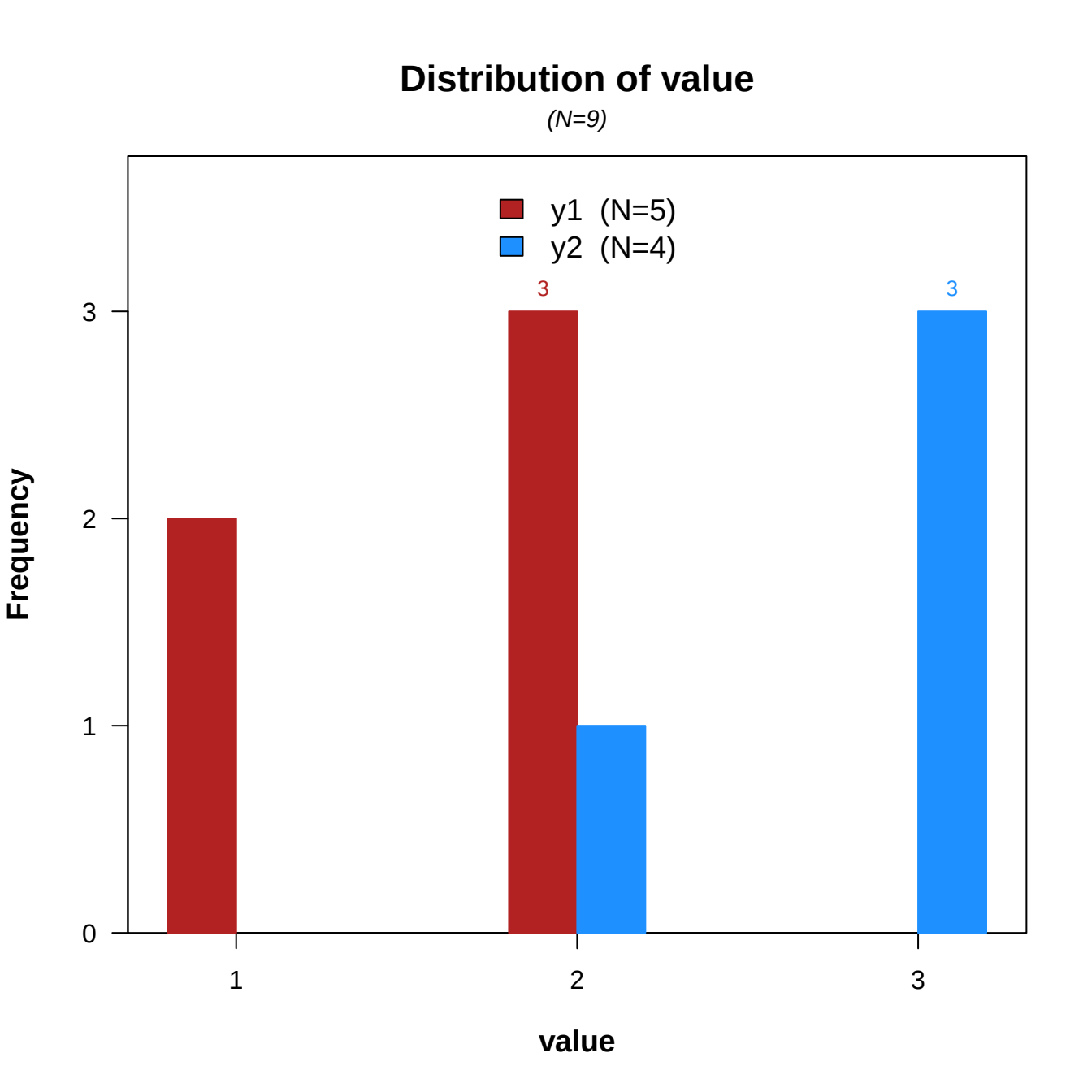

Distribution of value
(N=9)
y1 (N=5)
y2 (N=4)
3
3
Frequency
0
1
2
3
1
2
3
value

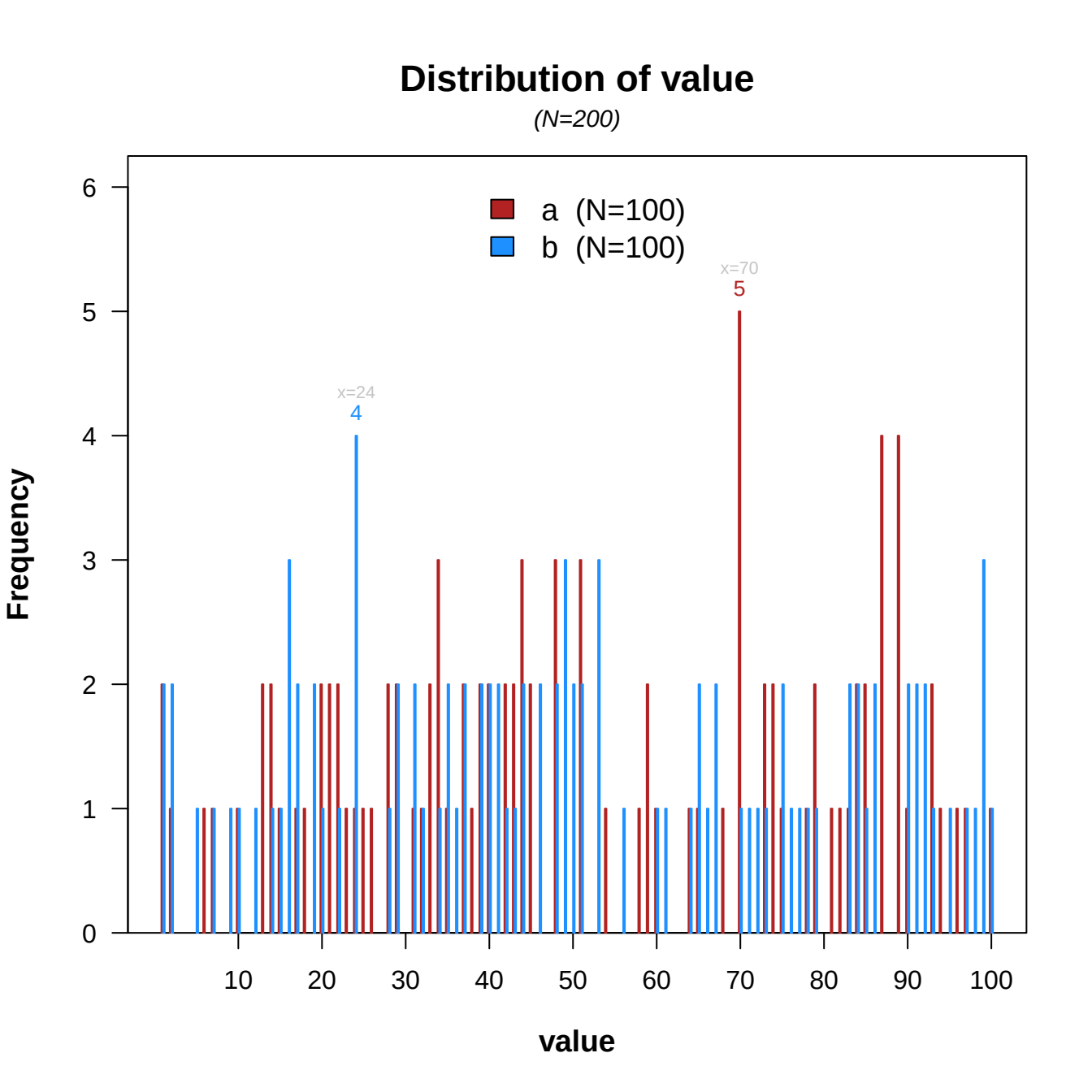

Distribution of value
(N=9)
y2 (N=4)
y1 (N=5)
3
3
Frequency
0
1
2
3
1
2
3
value

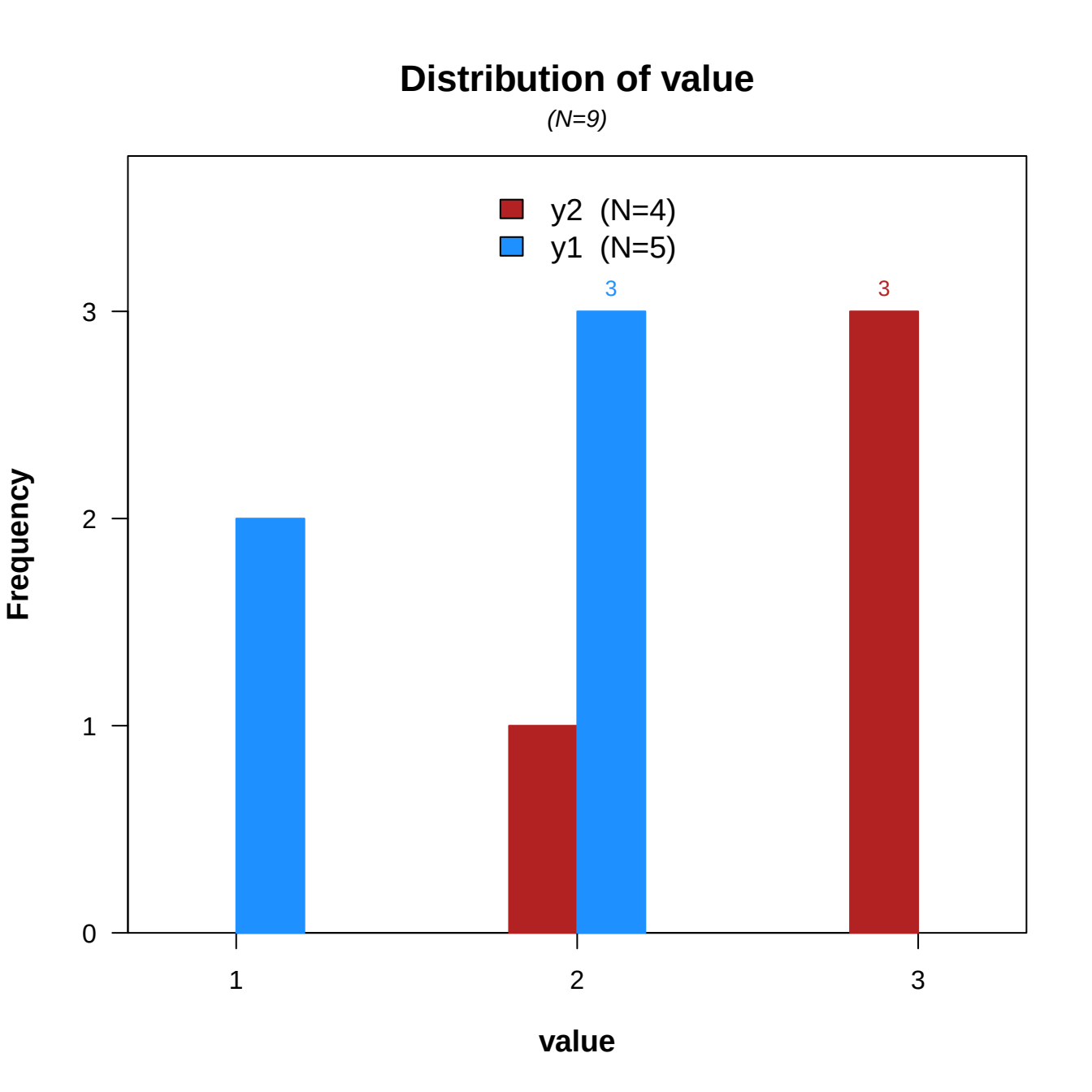

Distribution of value
(N=9)
y2 (N=4)
y1 (N=5)
3
3
Frequency
0
1
2
3
1
2
3
value

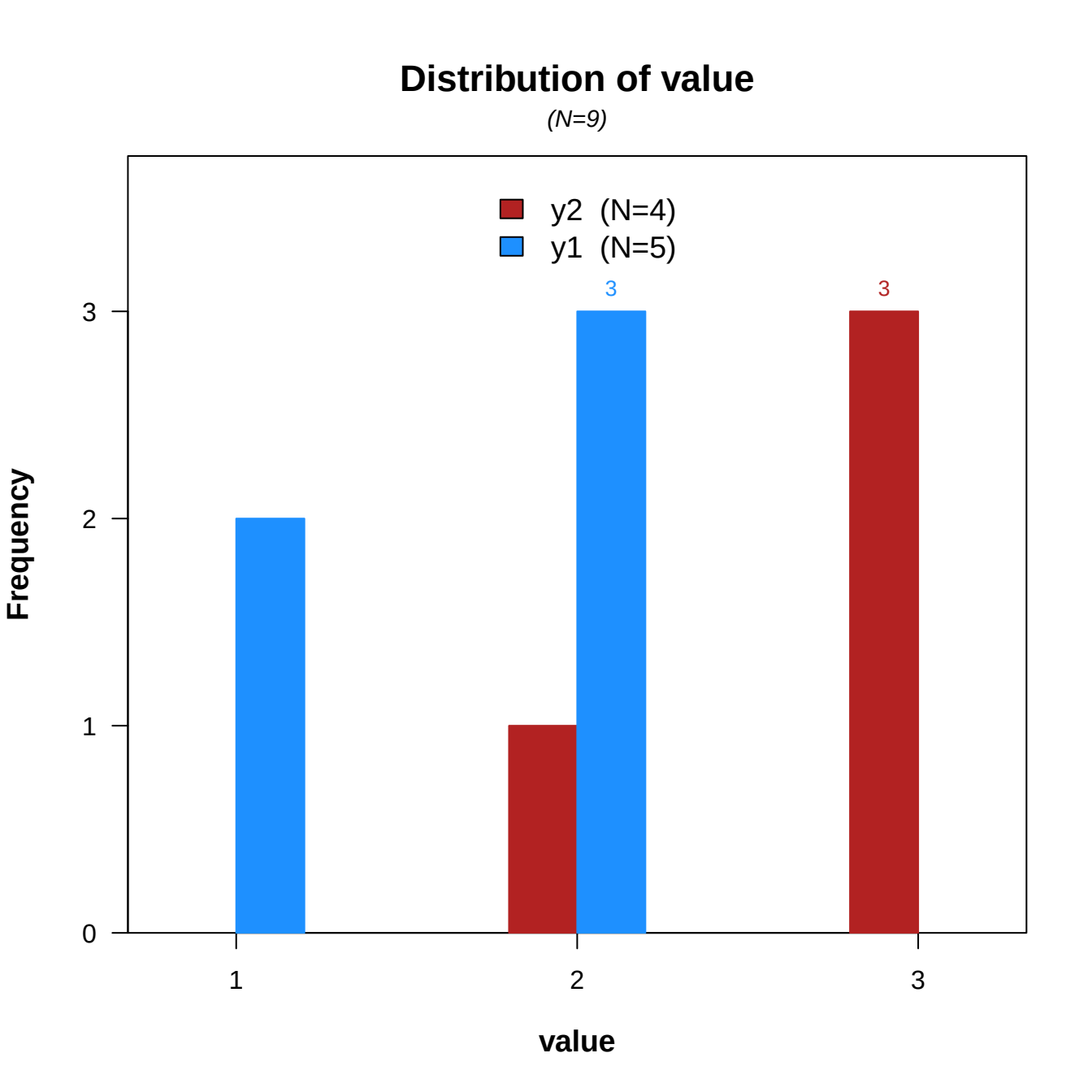

Distribution of value
(N=7)
y1 (N=4)
y2 (N=3)
2
2
2
Frequency
2
1
0
1
2
3
value

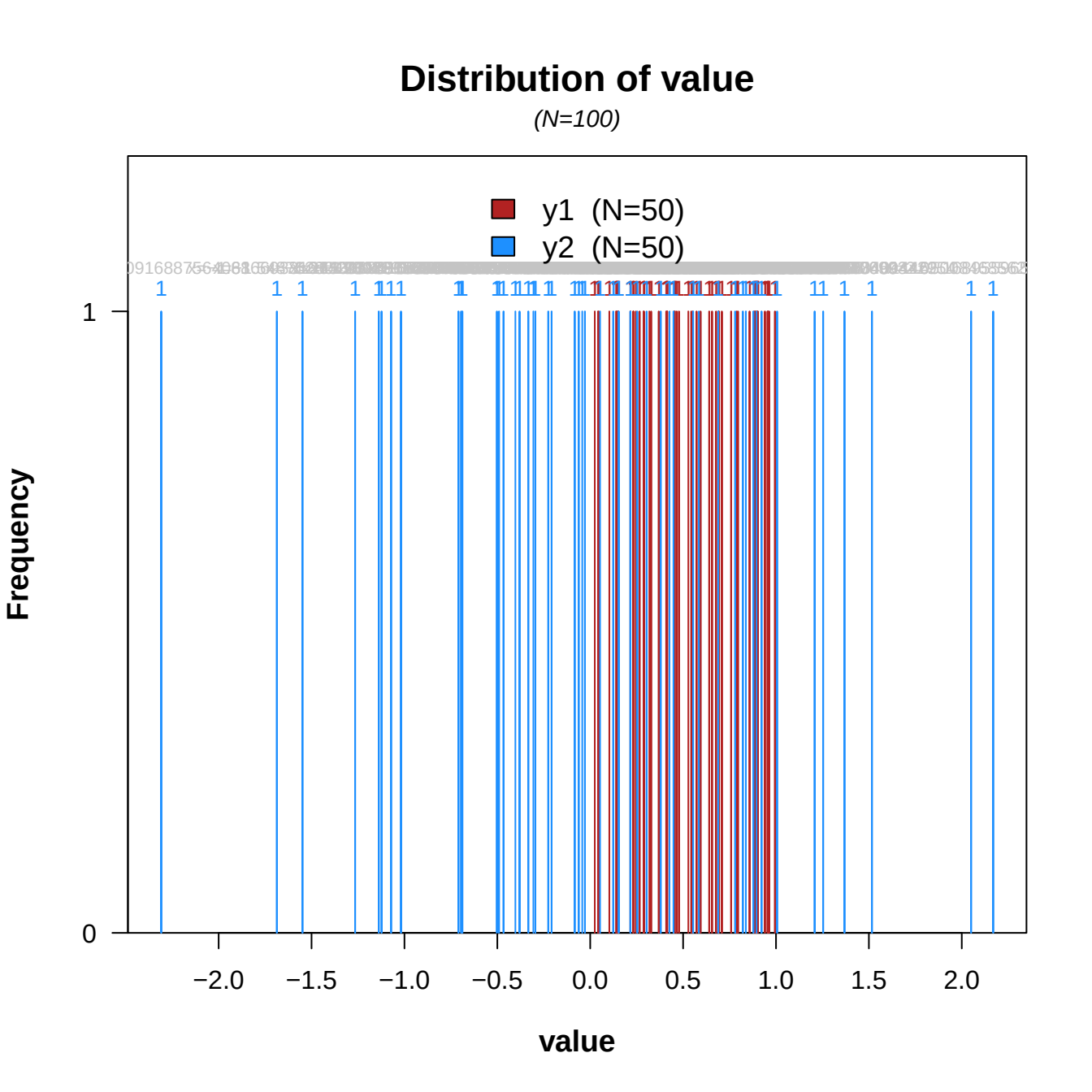

Distribution of value
(N=7)
y1 (N=4)
y2 (N=3)
2
2
2
Frequency
2
1
0
1
2
3
value

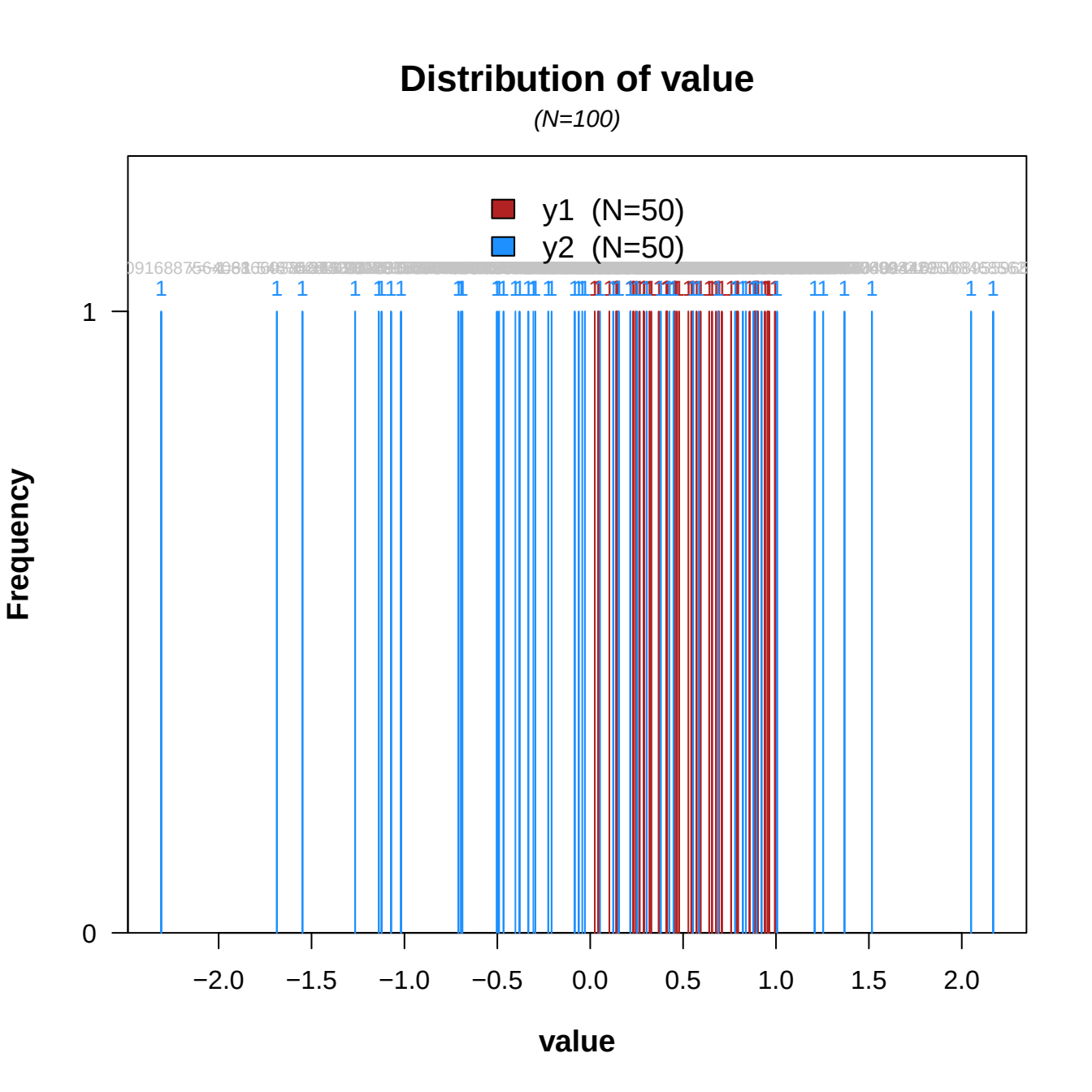

Distribution of value
(N=9)
y1 (N=5)
y2 (N=4)
3
3
Frequency
0
1
2
3
1
2
3
value

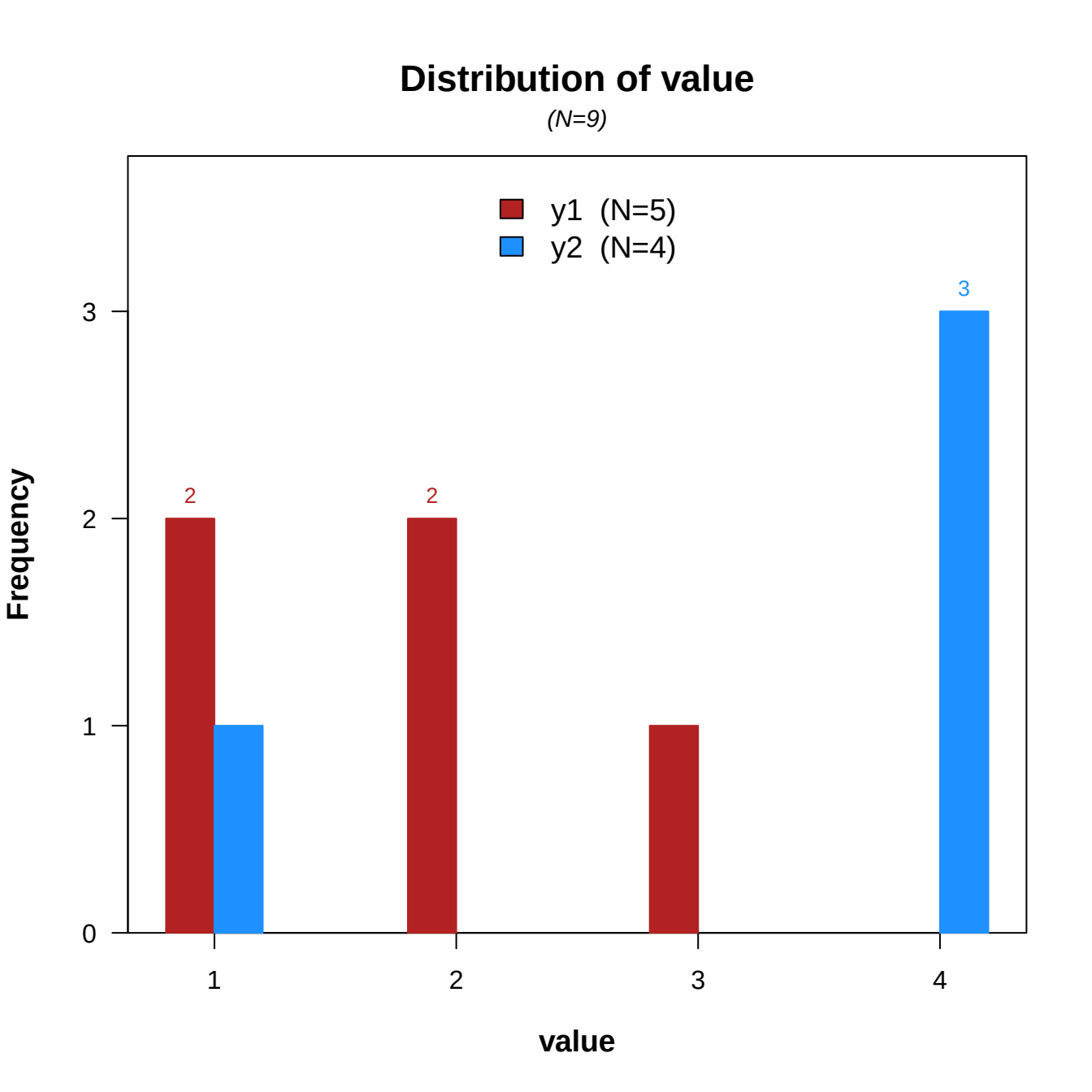

Distribution of value
(N=200)
a (N=100)
b (N=100)
x=70
5
x=24
4
Frequency
value
0
1
2
3
4
5
6
10
20
30
40
50
60
70
80
90
100

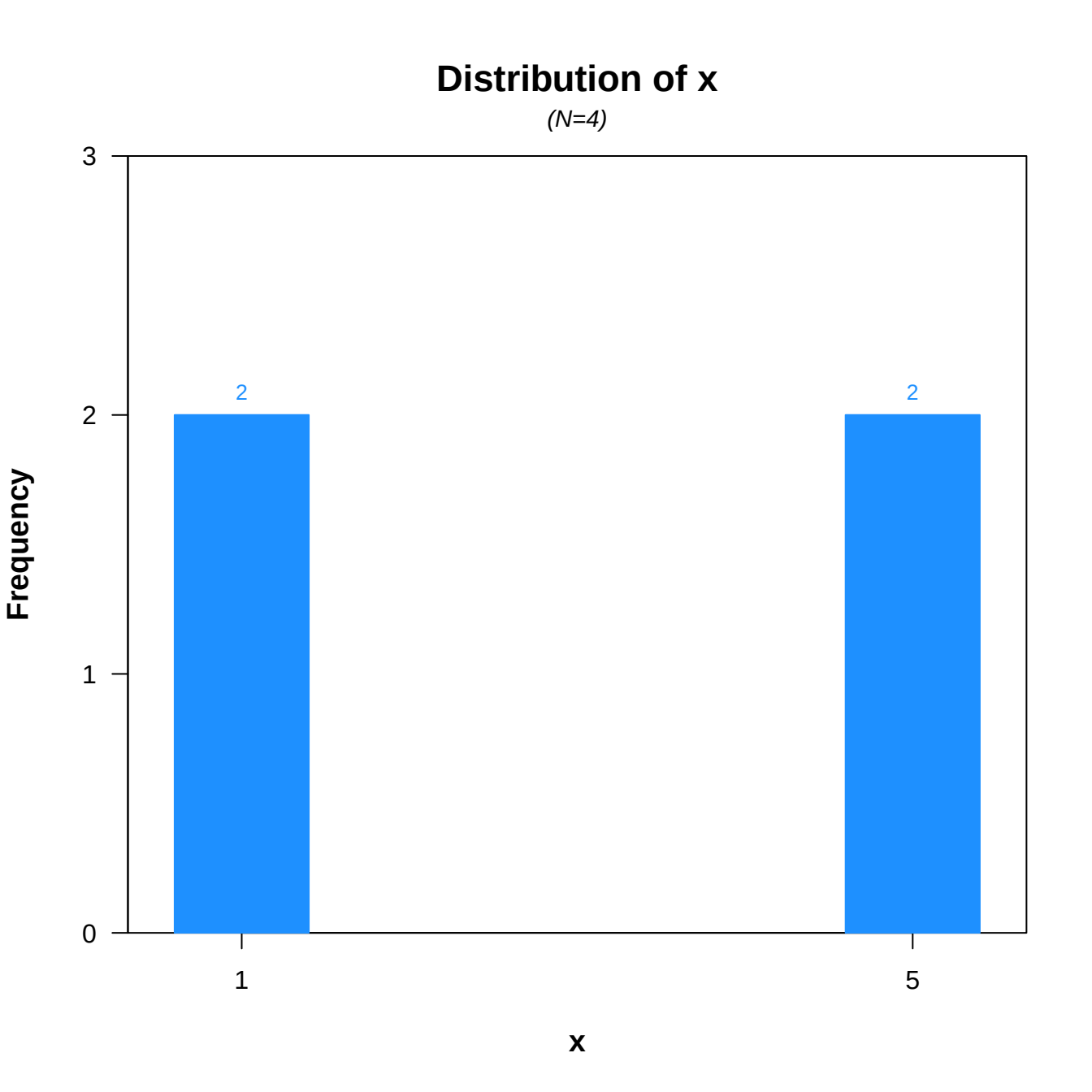

Distribution of value
(N=9)
y2 (N=4)
y1 (N=5)
3
3
Frequency
0
1
2
3
1
2
3
value

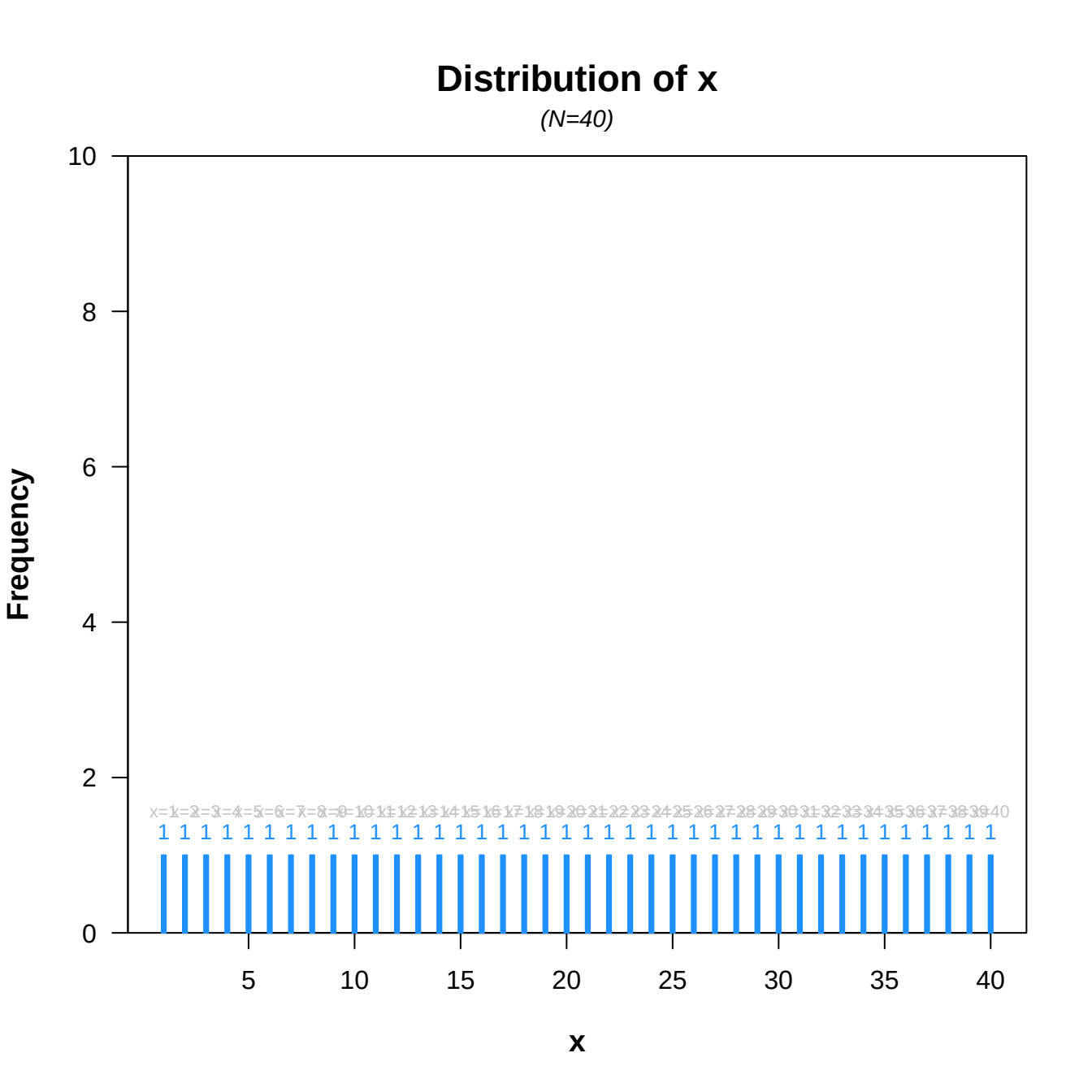

Distribution of value
(N=9)
y2 (N=4)
y1 (N=5)
3
3
Frequency
0
1
2
3
1
2
3
value

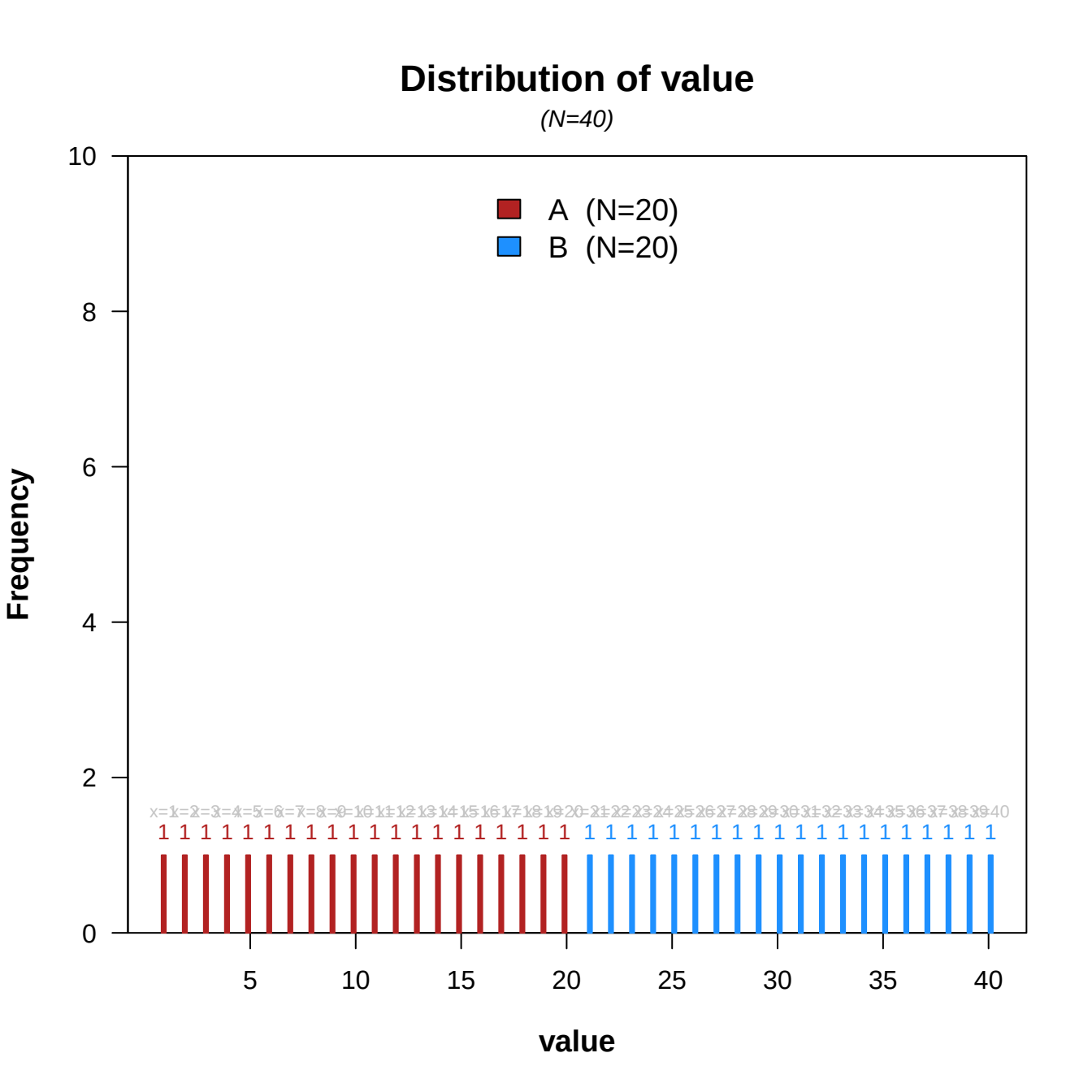

Distribution of value
(N=100)
y1 (N=50)
y2 (N=50)
Frequency
1
0
−2.0
−1.5
−1.0
−0.5
0.0
0.5
1.0
1.5
2.0
value

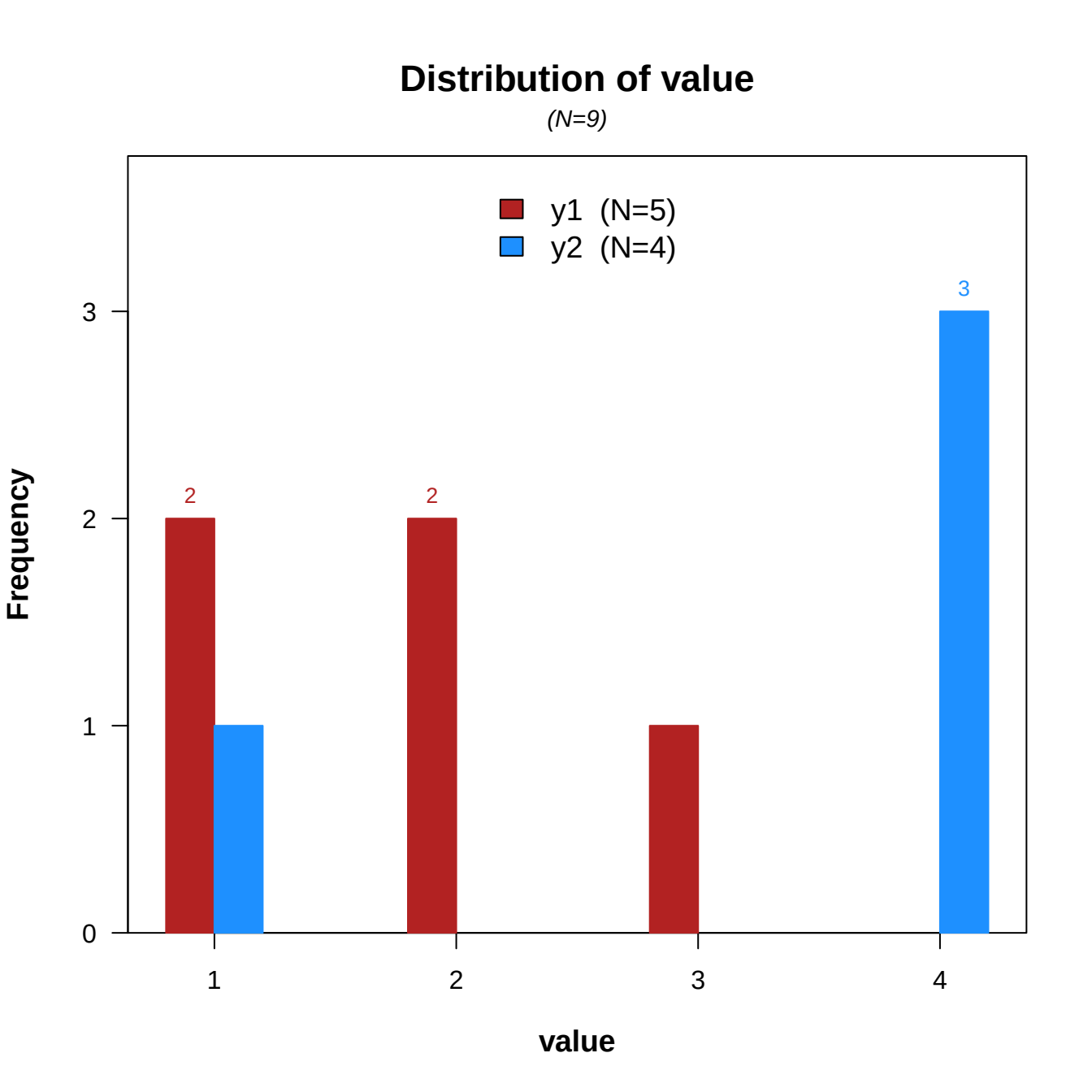

Distribution of value
(N=100)
y1 (N=50)
y2 (N=50)
Frequency
1
0
−2.0
−1.5
−1.0
−0.5
0.0
0.5
1.0
1.5
2.0
value

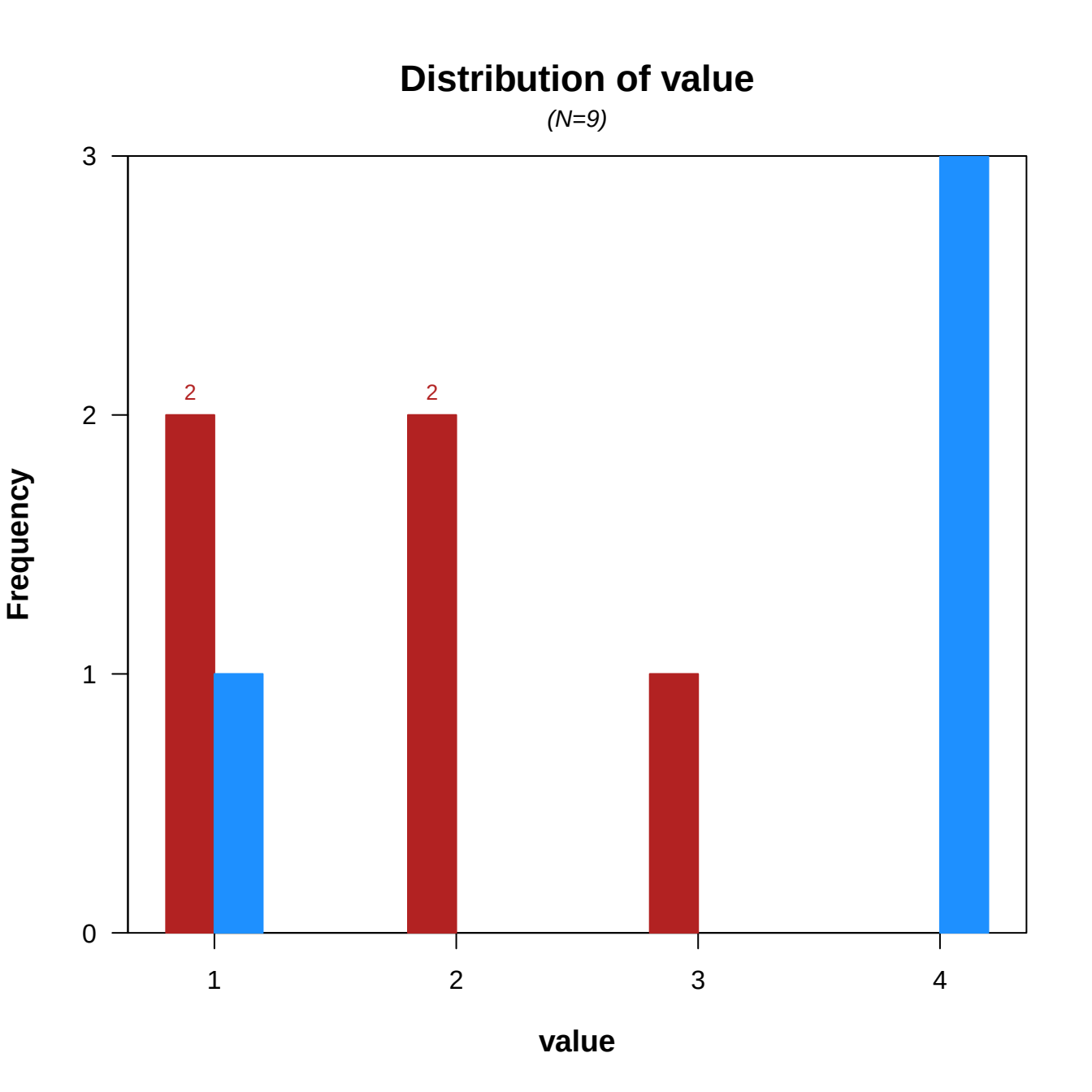

Distribution of value
(N=9)
y1 (N=5)
y2 (N=4)
Frequency
0
1
2
3
2
2
3
1
2
3
4
value

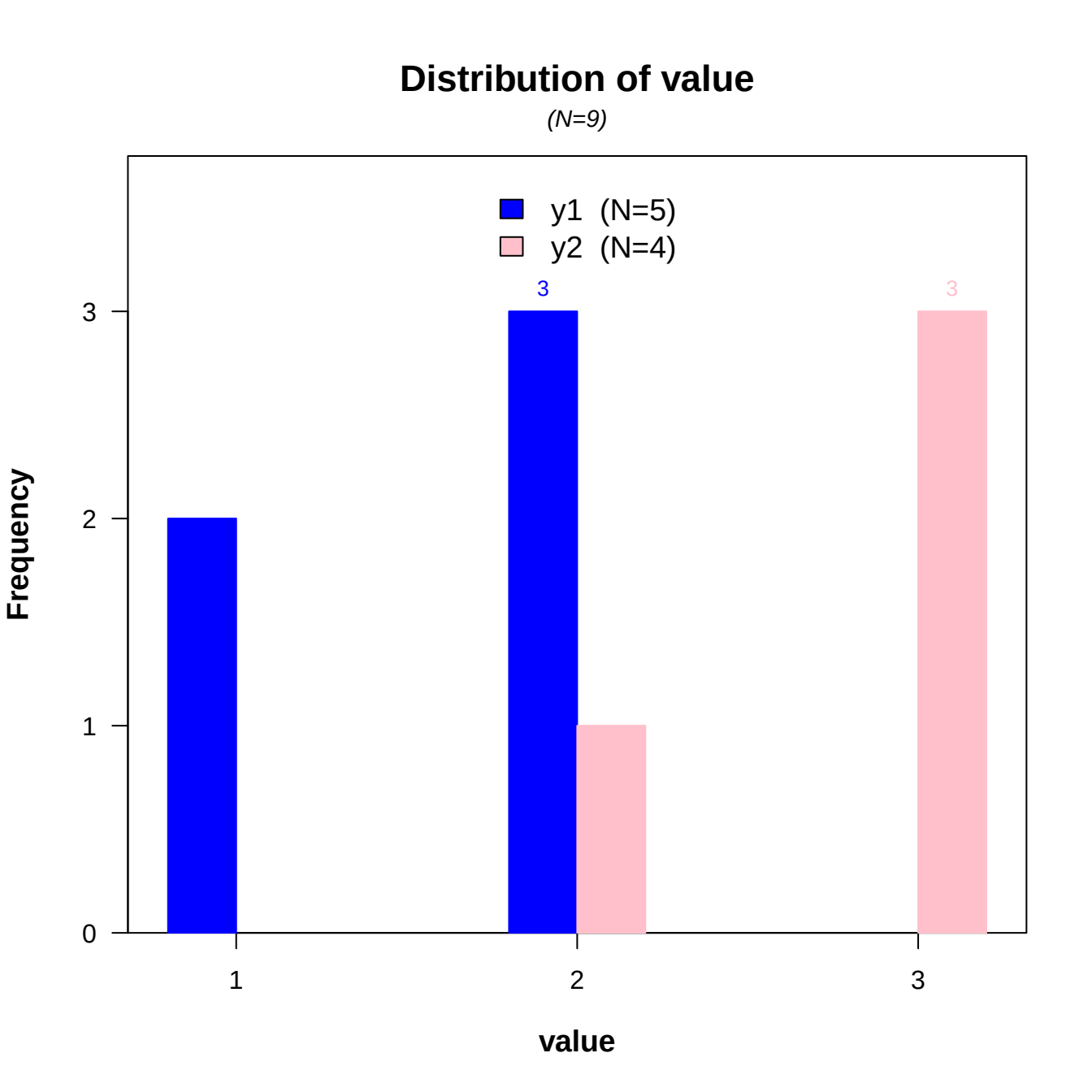

Distribution of x
(N=4)
Frequency
3
2
1
0
2
2
1
5
x

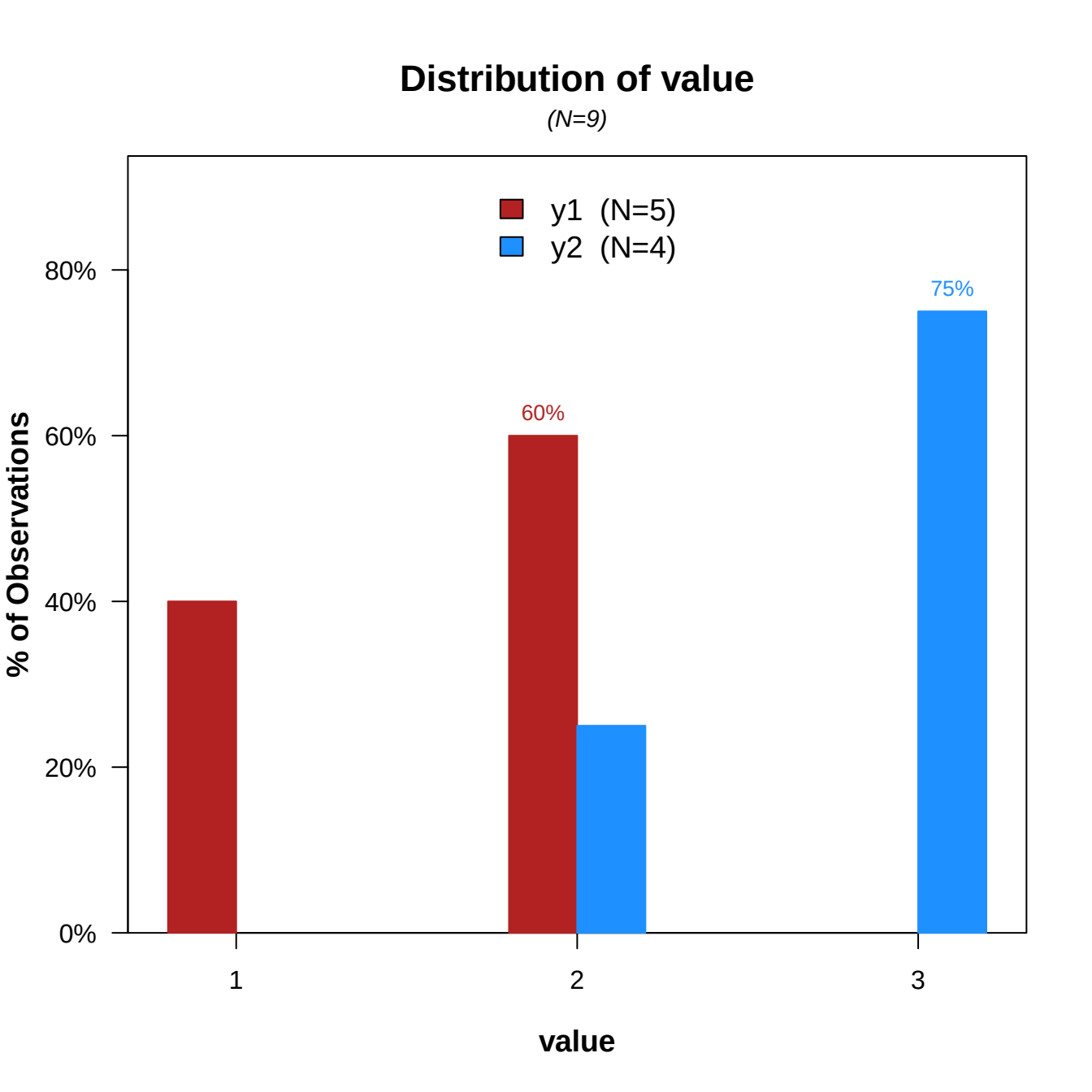

Distribution of x
(N=40)
Frequency
x
0
2
4
6
8
10
5
10
15
20
25
30
35
40
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

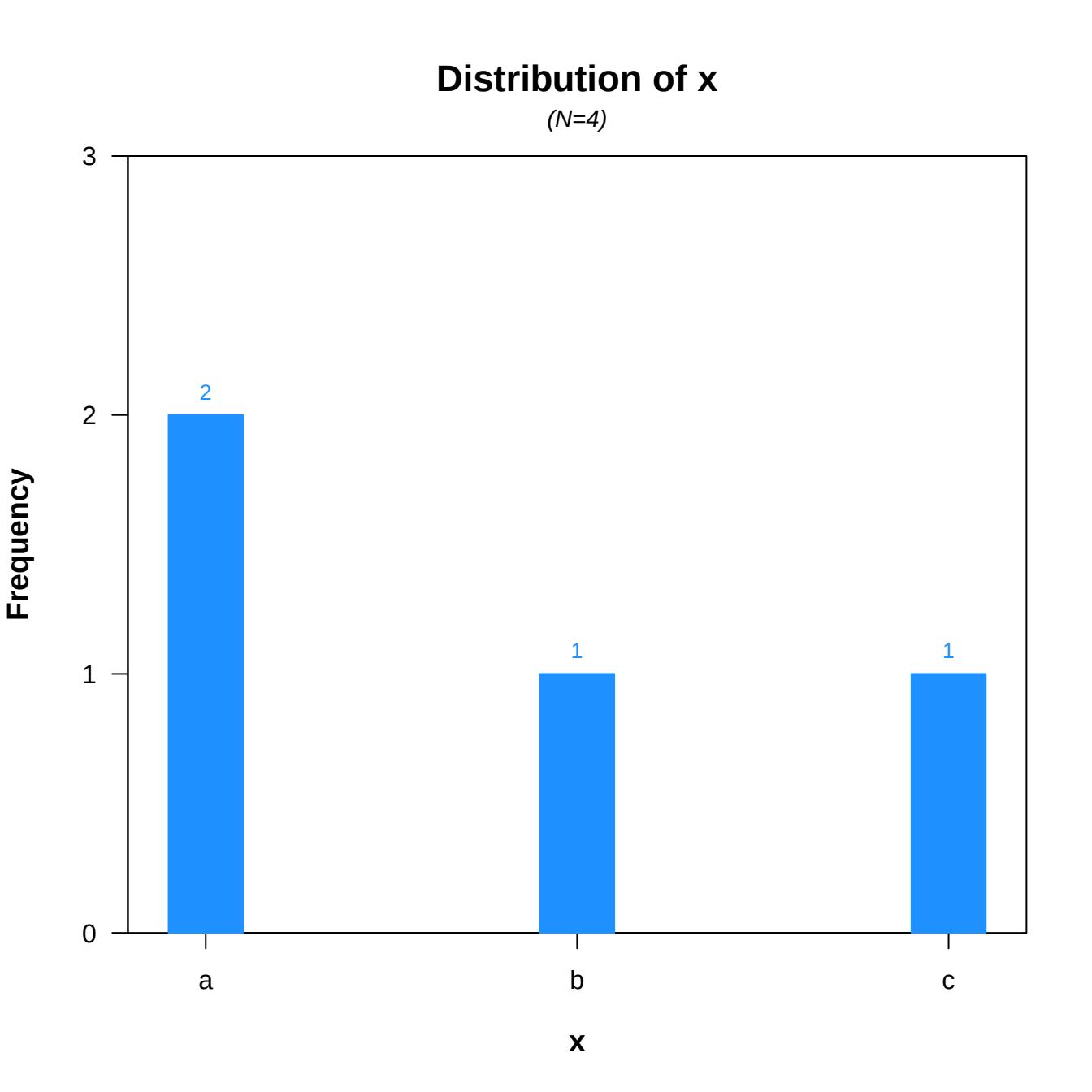

Distribution of value
(N=40)
A (N=20)
B (N=20)
Frequency
value
0
2
4
6
8
10
5
10
15
20
25
30
35
40

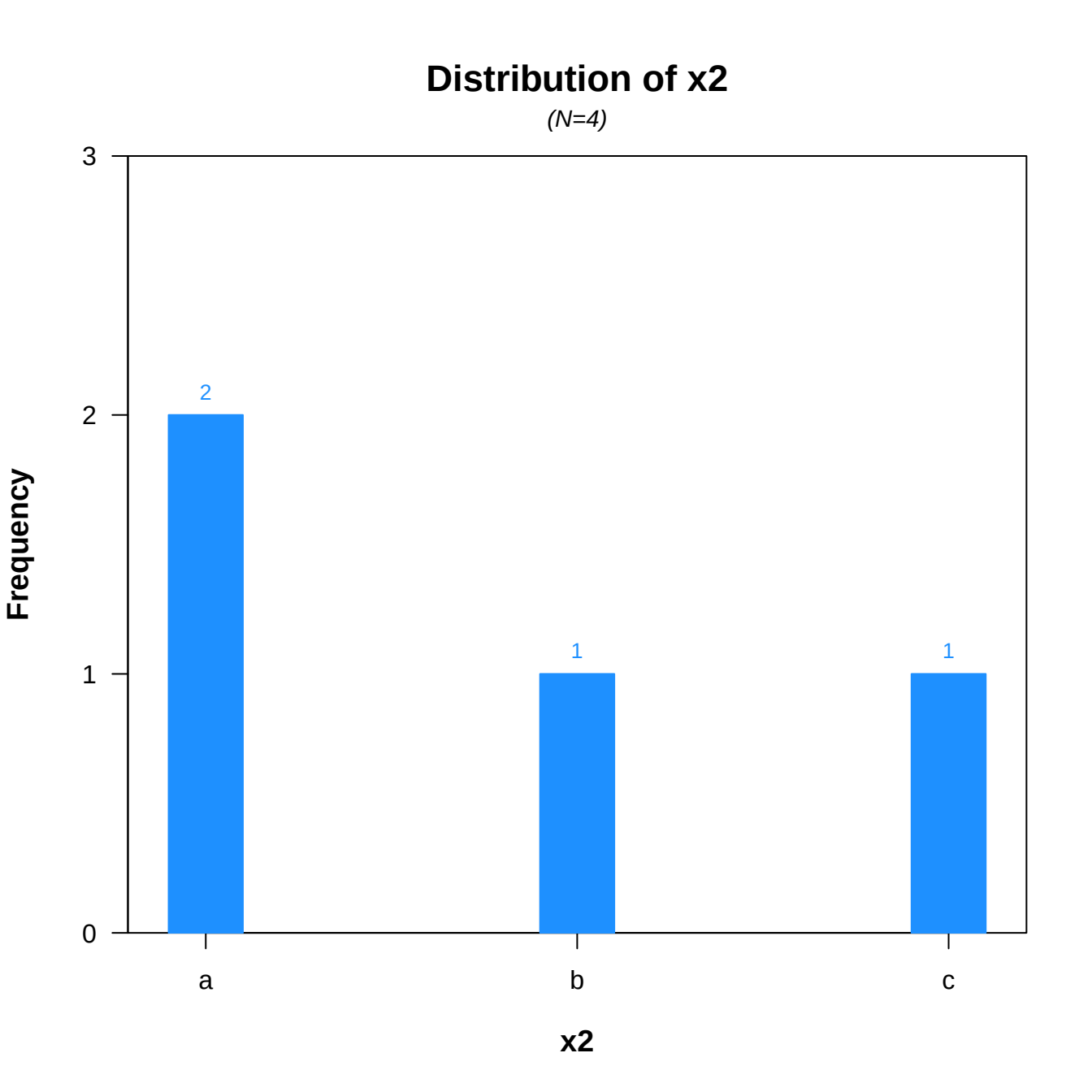

Distribution of value
(N=9)
y1 (N=5)
y2 (N=4)
Frequency
0
1
2
3
2
2
3
1
2
3
4
value

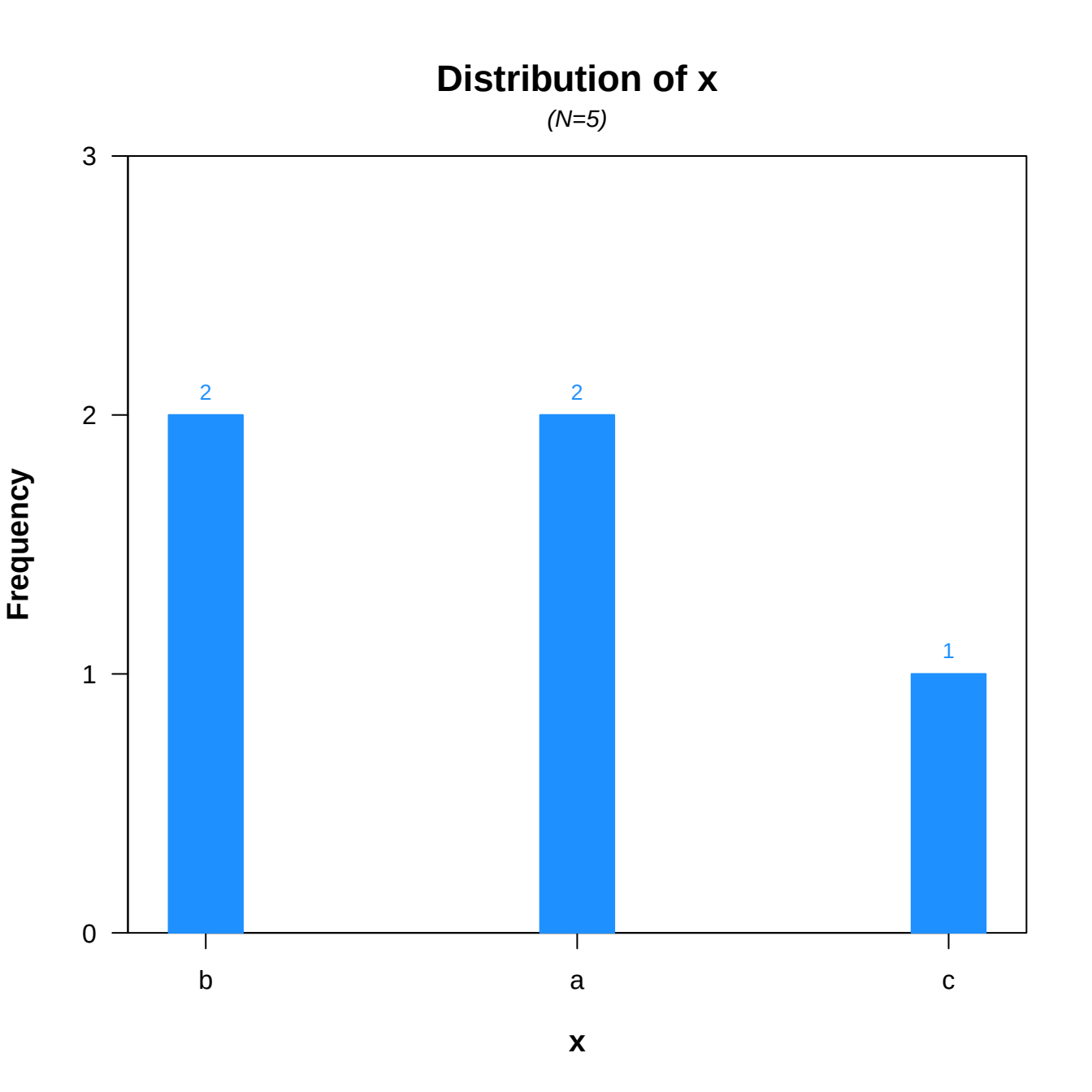

Distribution of value
(N=9)
Frequency
value
0
1
2
3
1
2
3
4
2
2

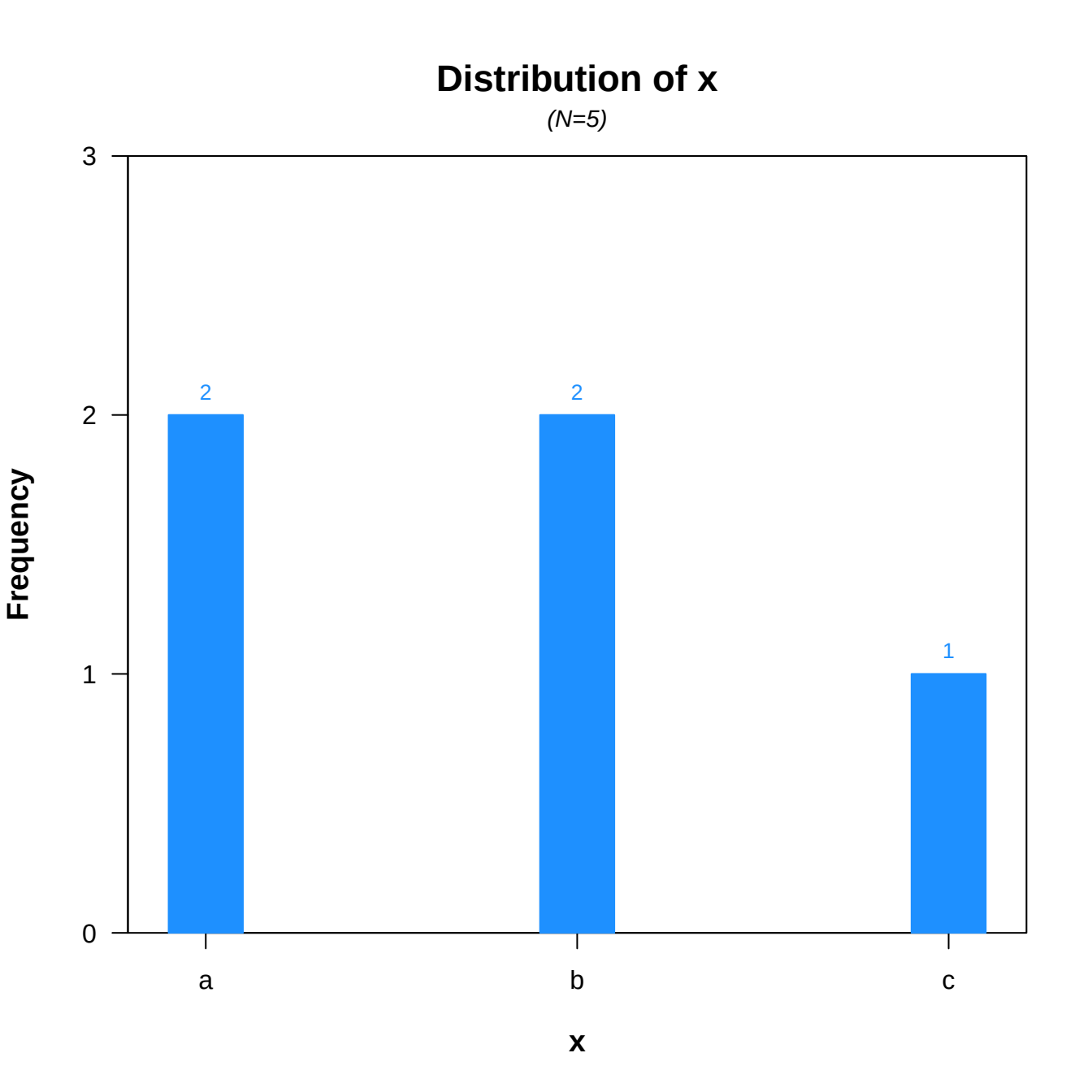

Distribution of value
(N=9)
y1 (N=5)
y2 (N=4)
3
3
Frequency
0
1
2
3
1
2
3
value

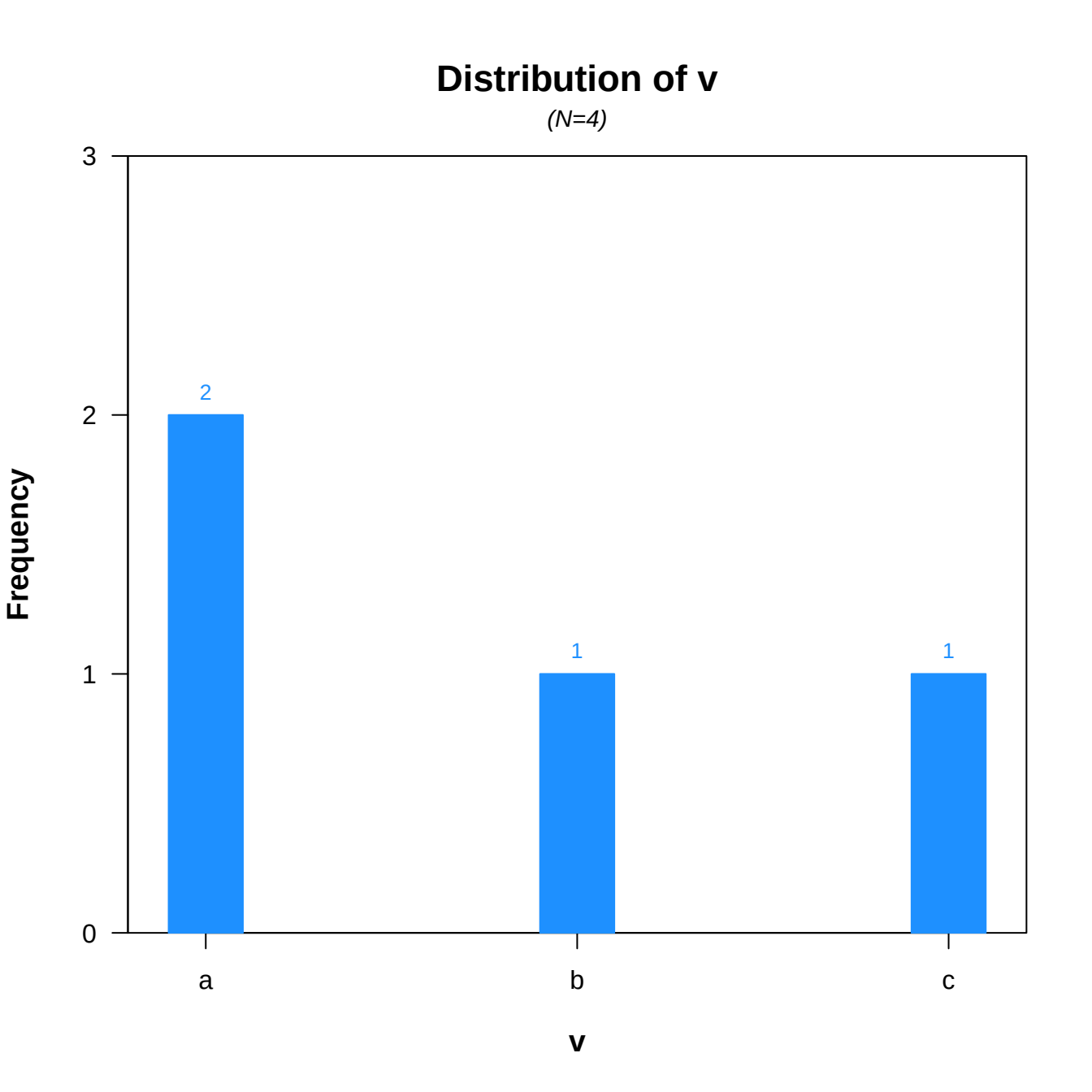

Distribution of value
(N=9)
y1 (N=5)
y2 (N=4)
80%
60%
40%
20%
0%
% of Observations
60%
75%
1
2
3
value

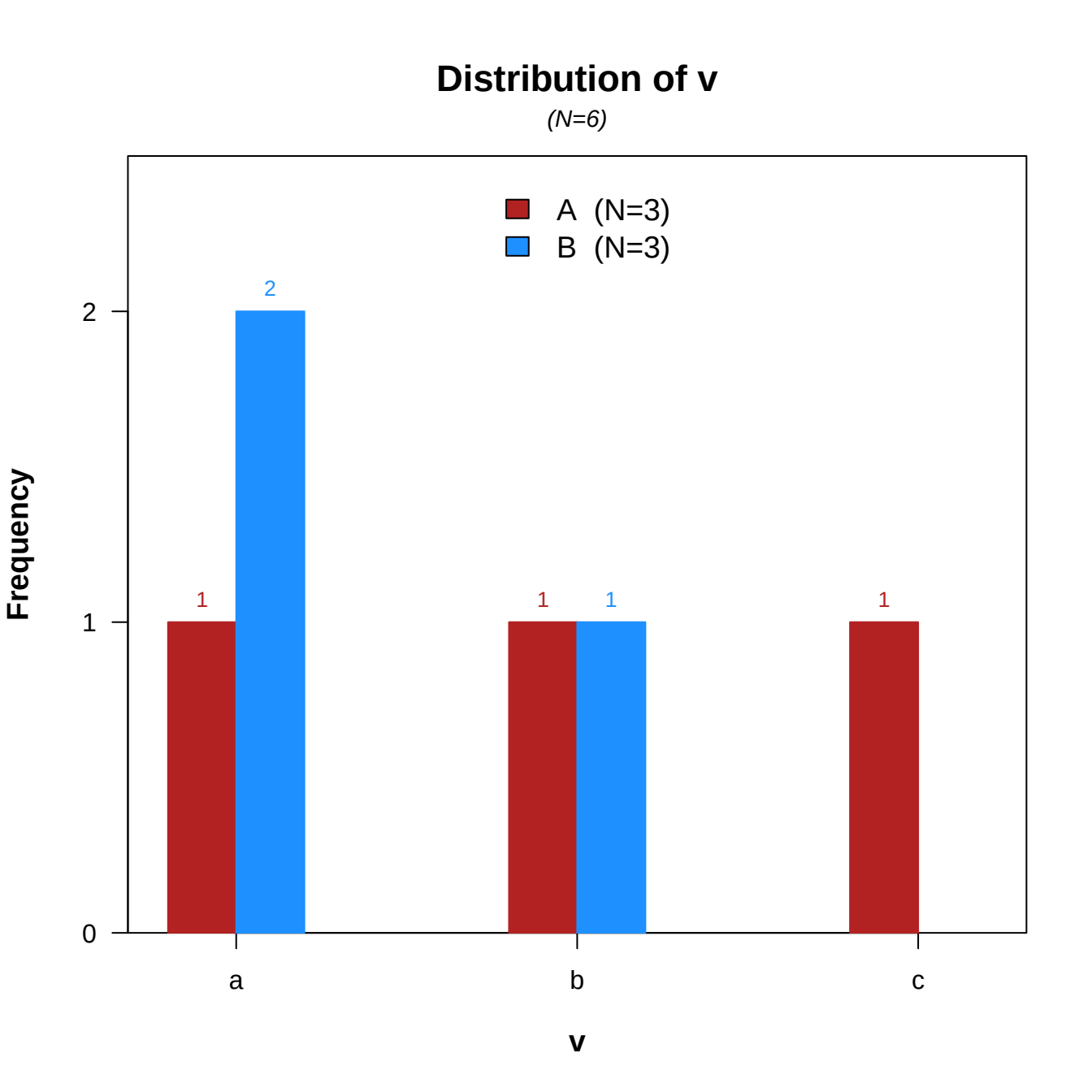

Distribution of x
(N=4)
Frequency
3
2
1
0
2
1
1
a
b
c
x

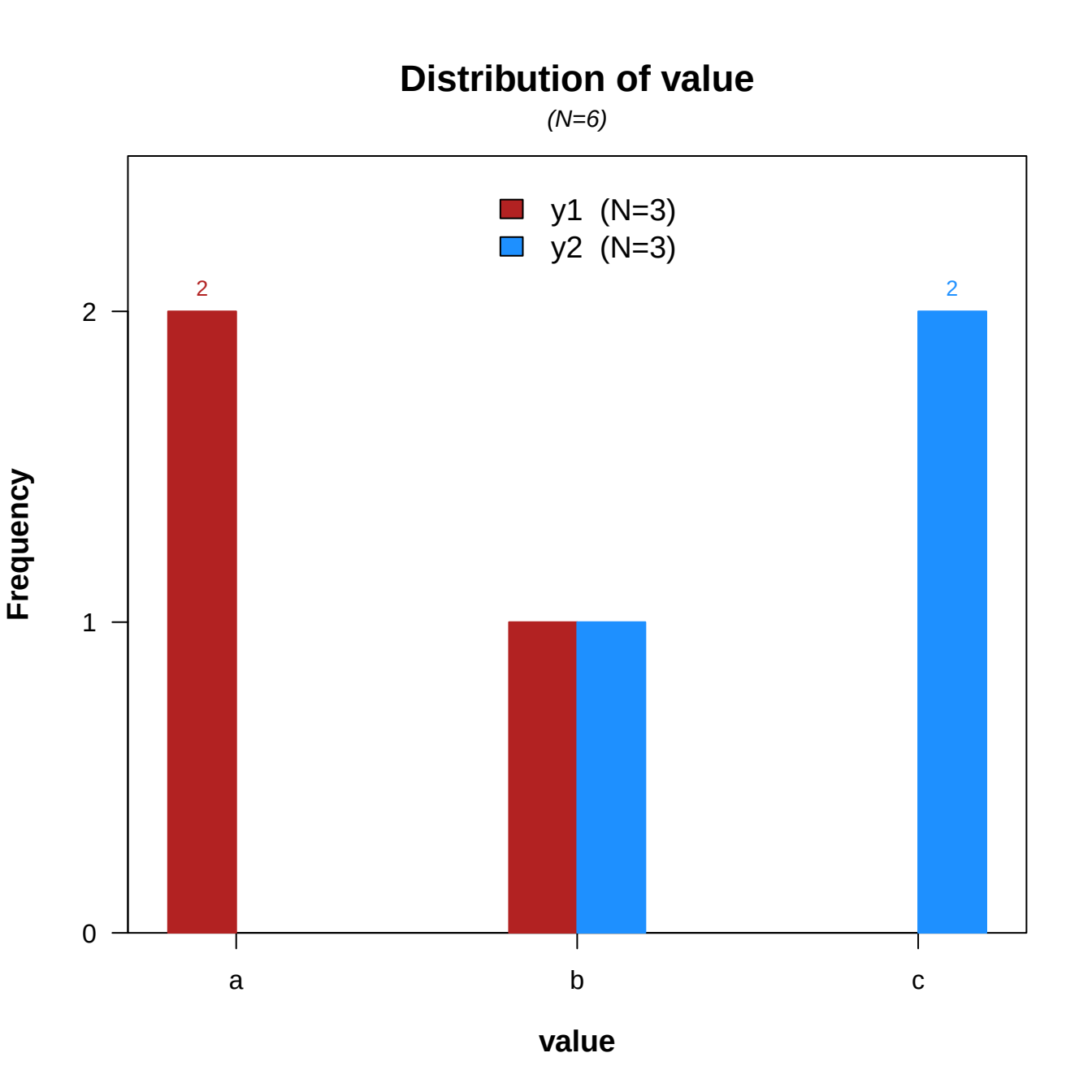

Distribution of x2
(N=4)
Frequency
3
2
1
0
2
1
1
a
b
c
x2

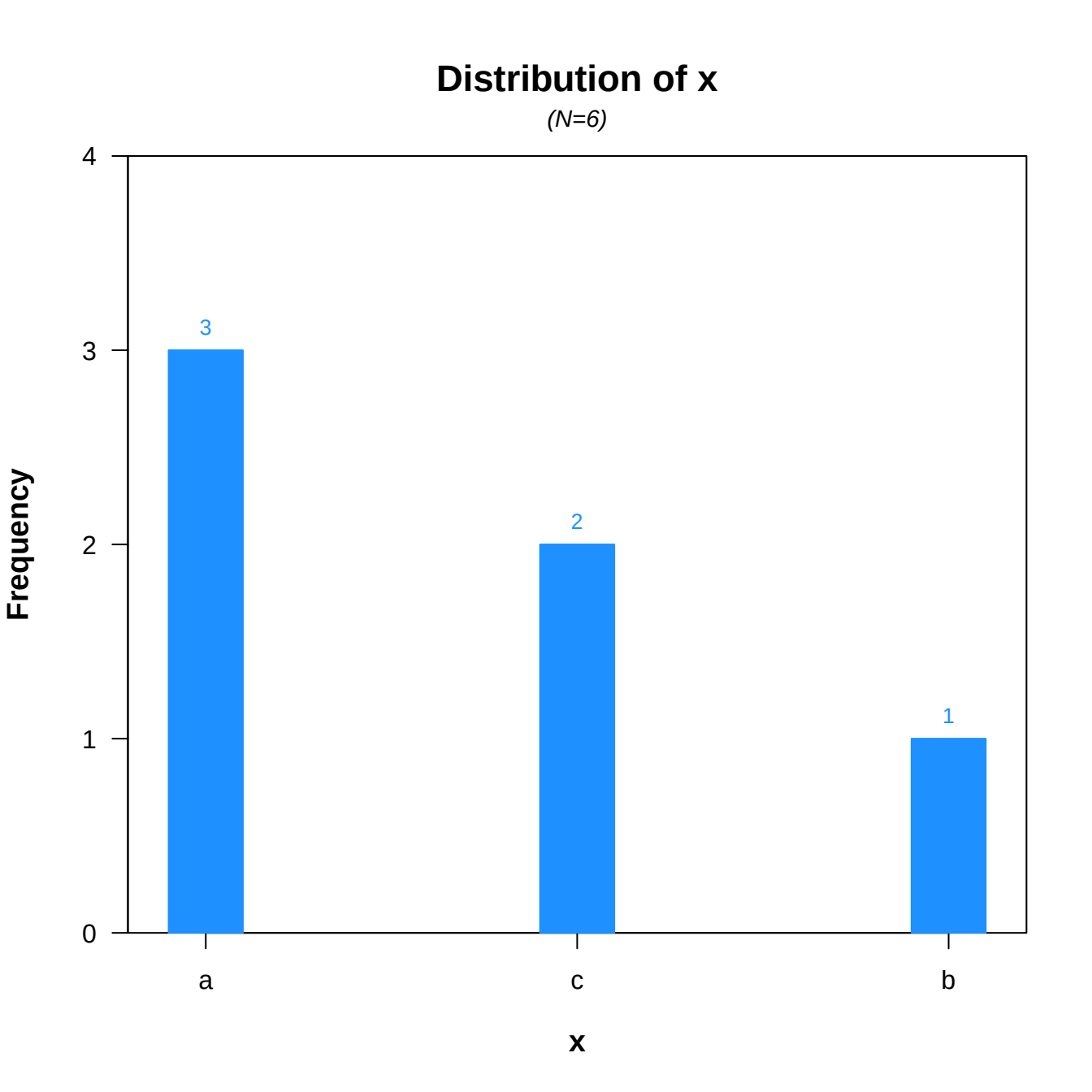

Distribution of x
(N=5)
Frequency
3
2
1
0
2
2
1
b
a
c
x

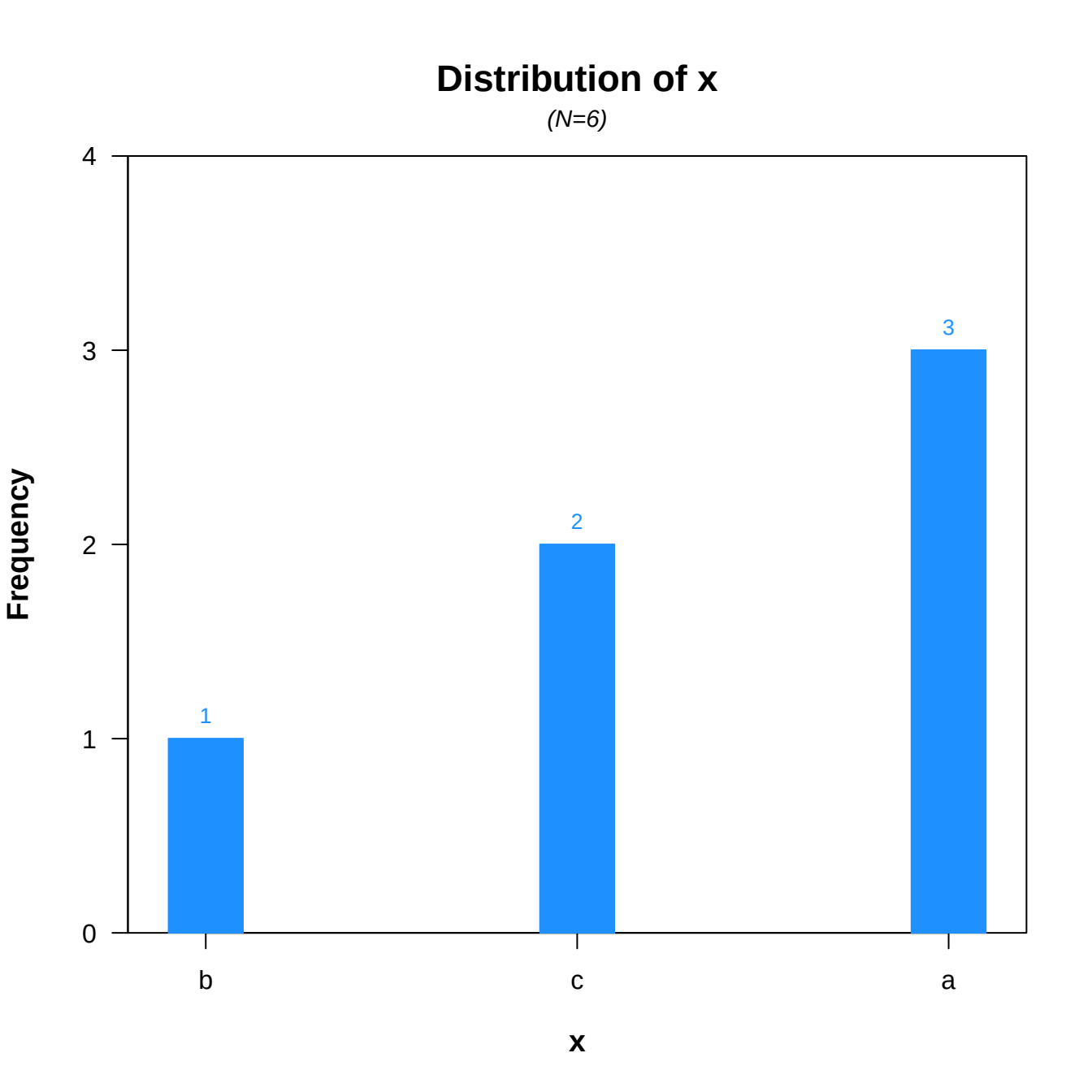

Distribution of x
(N=5)
Frequency
3
2
1
0
2
2
1
a
b
c
x

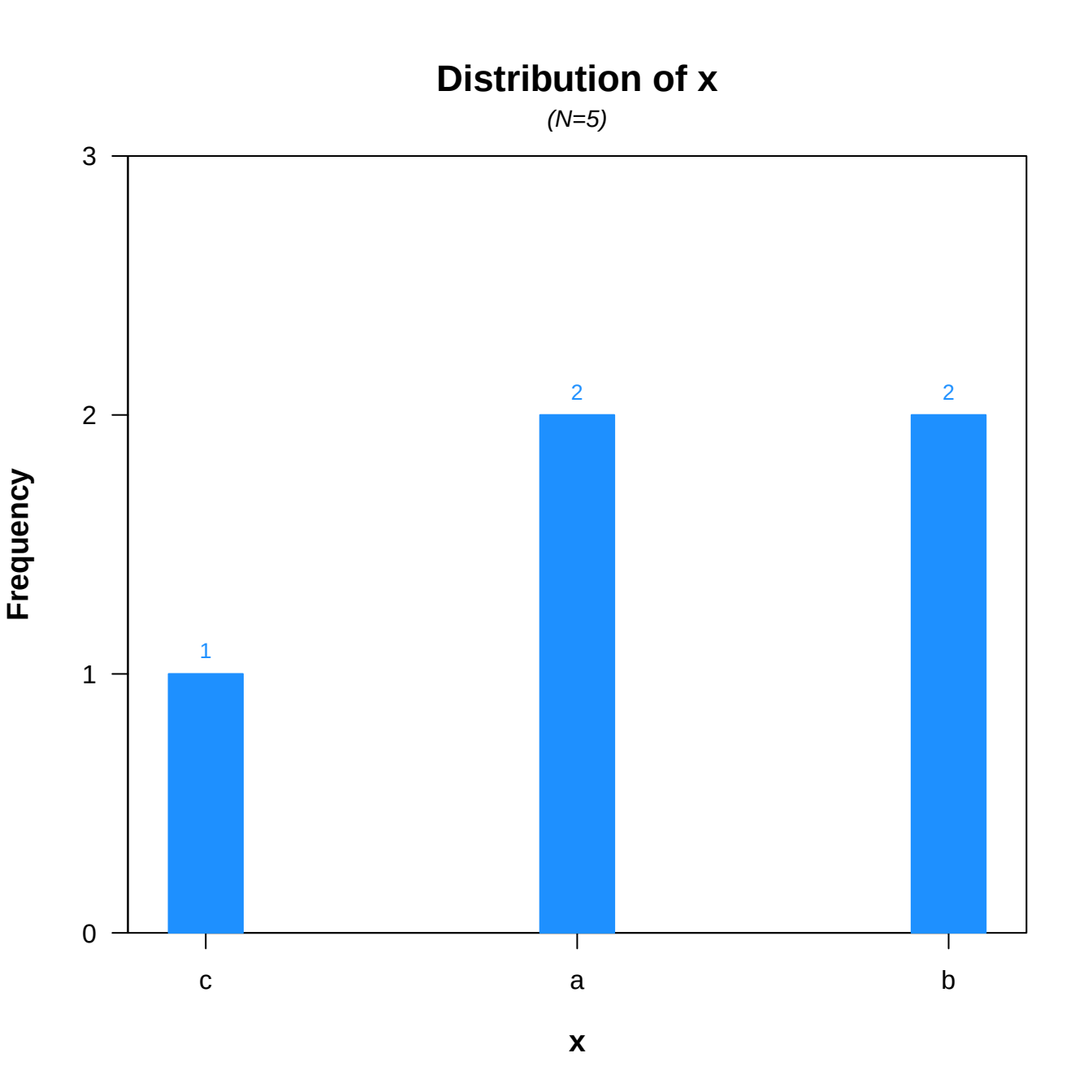

Distribution of v
(N=4)
Frequency
3
2
1
0
2
1
1
a
b
c
v

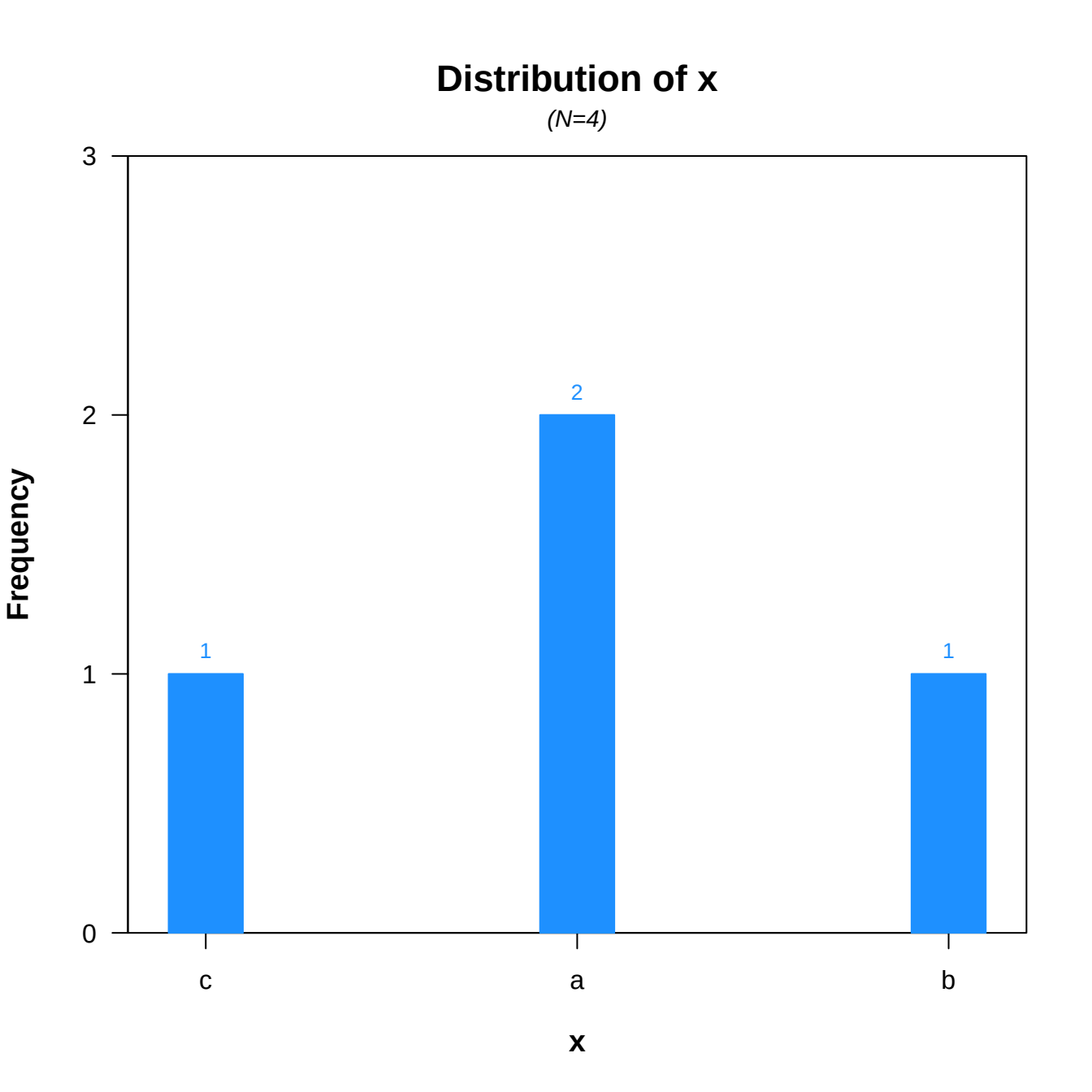

Distribution of v
(N=6)
A (N=3)
B (N=3)
Frequency
0
1
2
1
2
1
1
1
a
b
c
v

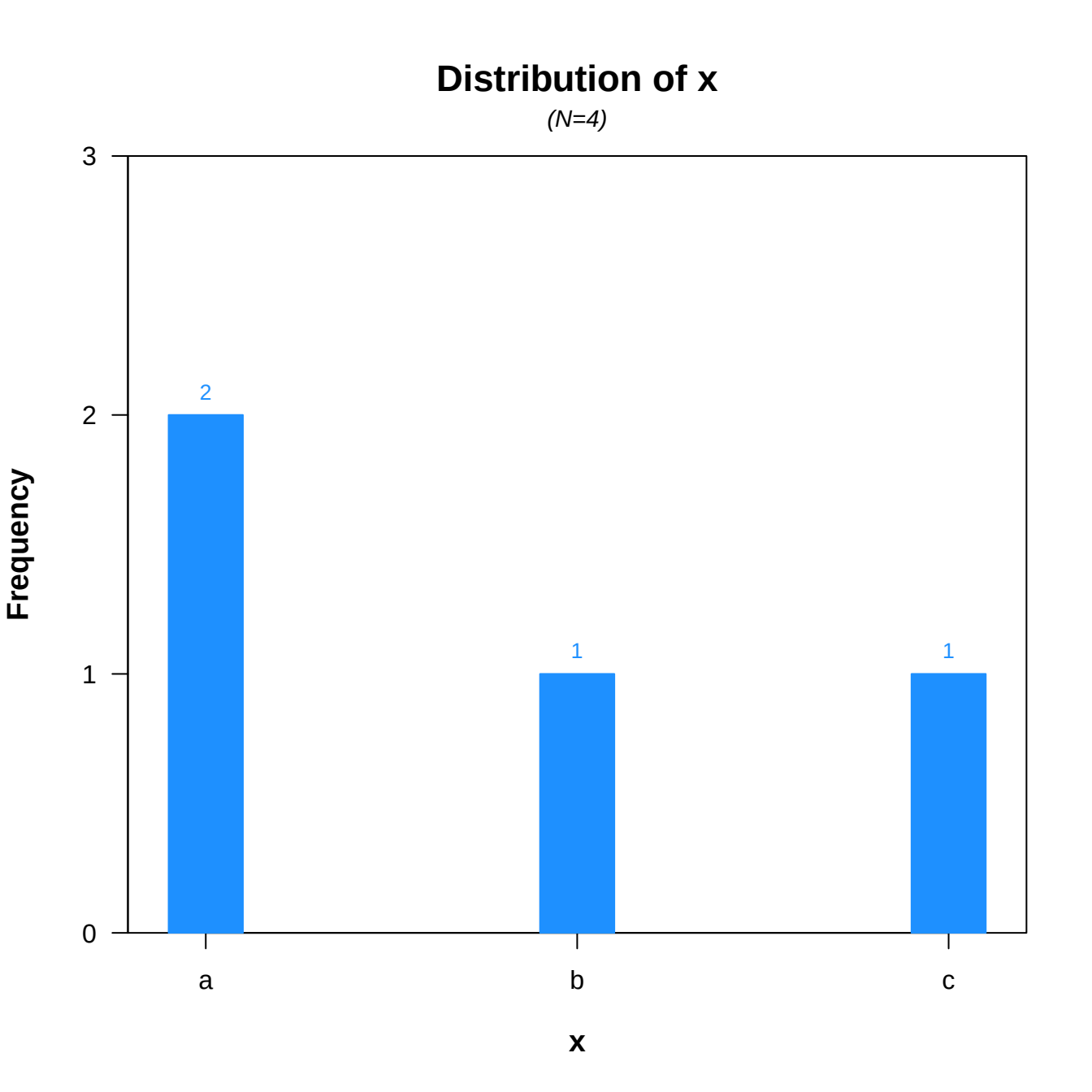

Distribution of value
(N=6)
y1 (N=3)
y2 (N=3)
2
2
Frequency
2
1
0
a
b
c
value

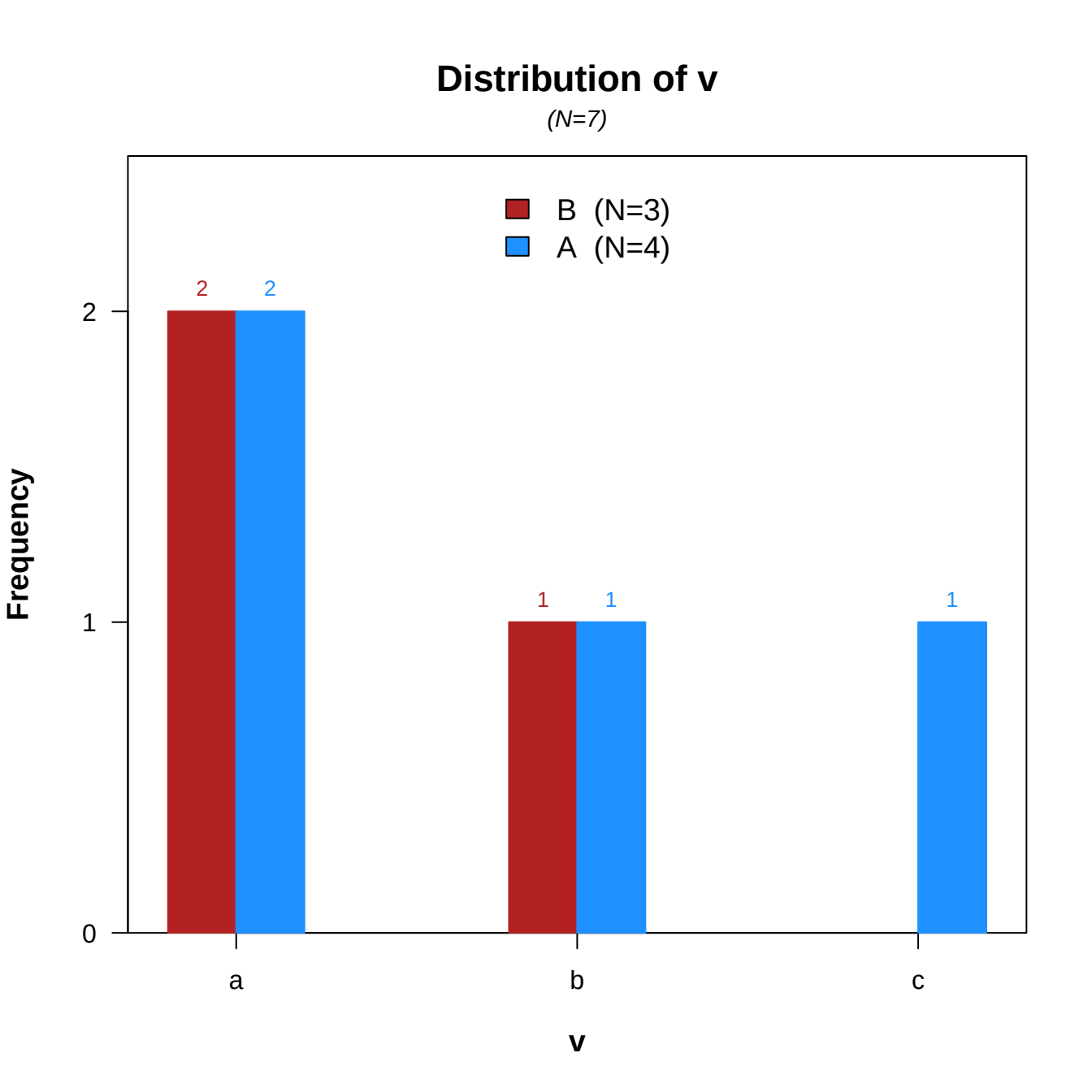

Distribution of x
(N=6)
Frequency
4
3
2
1
0
3
2
1
a
c
b
x

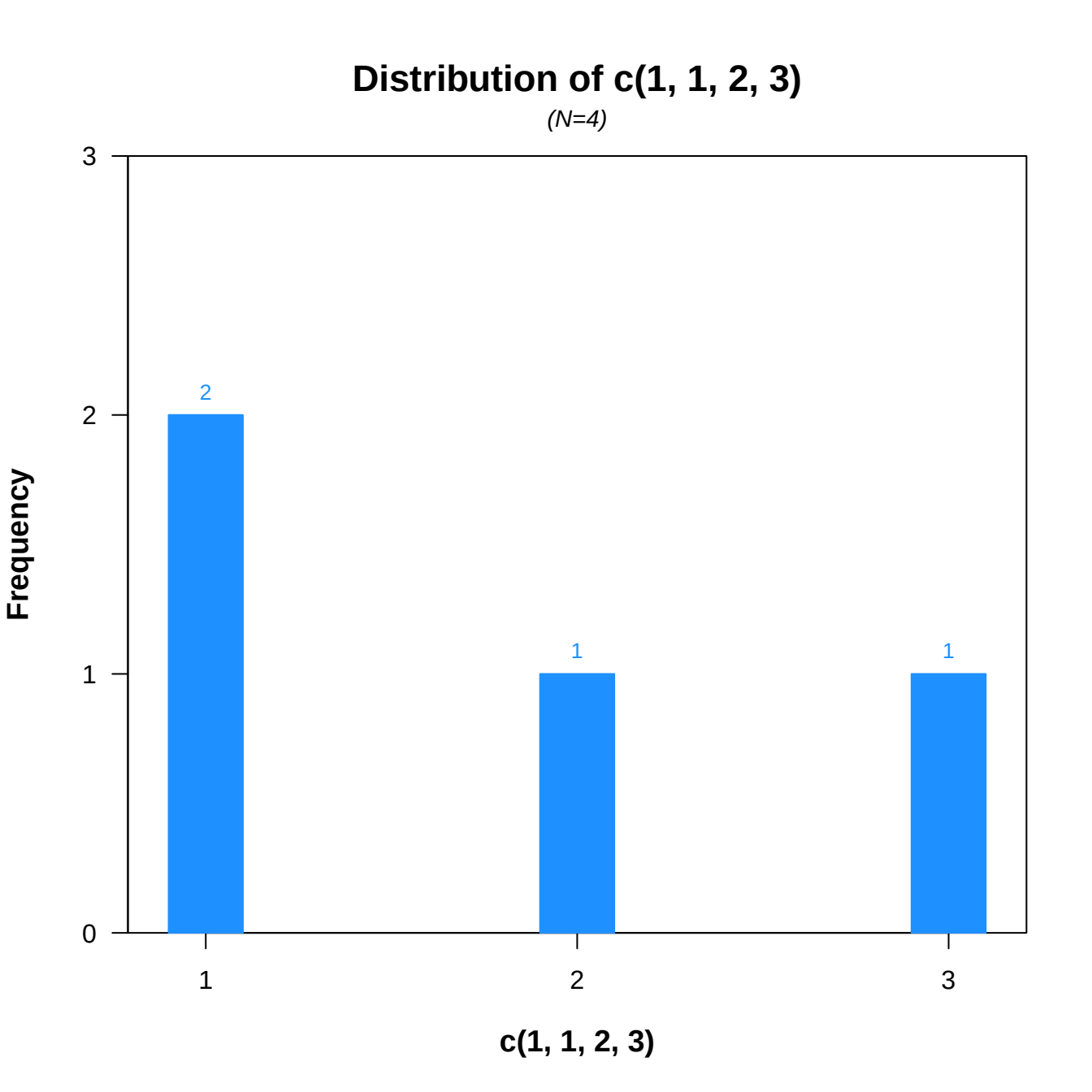

Distribution of x
(N=6)
Frequency
4
3
2
1
0
1
2
3
b
c
a
x

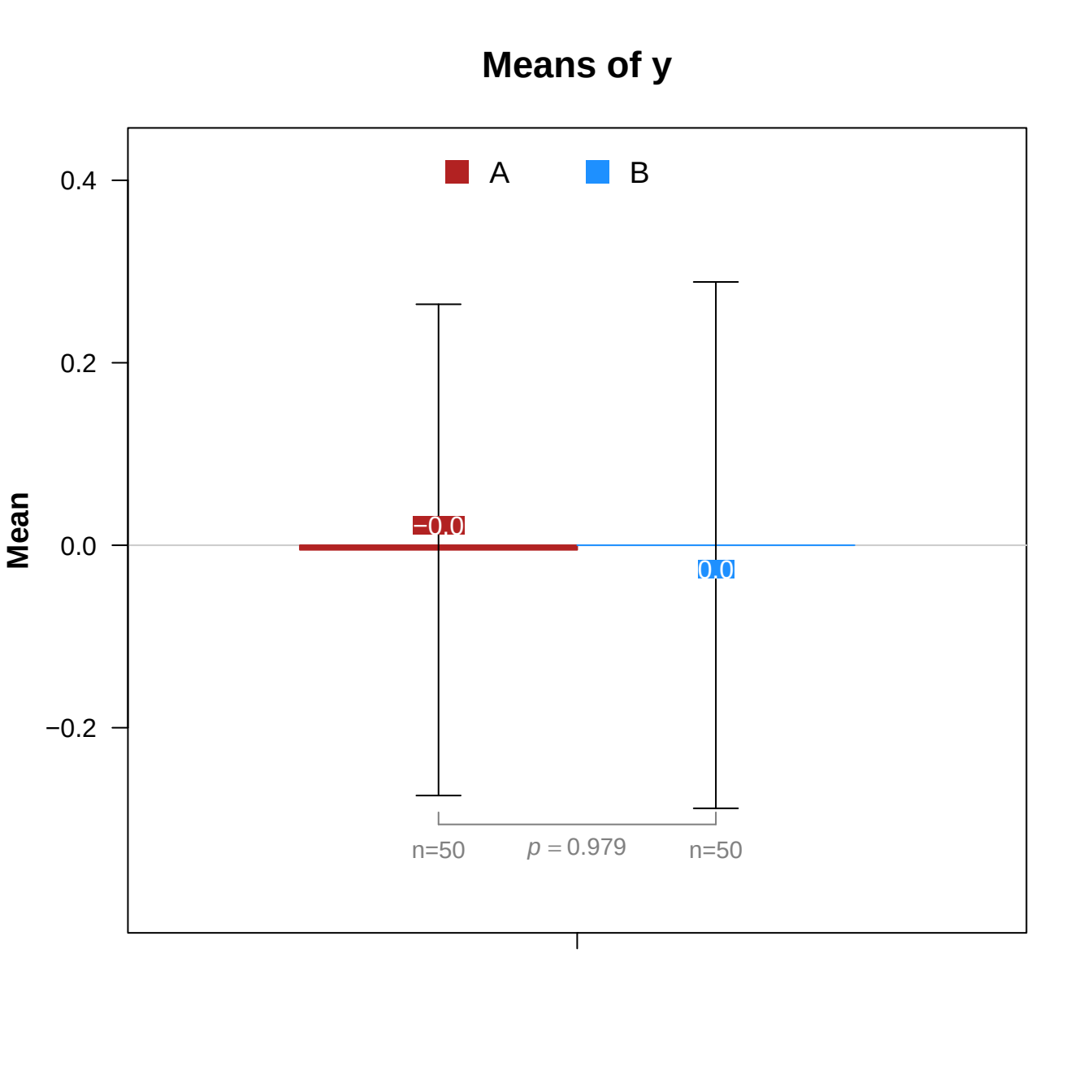

Distribution of x
(N=5)
Frequency
3
2
1
0
2
2
1
c
a
b
x

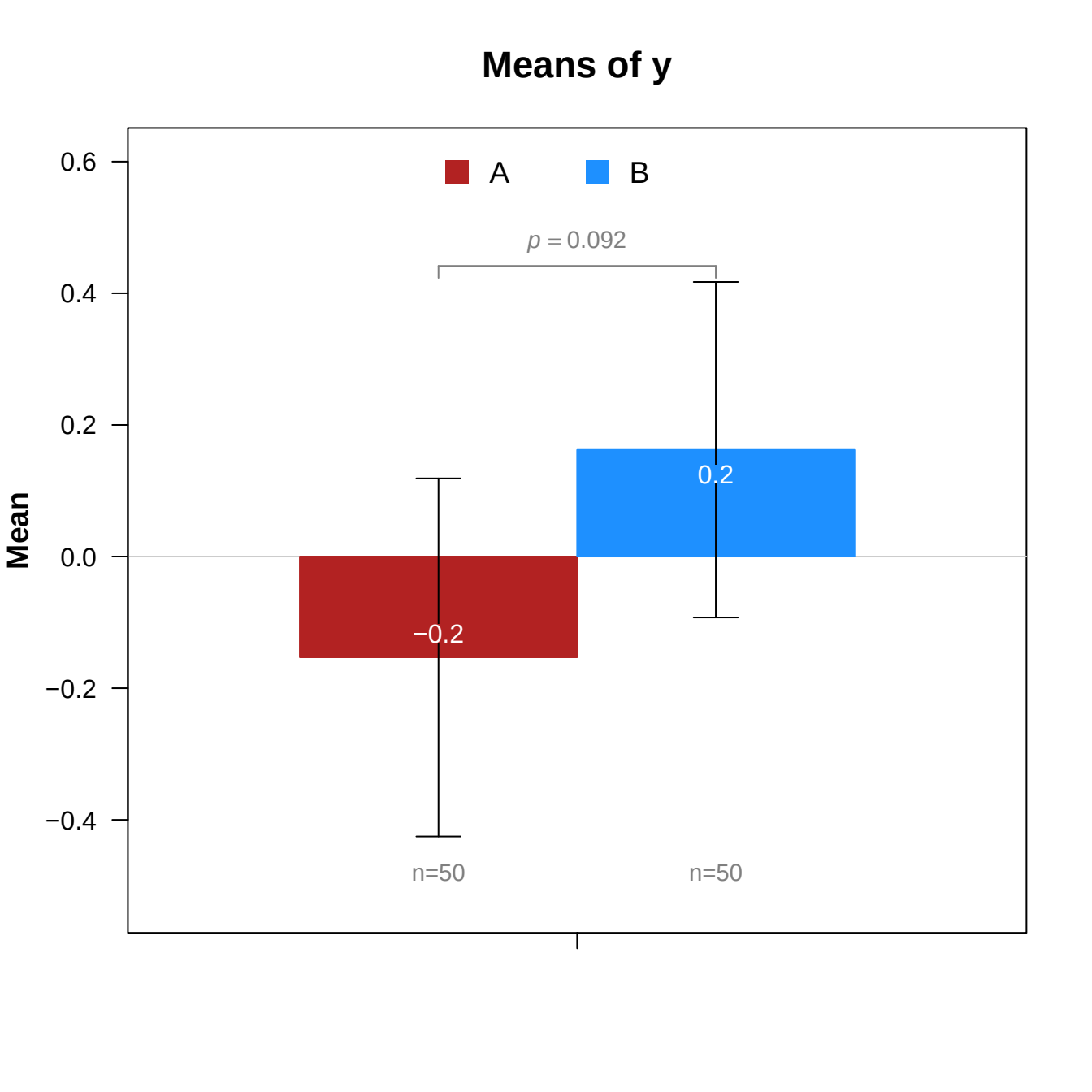

Distribution of x
(N=4)
Frequency
3
2
1
0
2
1
1
c
a
b
x

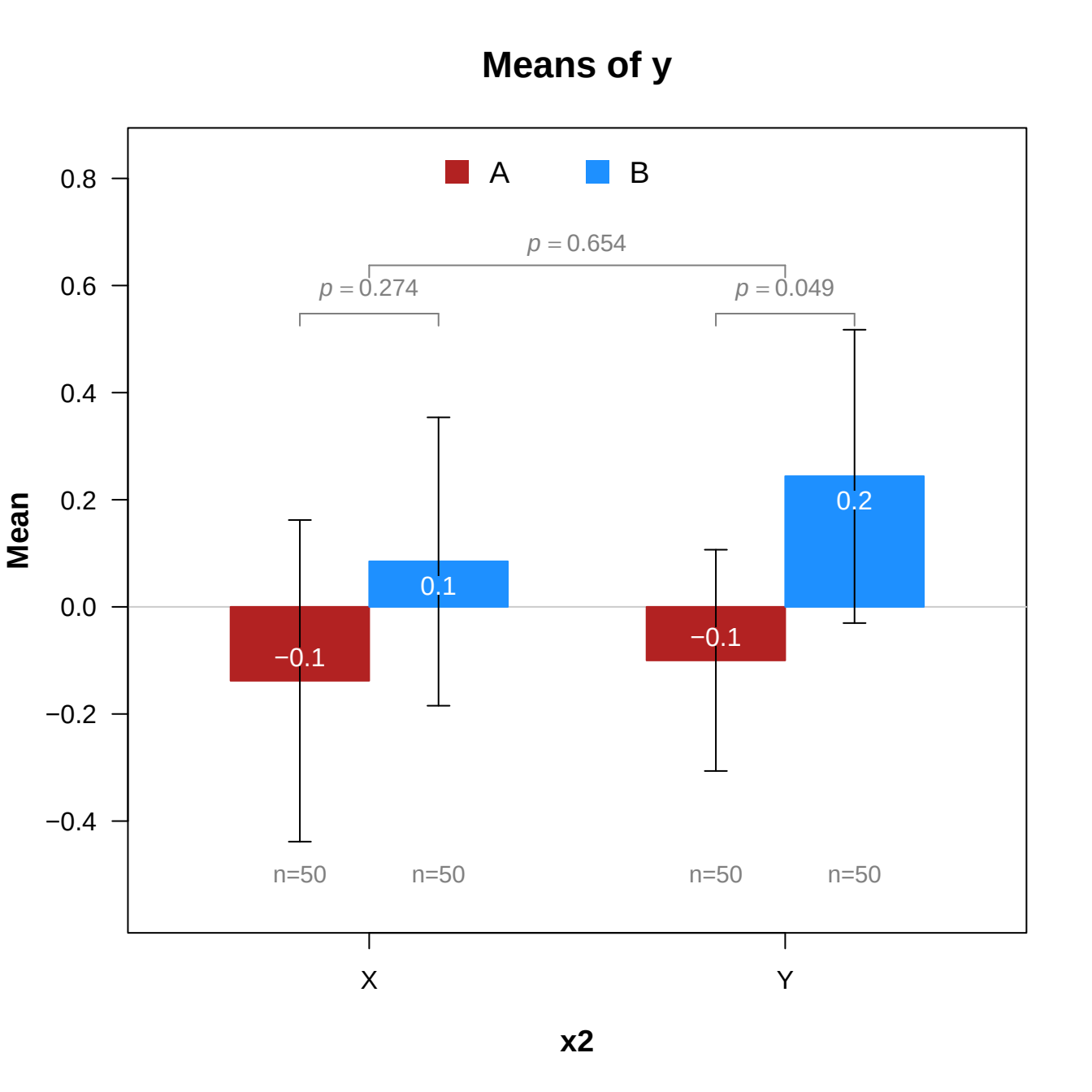

Distribution of x
(N=4)
Frequency
3
2
1
0
2
1
1
a
b
c
x

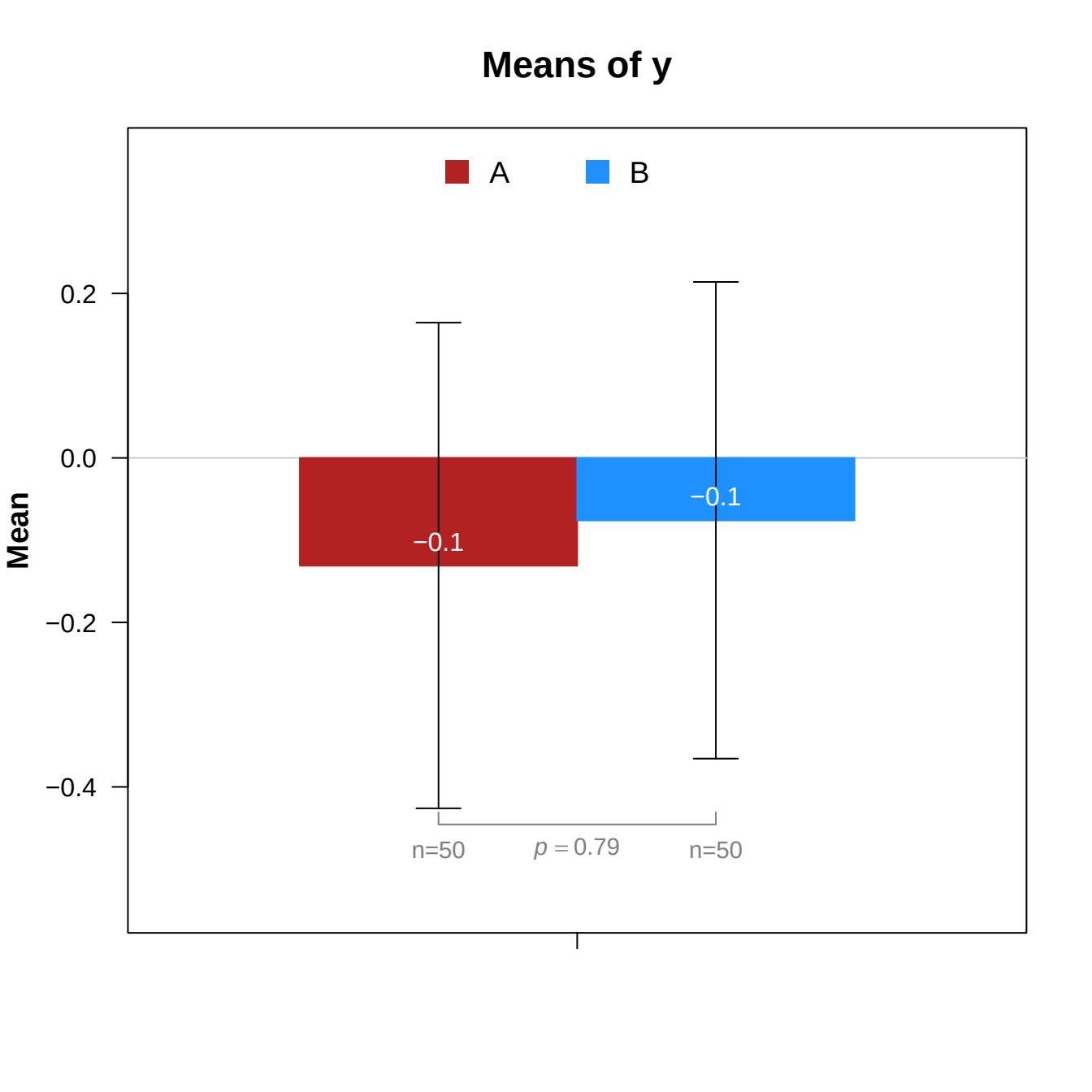

Distribution of v
(N=7)
B (N=3)
A (N=4)
2
2
1
1
1
2
1
0
Frequency
a
b
c
v

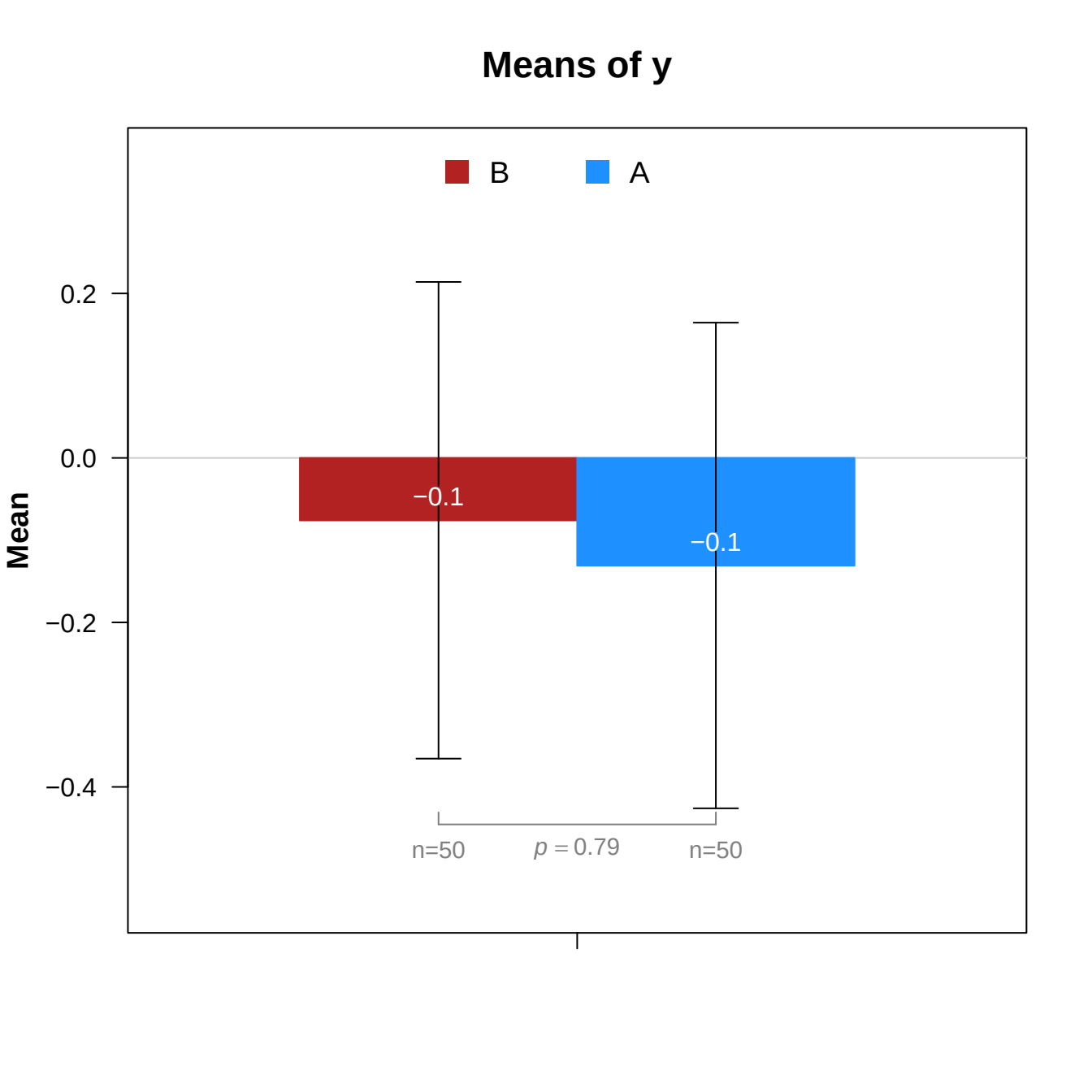

Distribution of c(1, 1, 2, 3)
(N=4)
Frequency
3
2
1
0
2
1
1
1
2
3
c(1, 1, 2, 3)

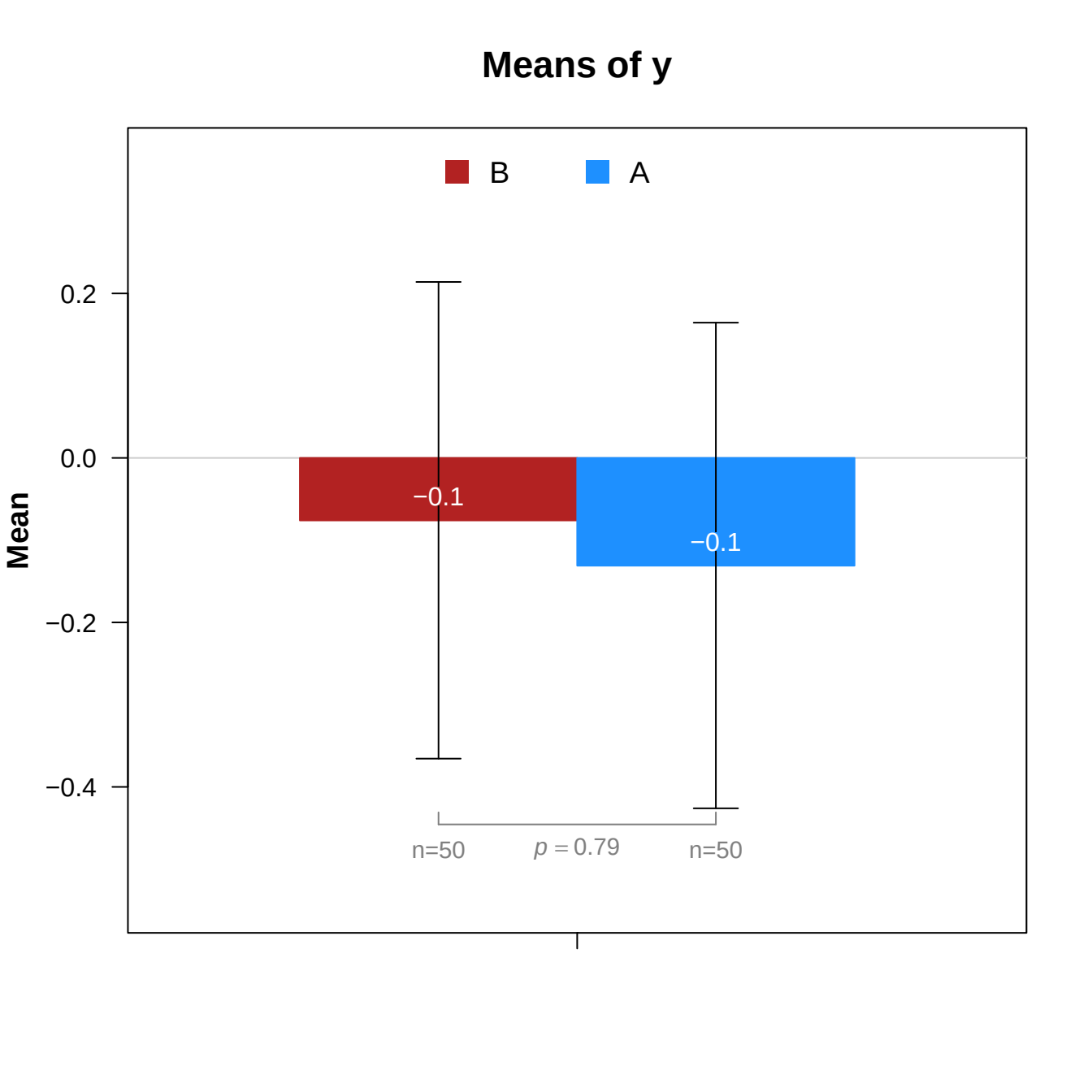

Means of y
A
B
0.4
0.2
0.0
−0.2
Mean
−0.0
0.0
n=50
p = 0.979
n=50

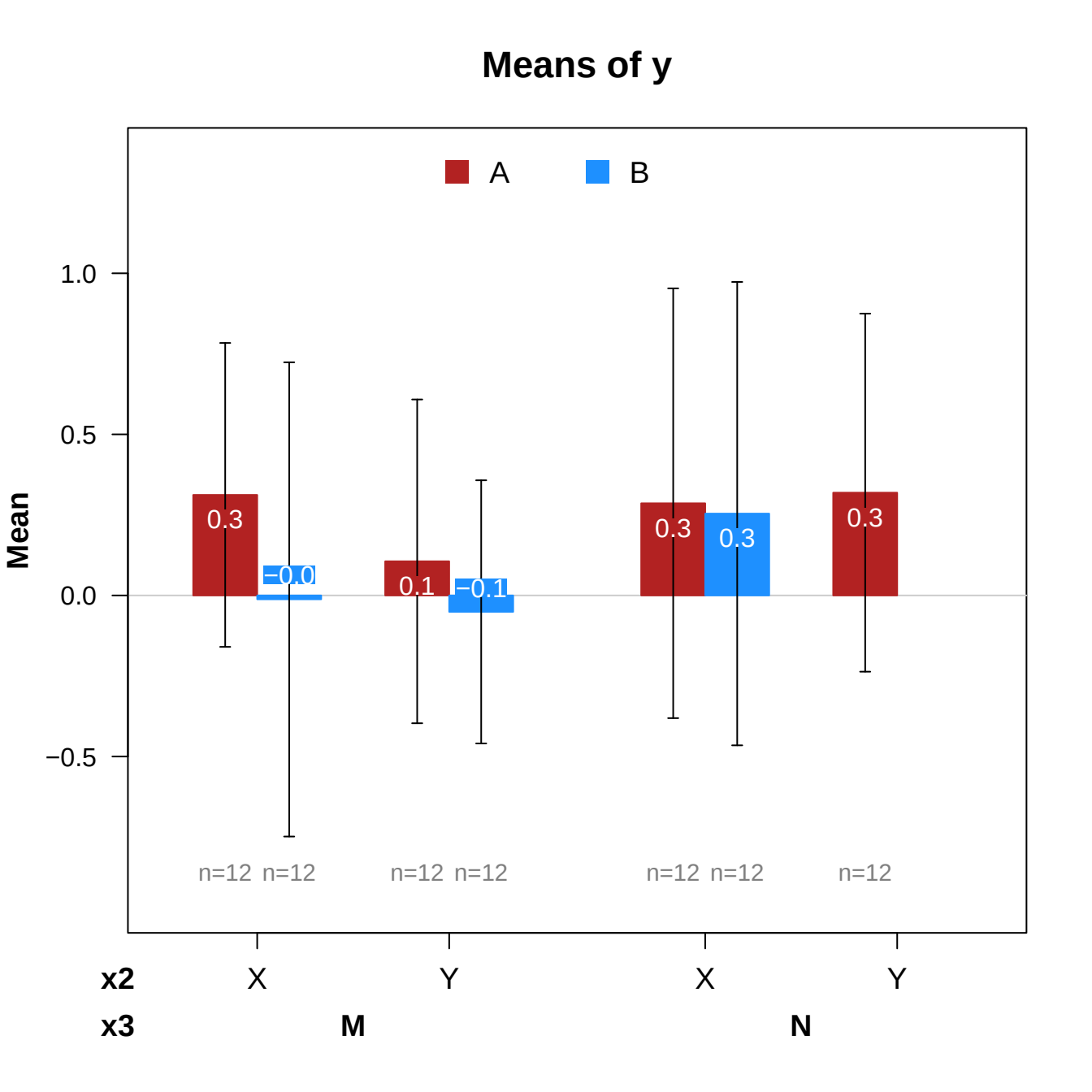

Means of y
A
B
p = 0.092
0.6
0.4
0.2
0.0
−0.2
−0.4
Mean
0.2
−0.2
n=50
n=50

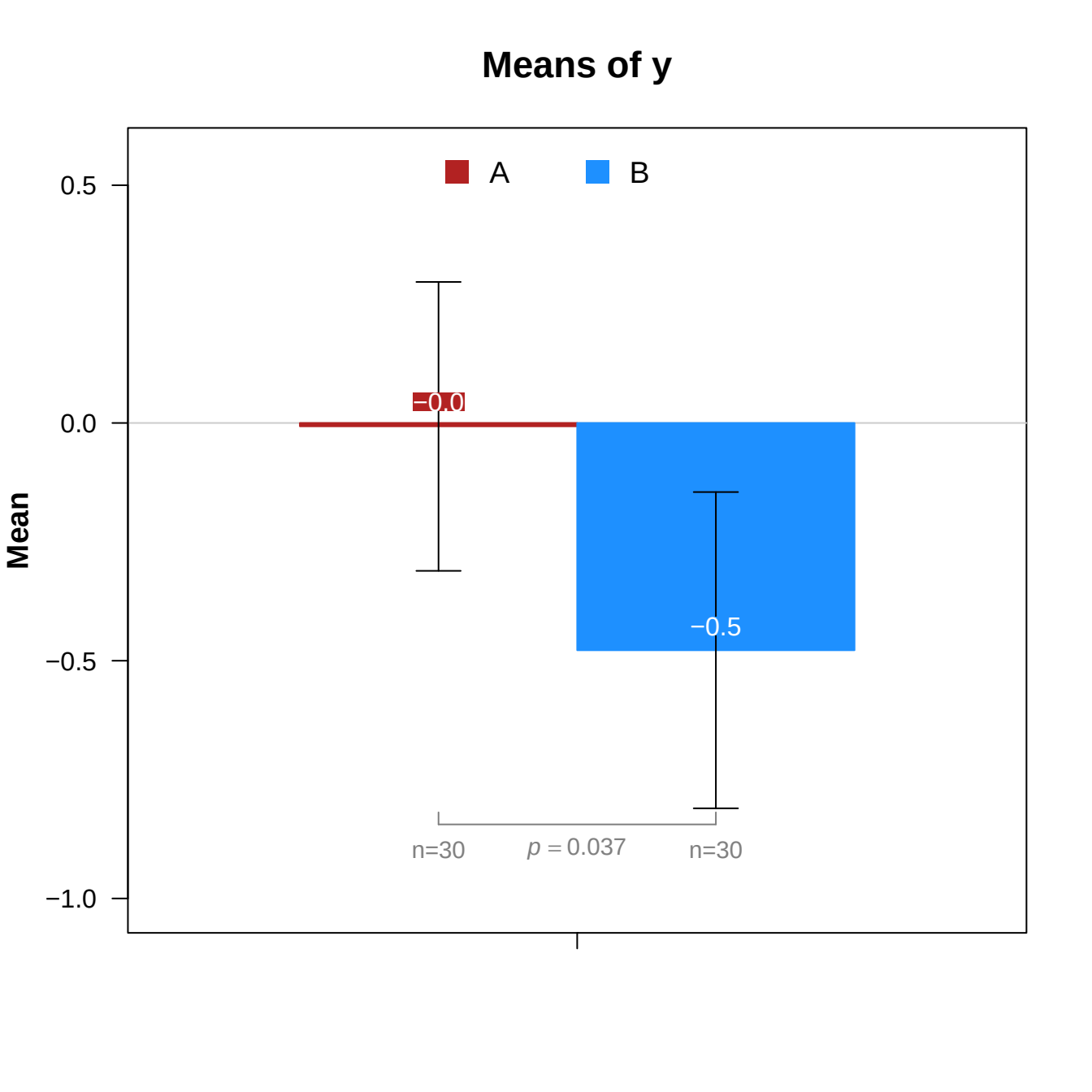

Means of y
A
B
p = 0.654
p = 0.274
p = 0.049
0.8
0.6
0.4
0.2
0.0
−0.2
−0.4
Mean
0.1
−0.1
0.2
−0.1
n=50
n=50
n=50
n=50
X
Y
x2

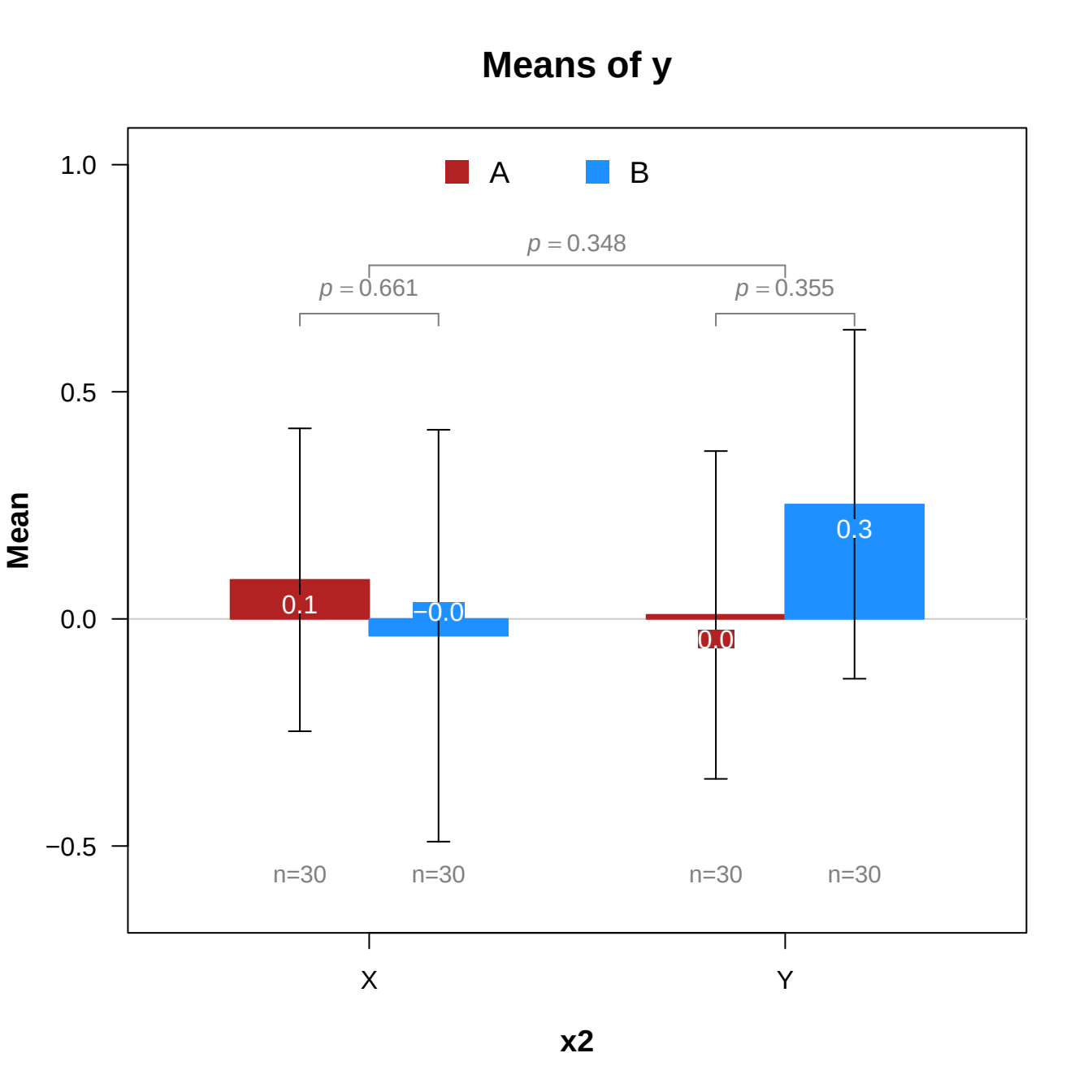

Means of y
A
B
0.2
0.0
−0.2
−0.4
Mean
−0.1
−0.1
n=50
p = 0.79
n=50

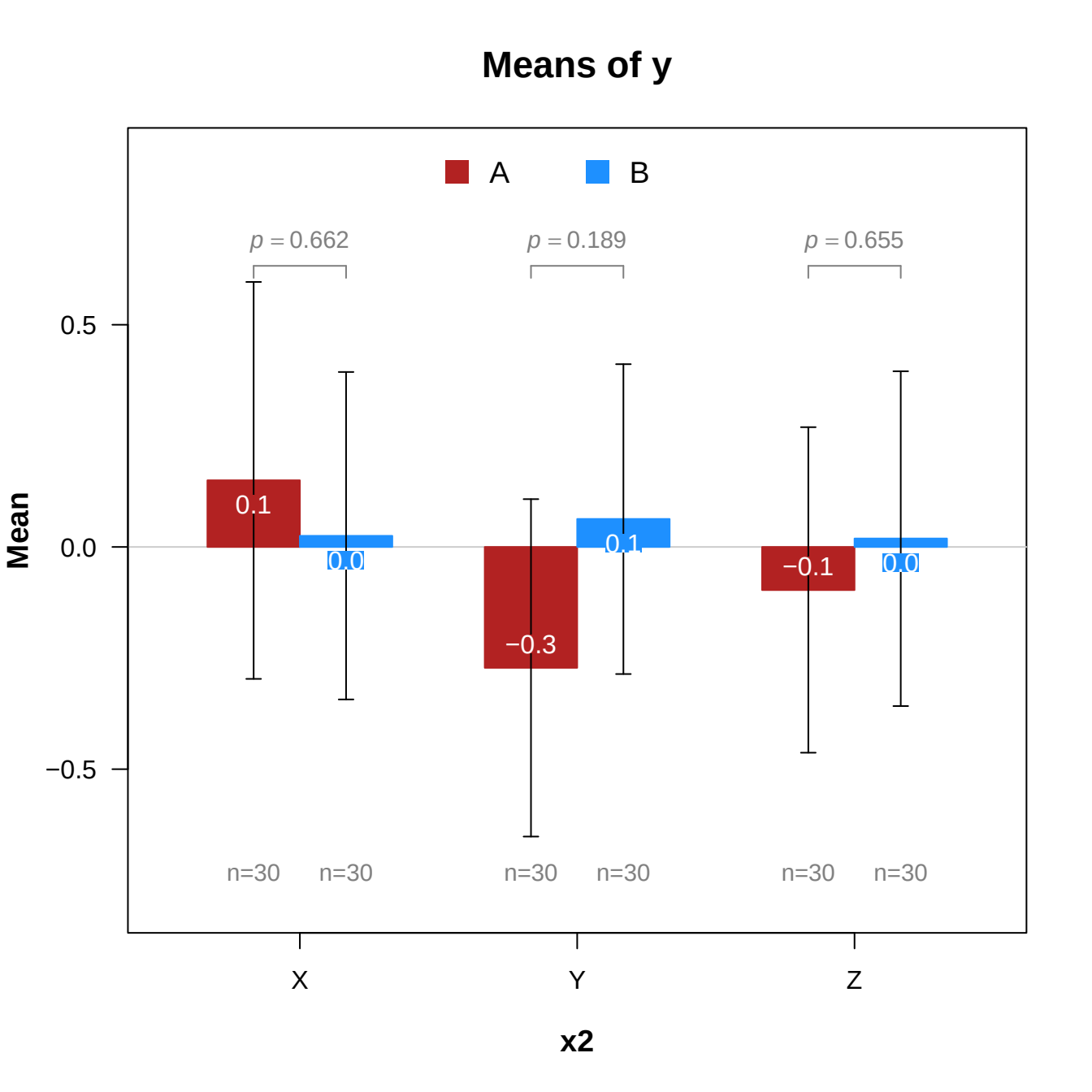

Means of y
B
A
Mean
0.2
0.0
−0.2
−0.4
−0.1
−0.1
n=50
p = 0.79
n=50

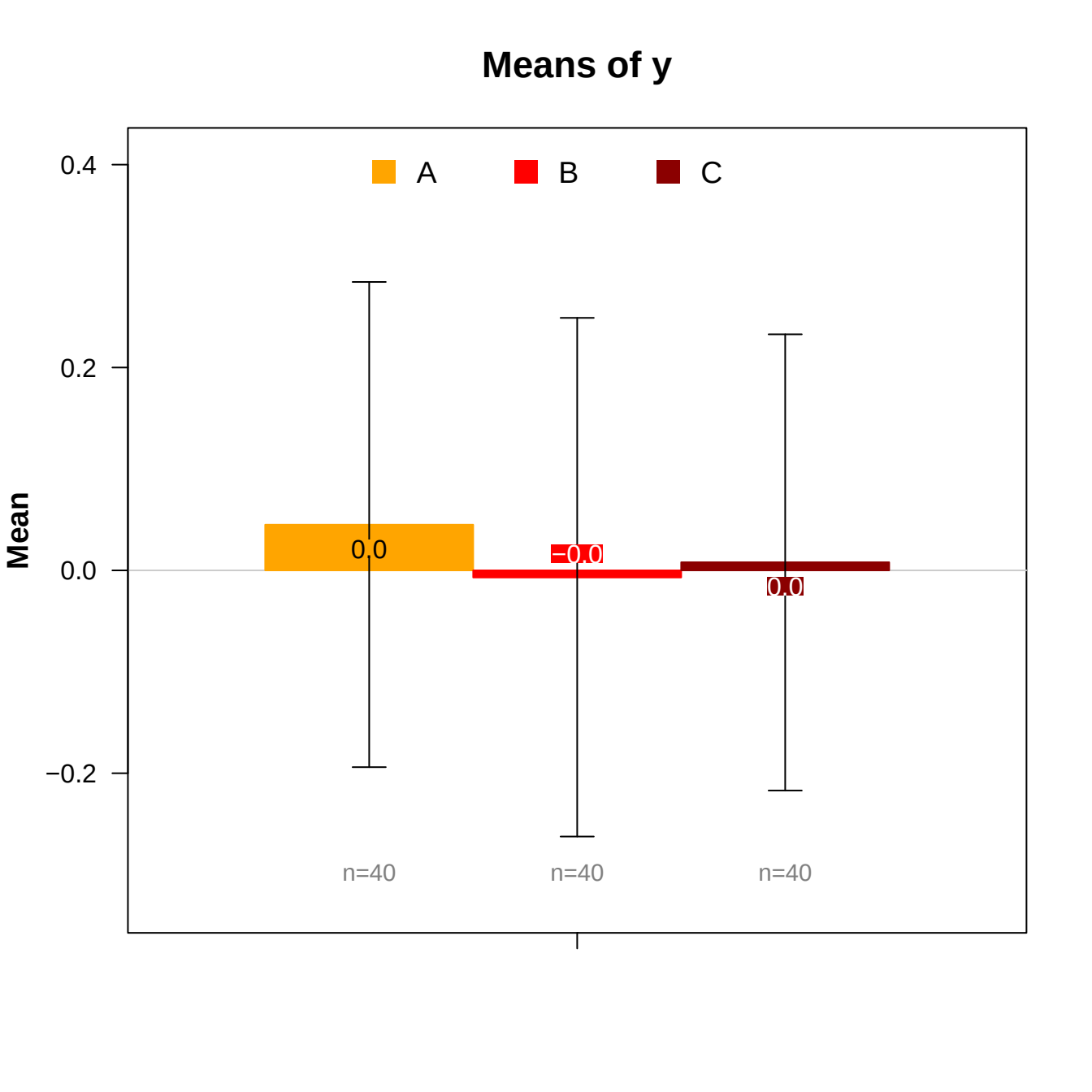

Means of y
B
A
Mean
0.2
0.0
−0.2
−0.4
−0.1
−0.1
n=50
p = 0.79
n=50

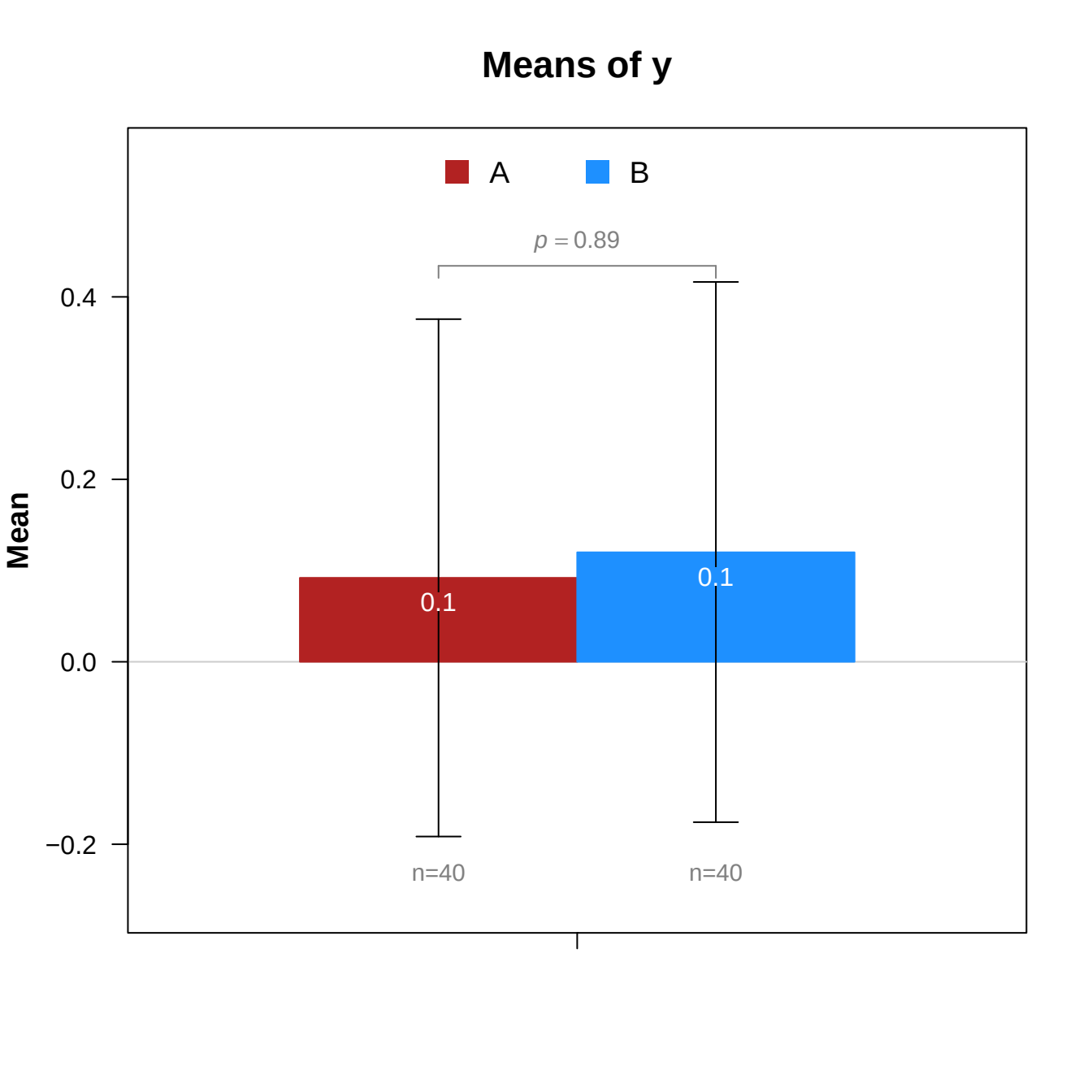

Means of y
A
B
Mean
1.0
0.5
0.0
−0.5
0.3
−0.0
0.1
−0.1
0.3
0.3
0.3
n=12
n=12
n=12
n=12
n=12
n=12
n=12
x2
X
Y
X
Y
x3
M
N

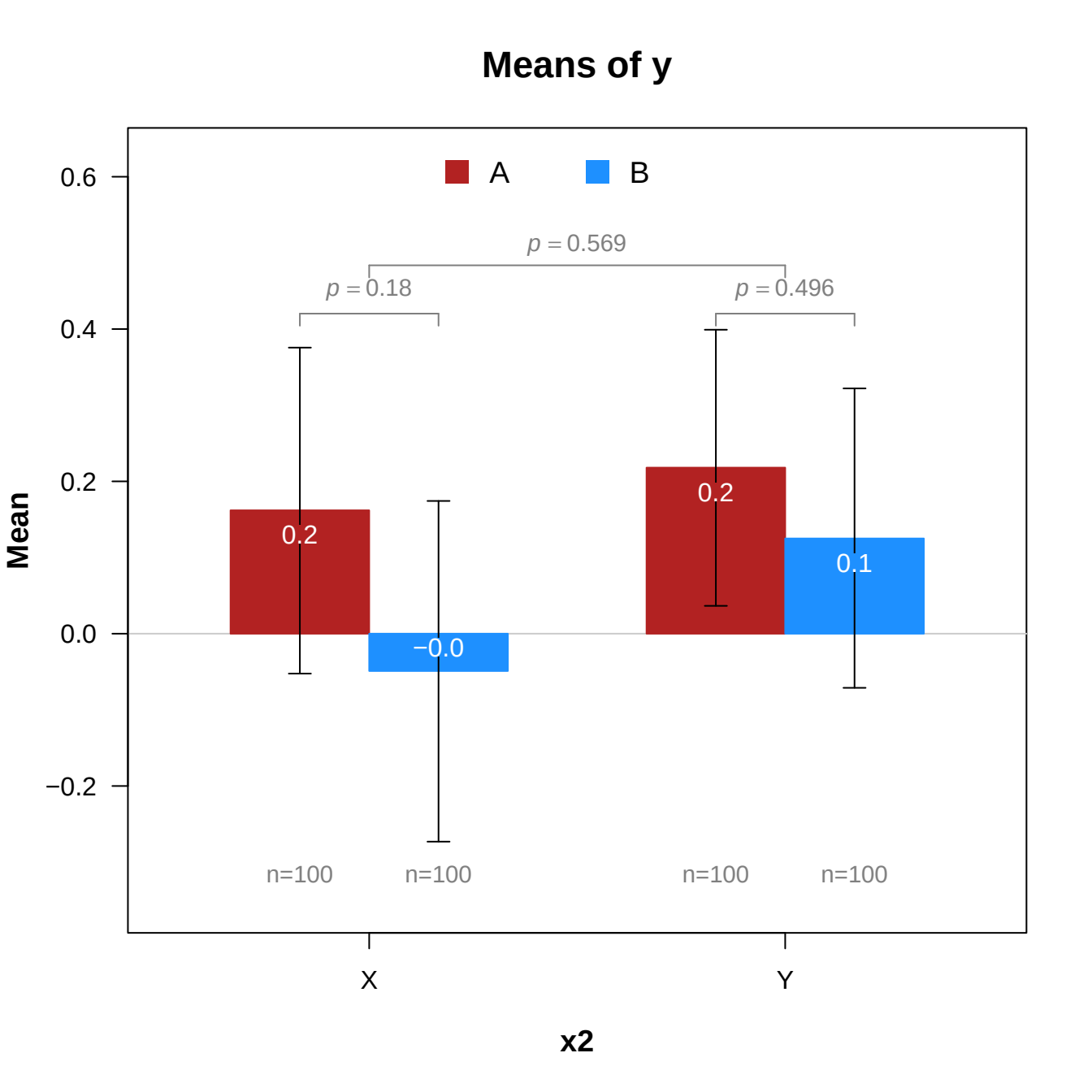

Means of y
A
B
0.5
0.0
−0.5
−1.0
Mean
−0.0
−0.5
n=30
p = 0.037
n=30

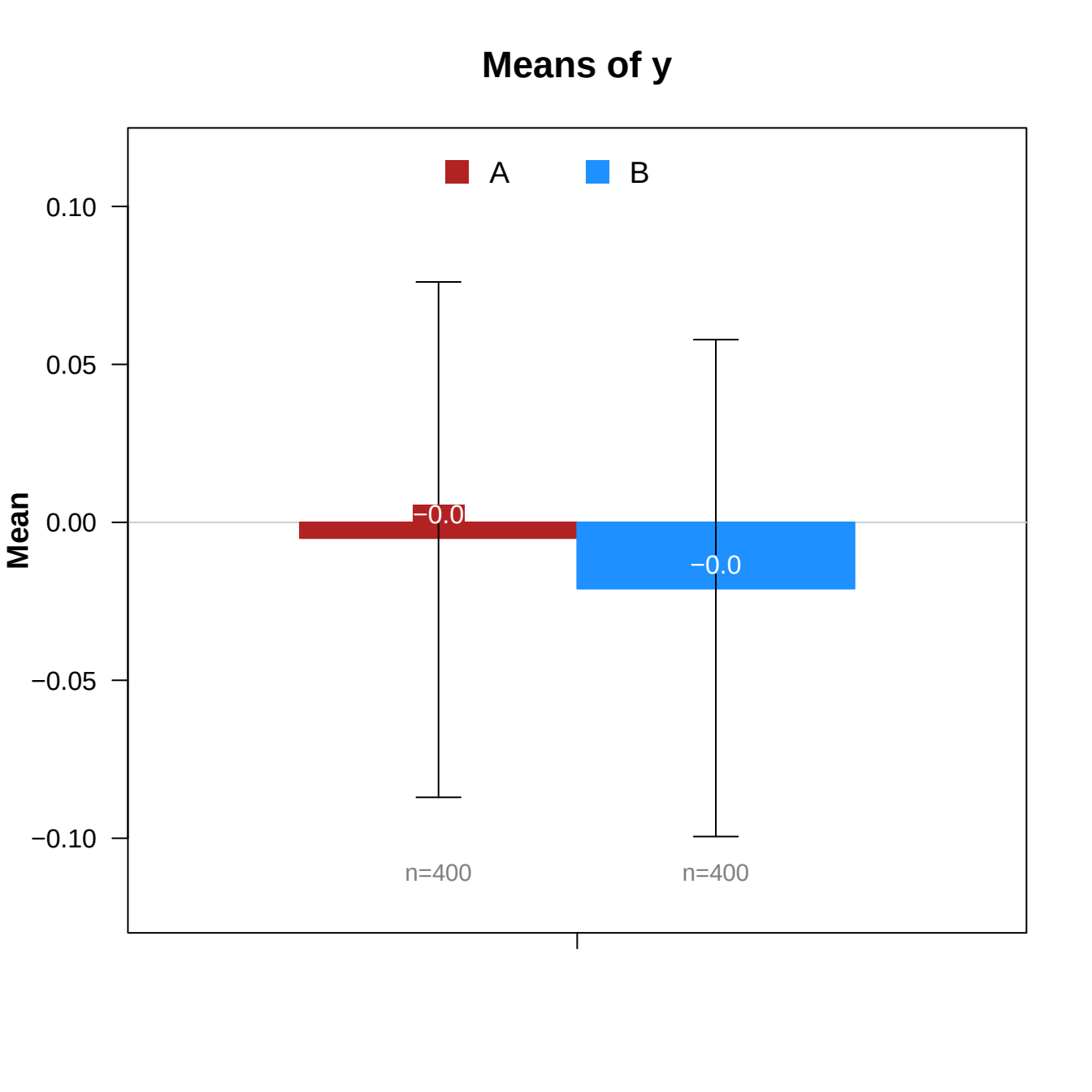

Means of y
A
B
p = 0.348
p = 0.661
p = 0.355
1.0
0.5
0.0
−0.5
Mean
0.1
−0.0
0.0
0.3
n=30
n=30
n=30
n=30
X
Y
x2

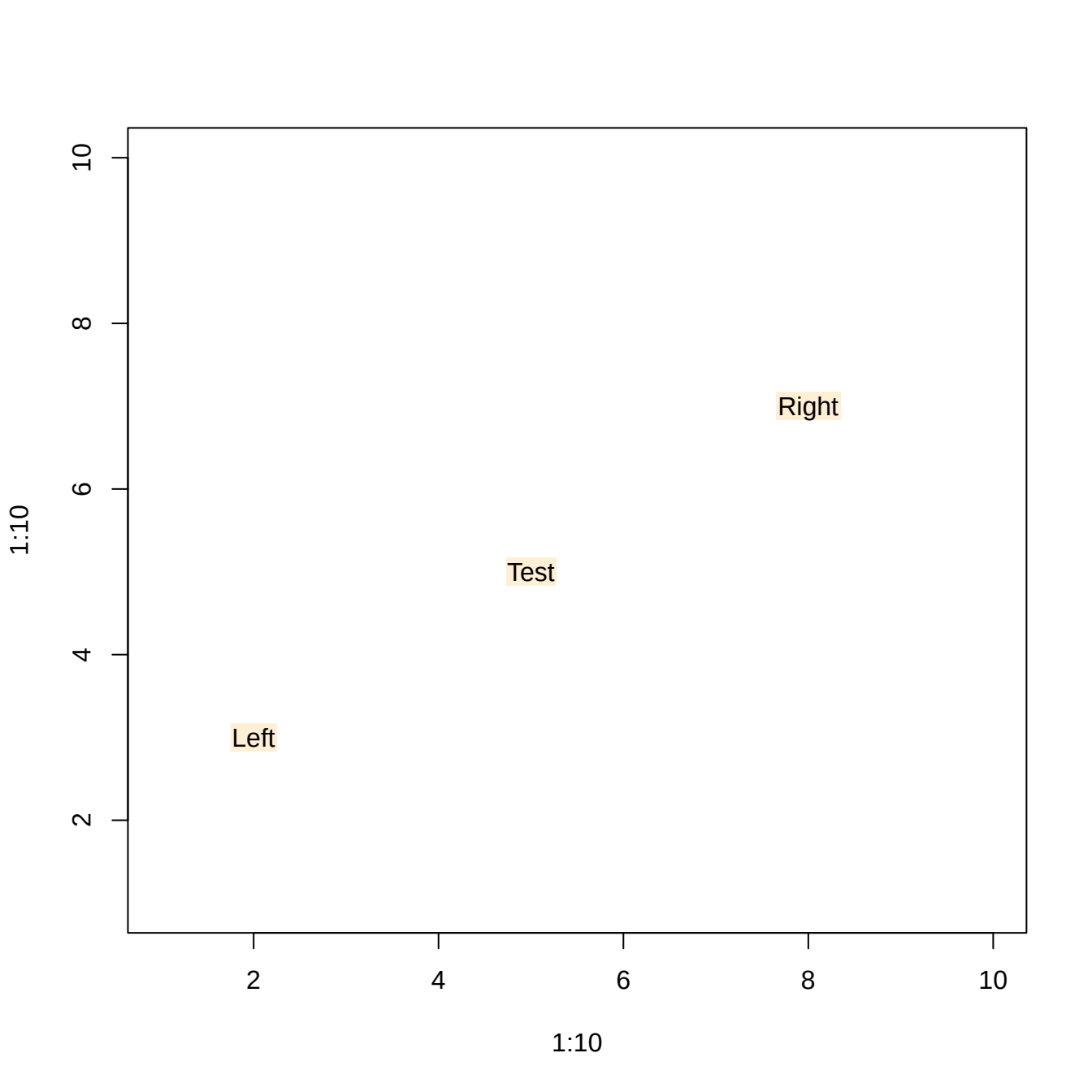

Means of y
A
B
p = 0.662
p = 0.189
p = 0.655
0.5
0.0
−0.5
Mean
0.1
0.0
−0.3
0.1
−0.1
0.0
n=30
n=30
n=30
n=30
n=30
n=30
X
Y
Z
x2

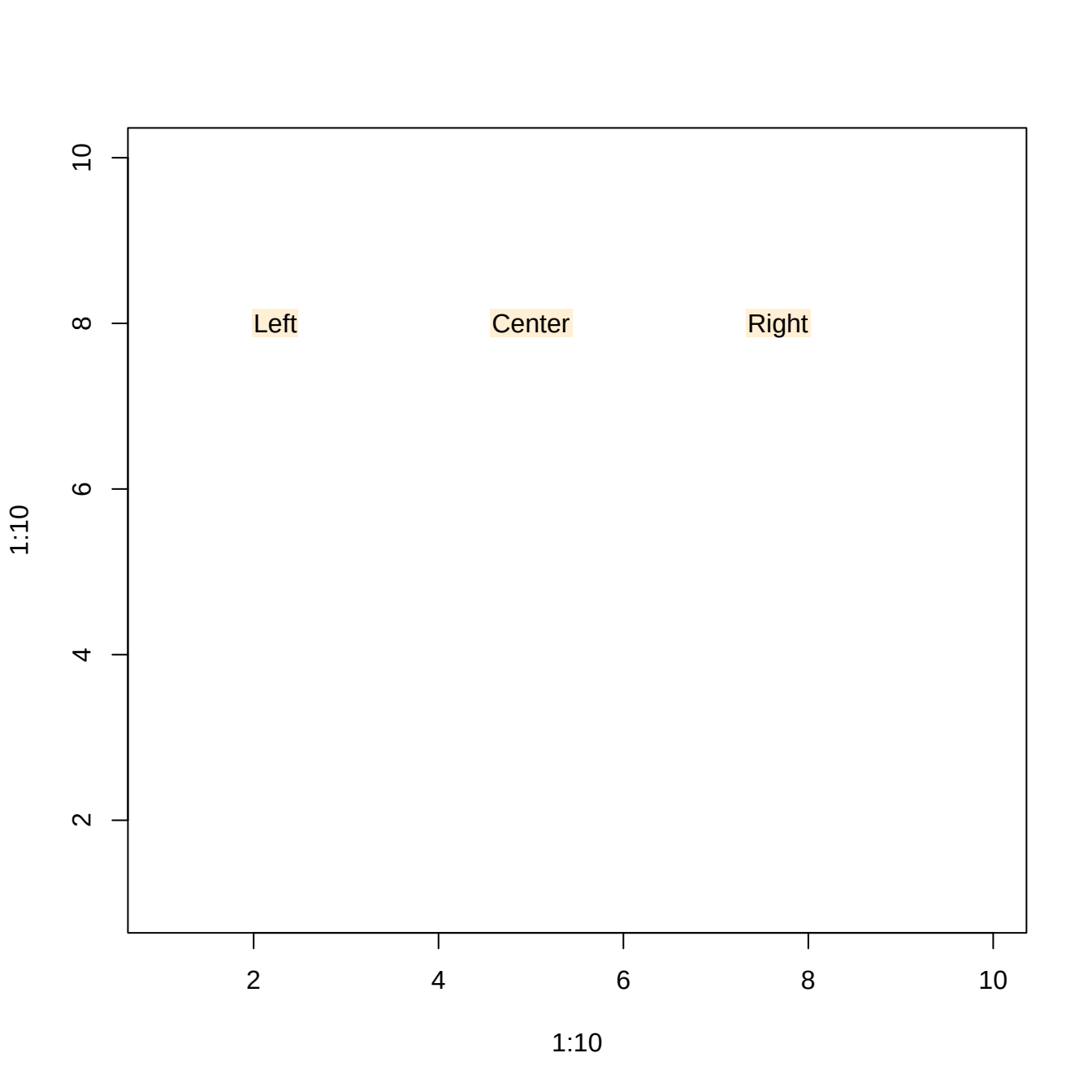

Means of y
A
B
C
0.4
0.2
0.0
−0.2
Mean
0.0
−0.0
0.0
n=40
n=40
n=40

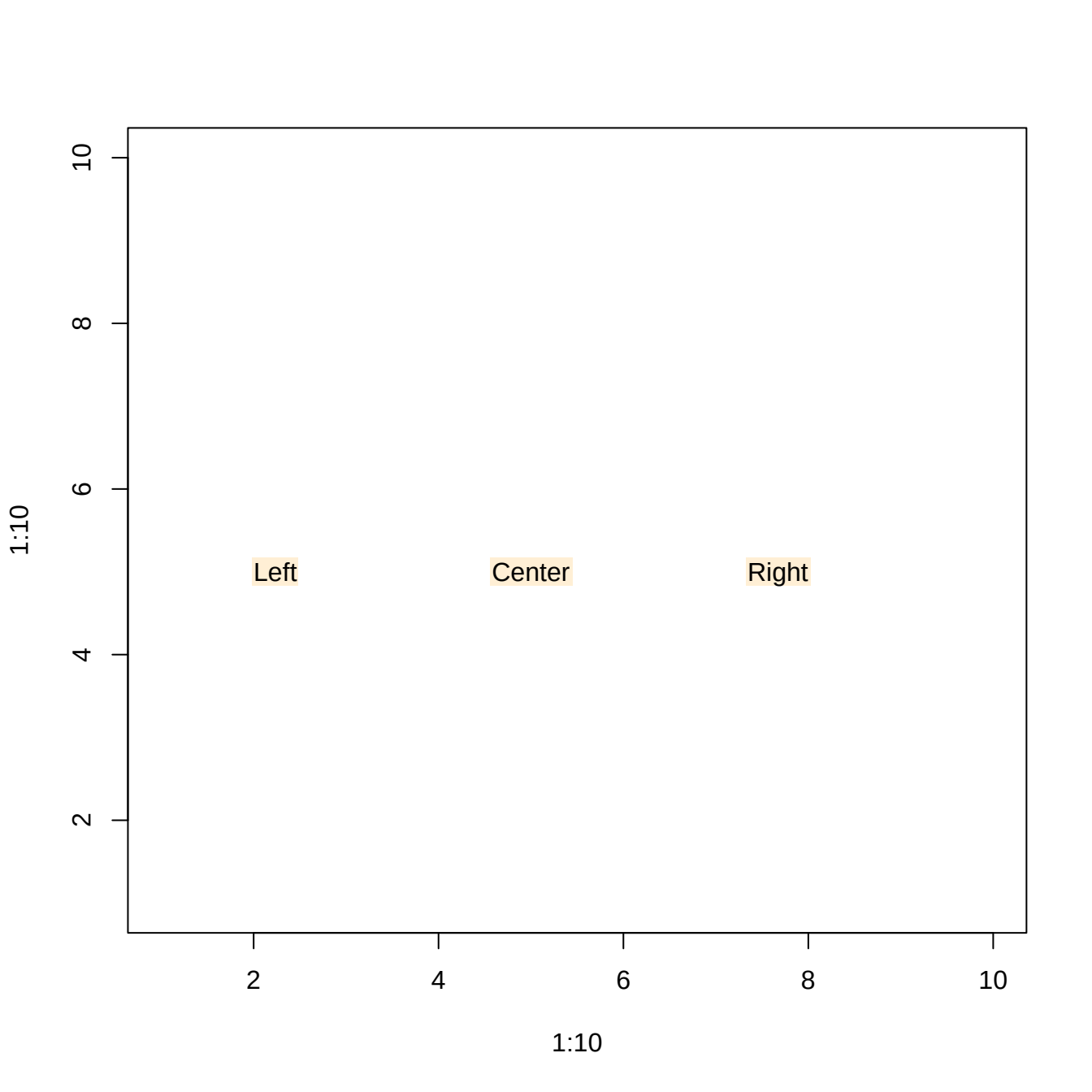

Means of y
A
B
p = 0.89
0.4
0.2
0.0
−0.2
Mean
0.1
0.1
n=40
n=40

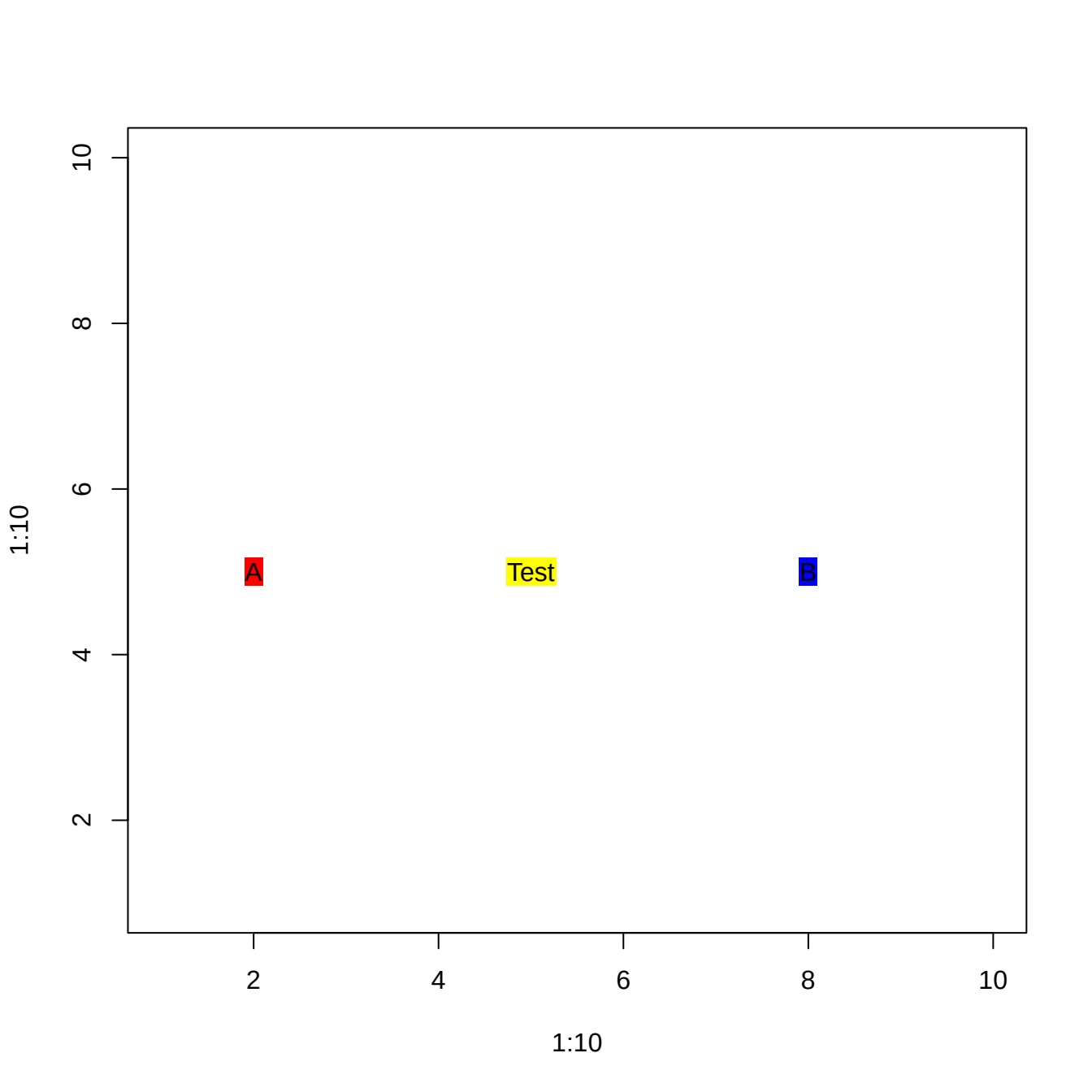

Means of y
A
B
p = 0.569
p = 0.18
p = 0.496
0.6
0.4
0.2
0.0
−0.2
Mean
0.2
−0.0
0.2
0.1
n=100
n=100
n=100
n=100
X
Y
x2

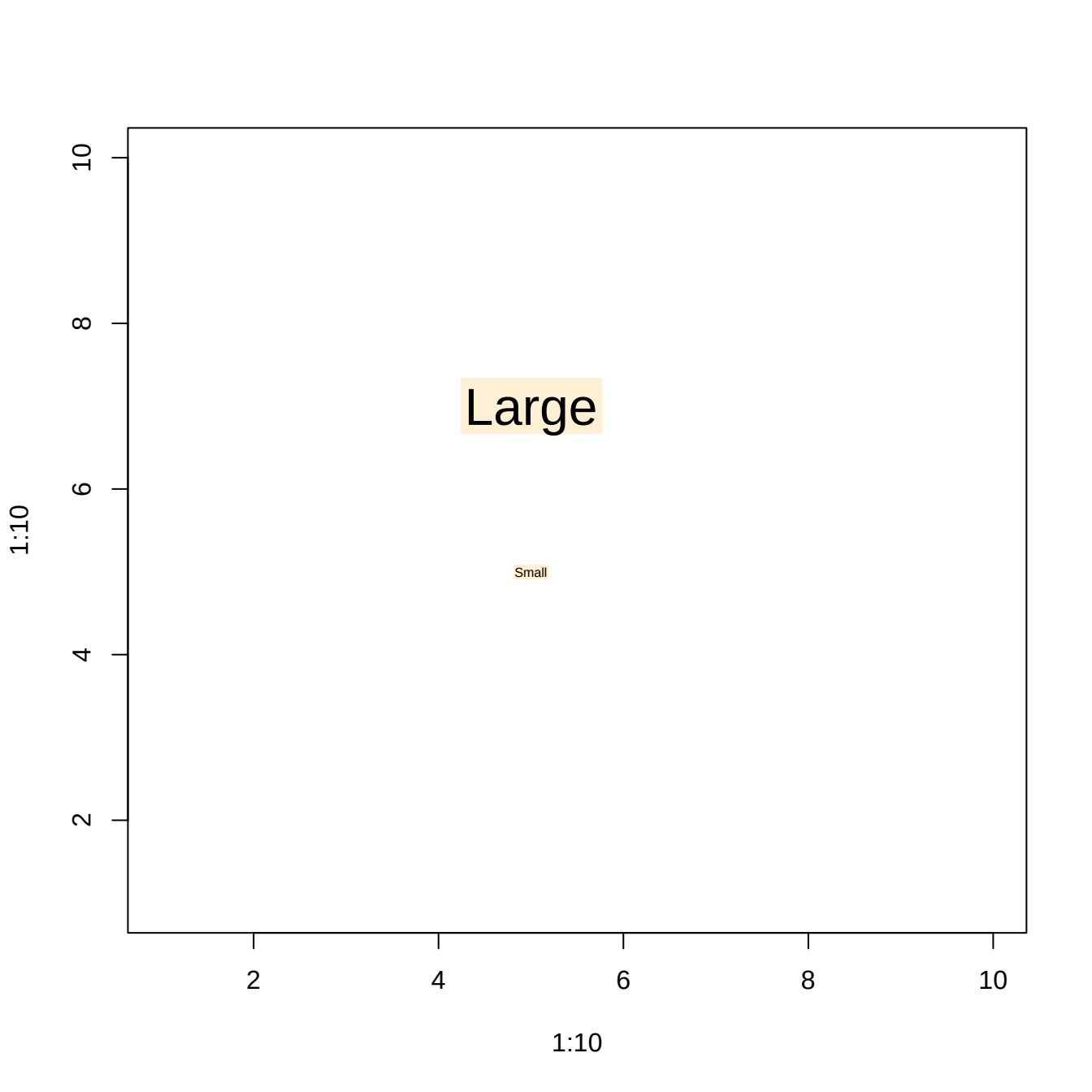

Means of y
A
B
0.10
0.05
0.00
−0.05
−0.10
Mean
−0.0
−0.0
n=400
n=400

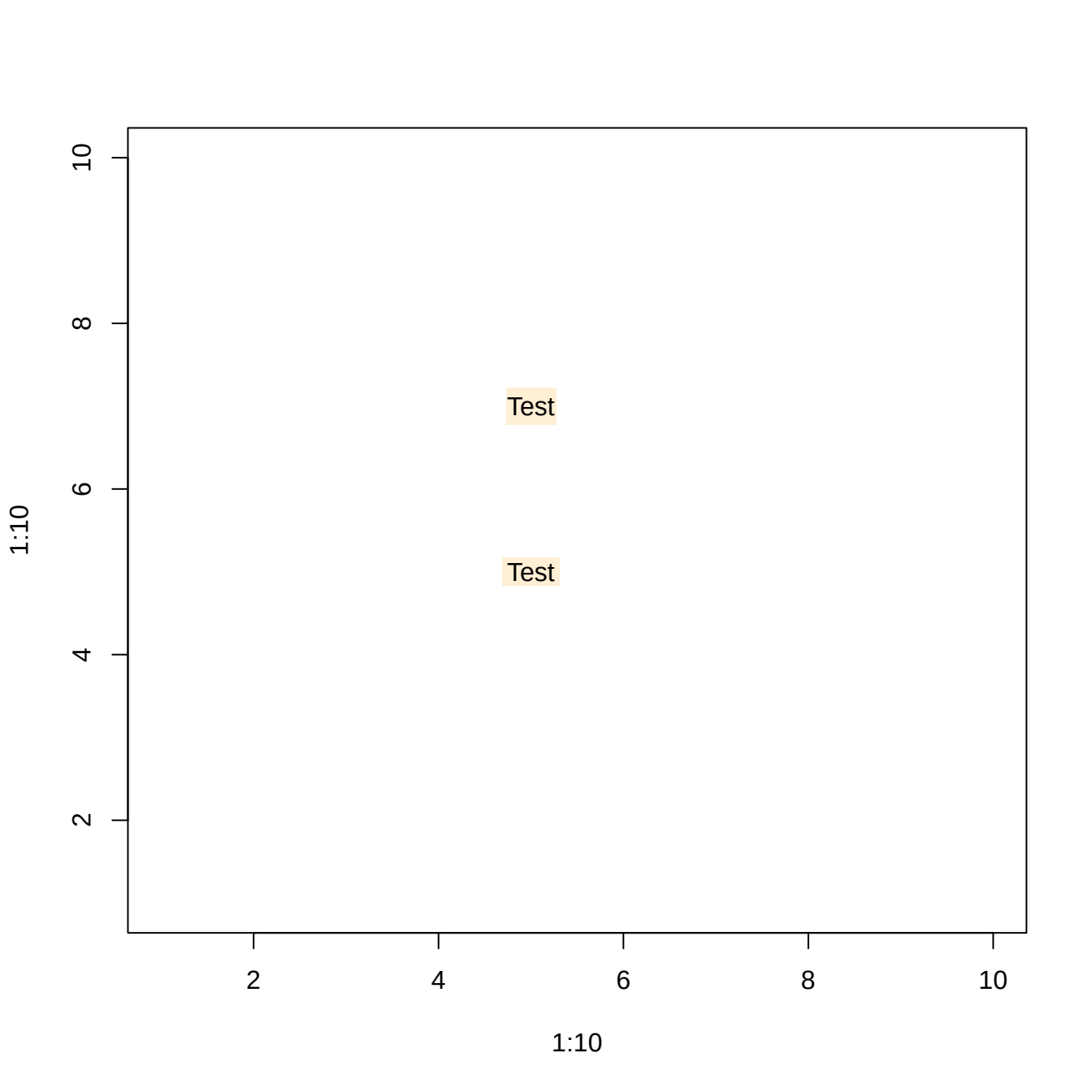

Right
Test
Left
1:10
1:10
2
4
6
8
10
2
4
6
8
10

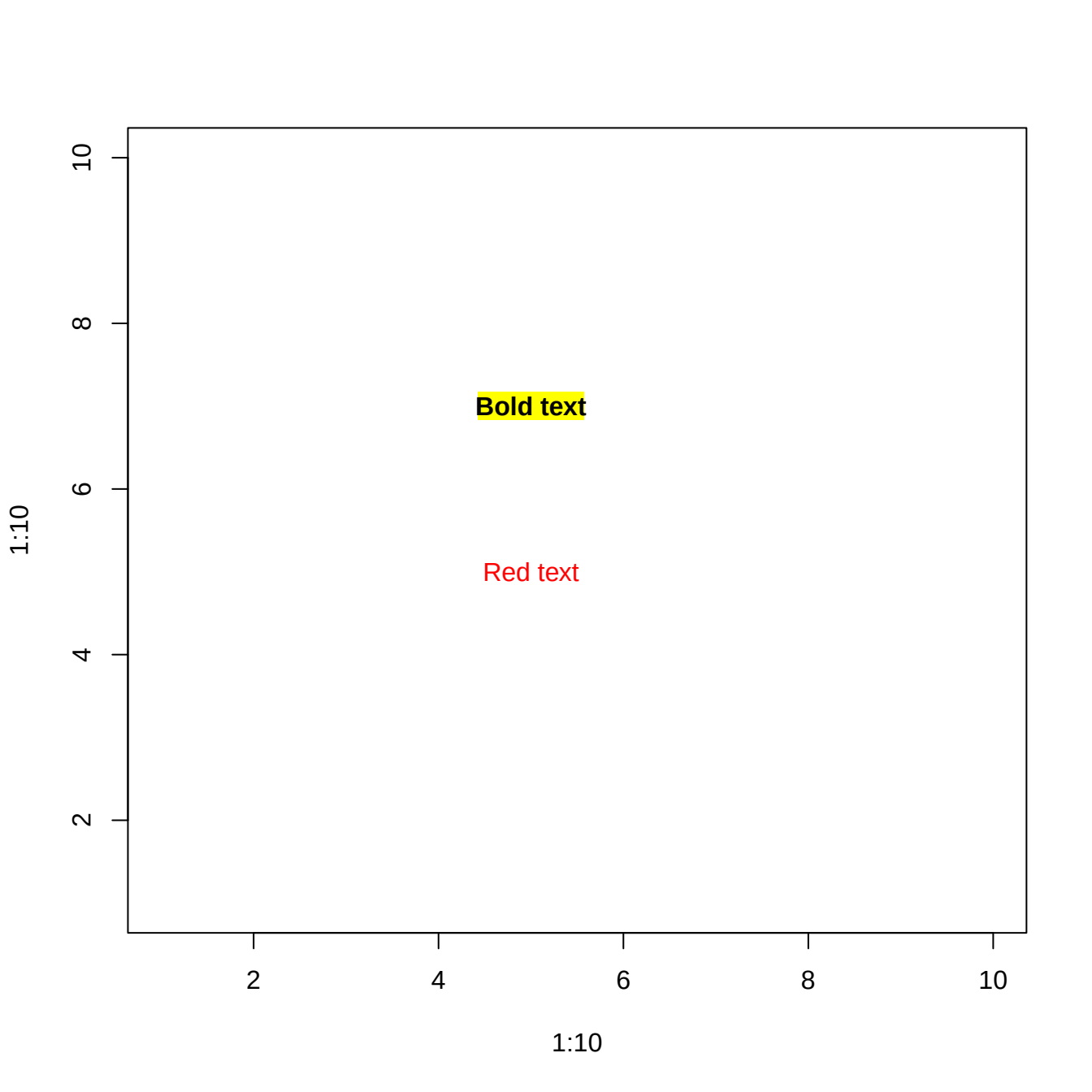

Left
Center
Right
1:10
1:10
2
4
6
8
10
2
4
6
8
10

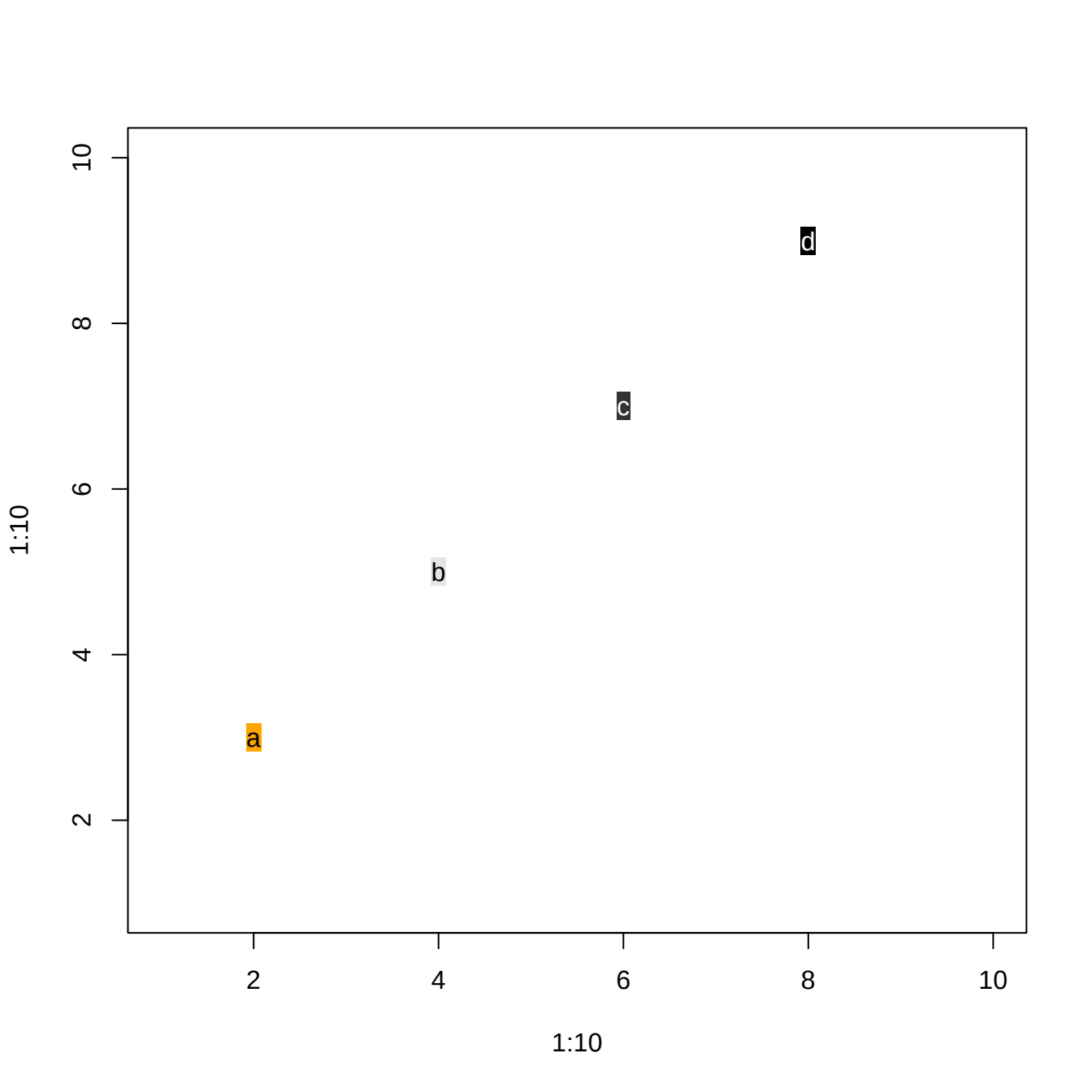

Left
Center
Right
1:10
1:10
2
4
6
8
10
2
4
6
8
10

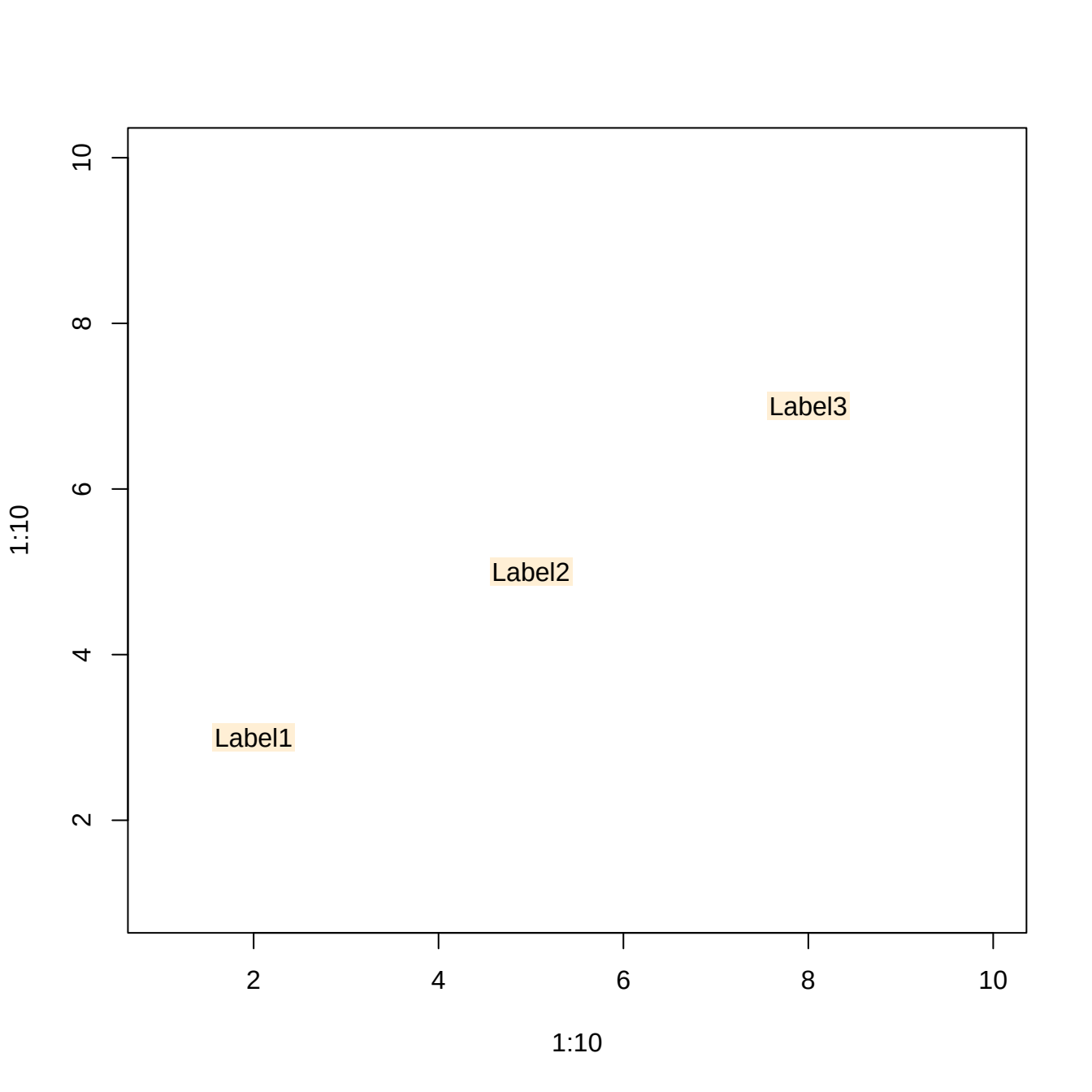

A
Test
B
1:10
1:10
2
4
6
8
10
2
4
6
8
10

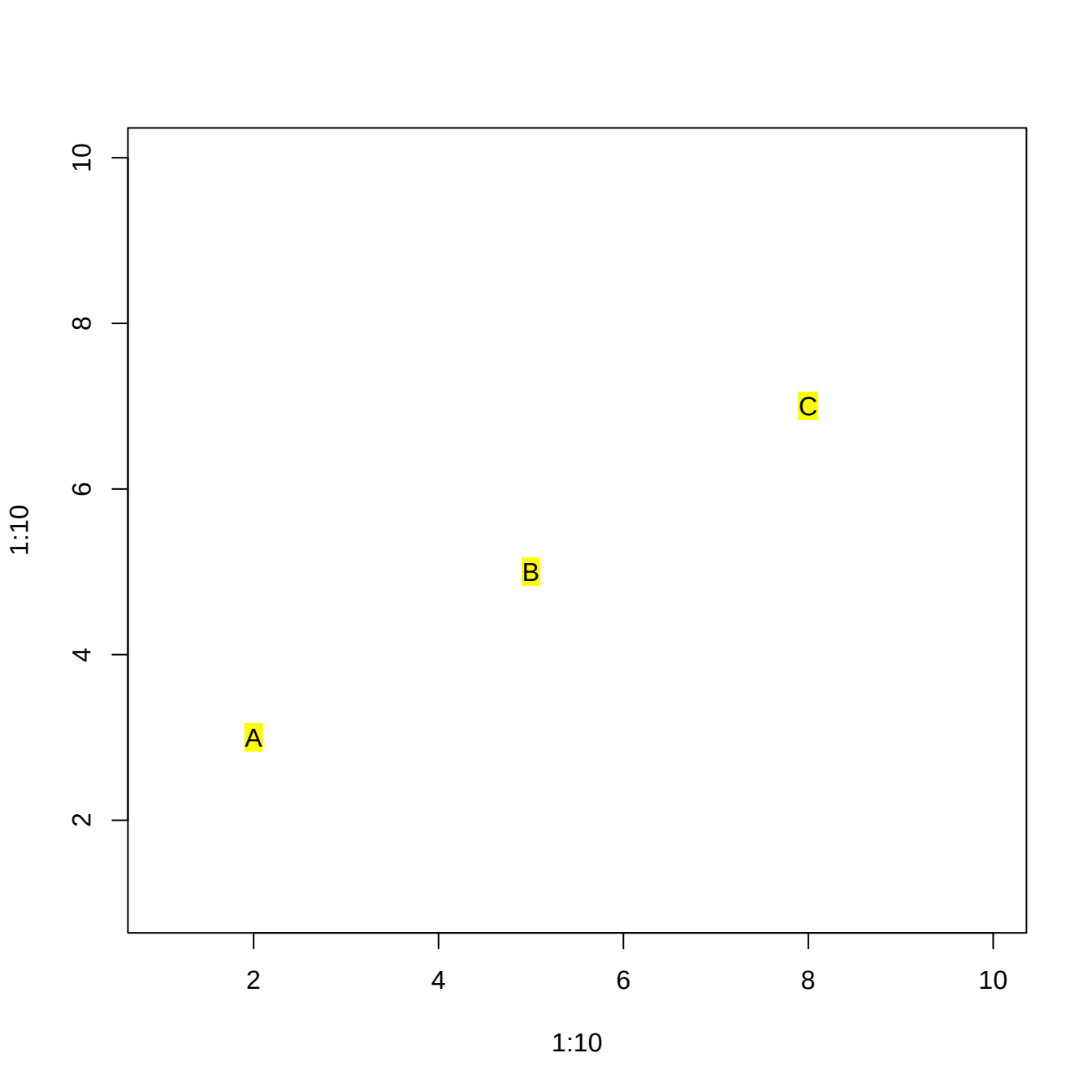

Large
Small
1:10
1:10
2
4
6
8
10
2
4
6
8
10

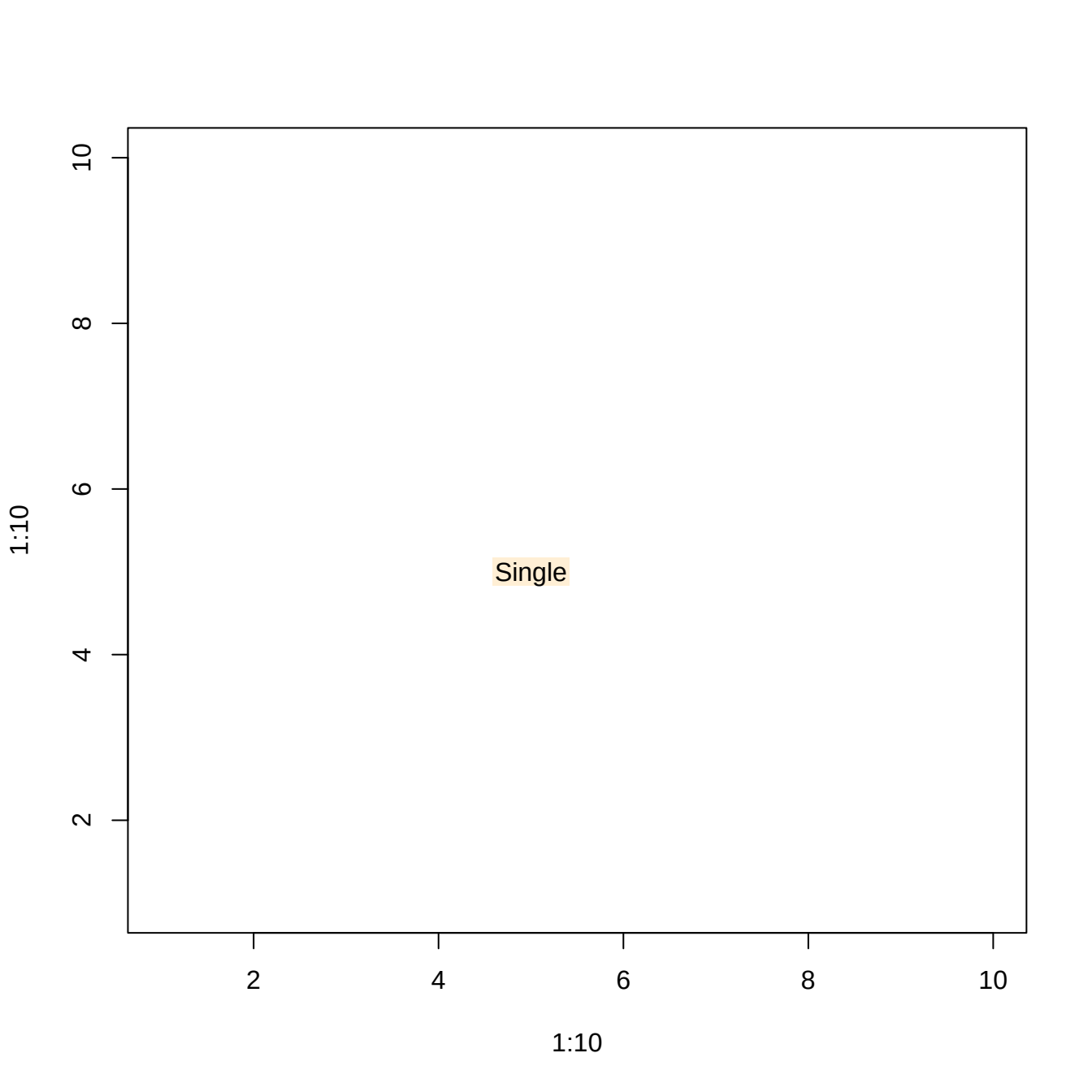

Test
Test
1:10
1:10
2
4
6
8
10
2
4
6
8
10


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


a
b
c
d
2
4
6
8
10
1:10
2
4
6
8
10
1:10


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