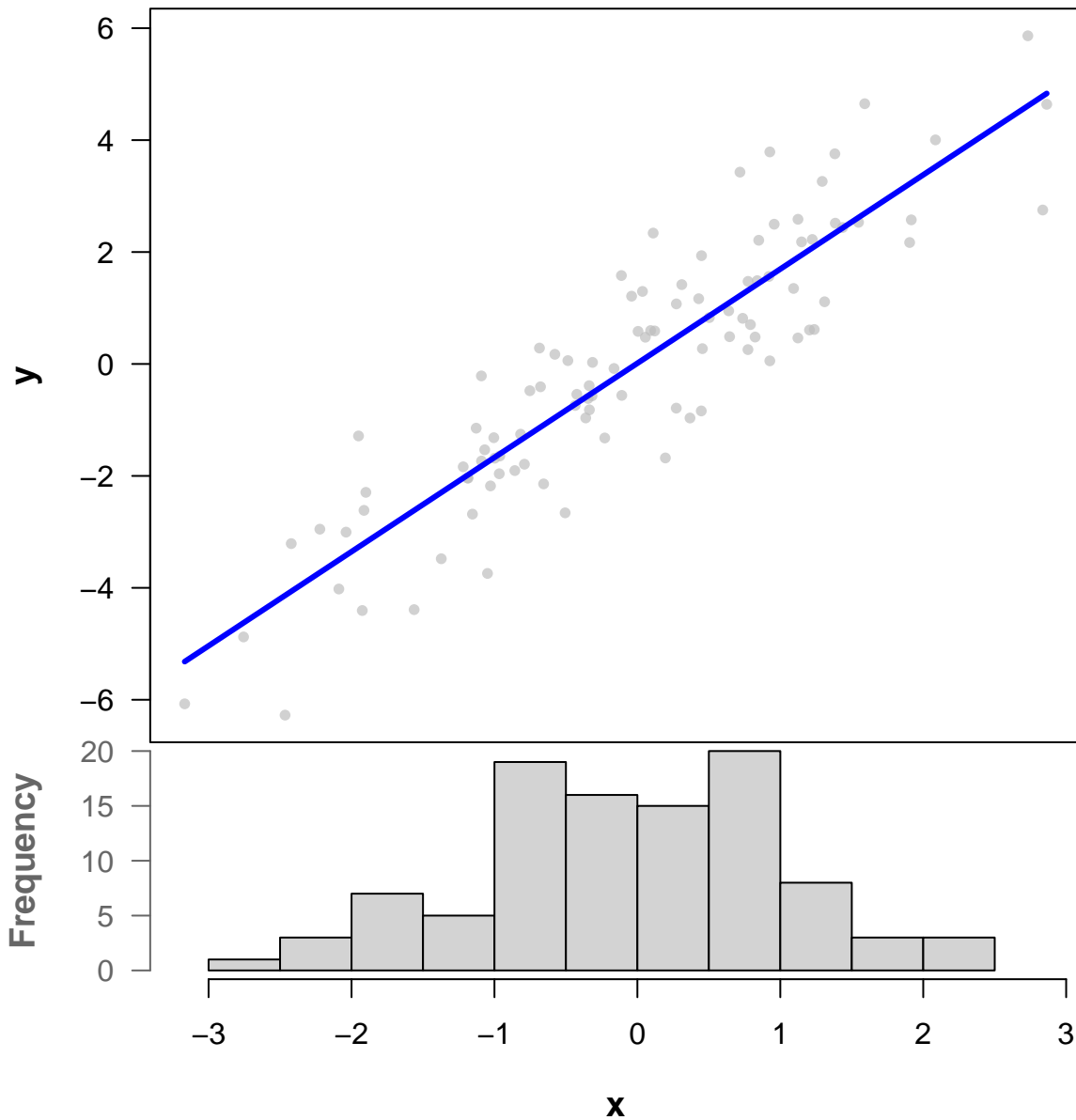
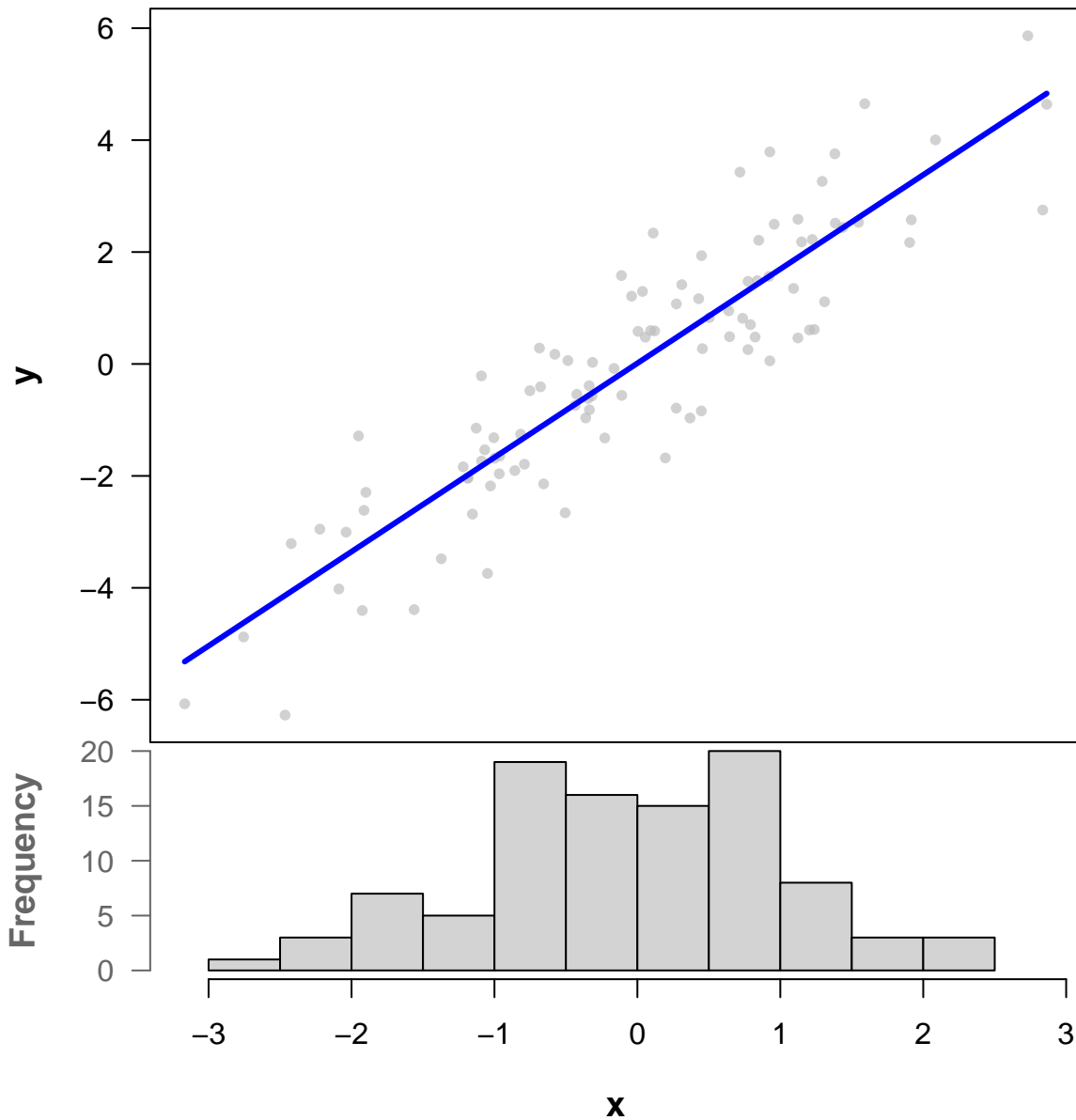


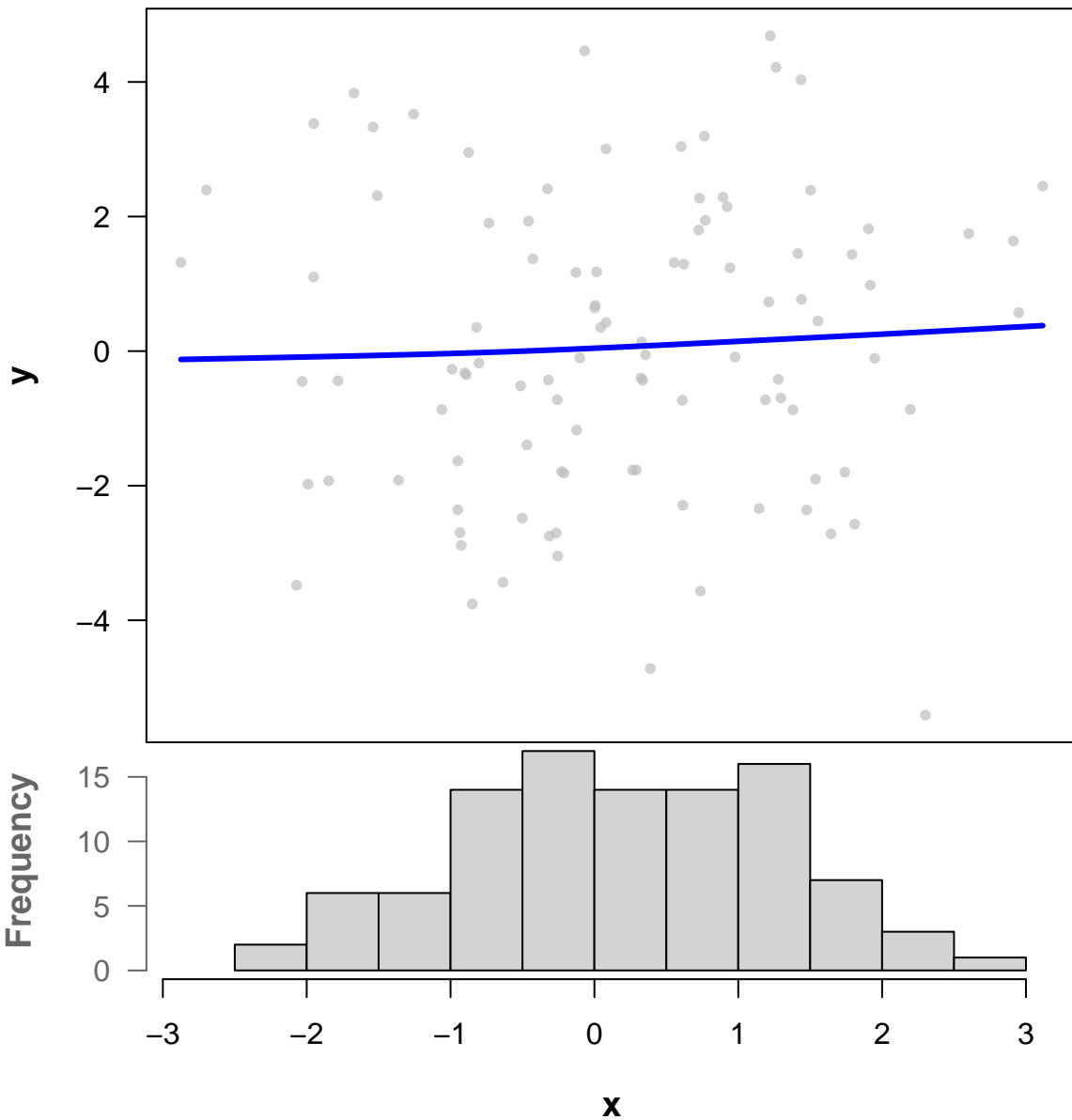
**Scatter GAM – x & y**



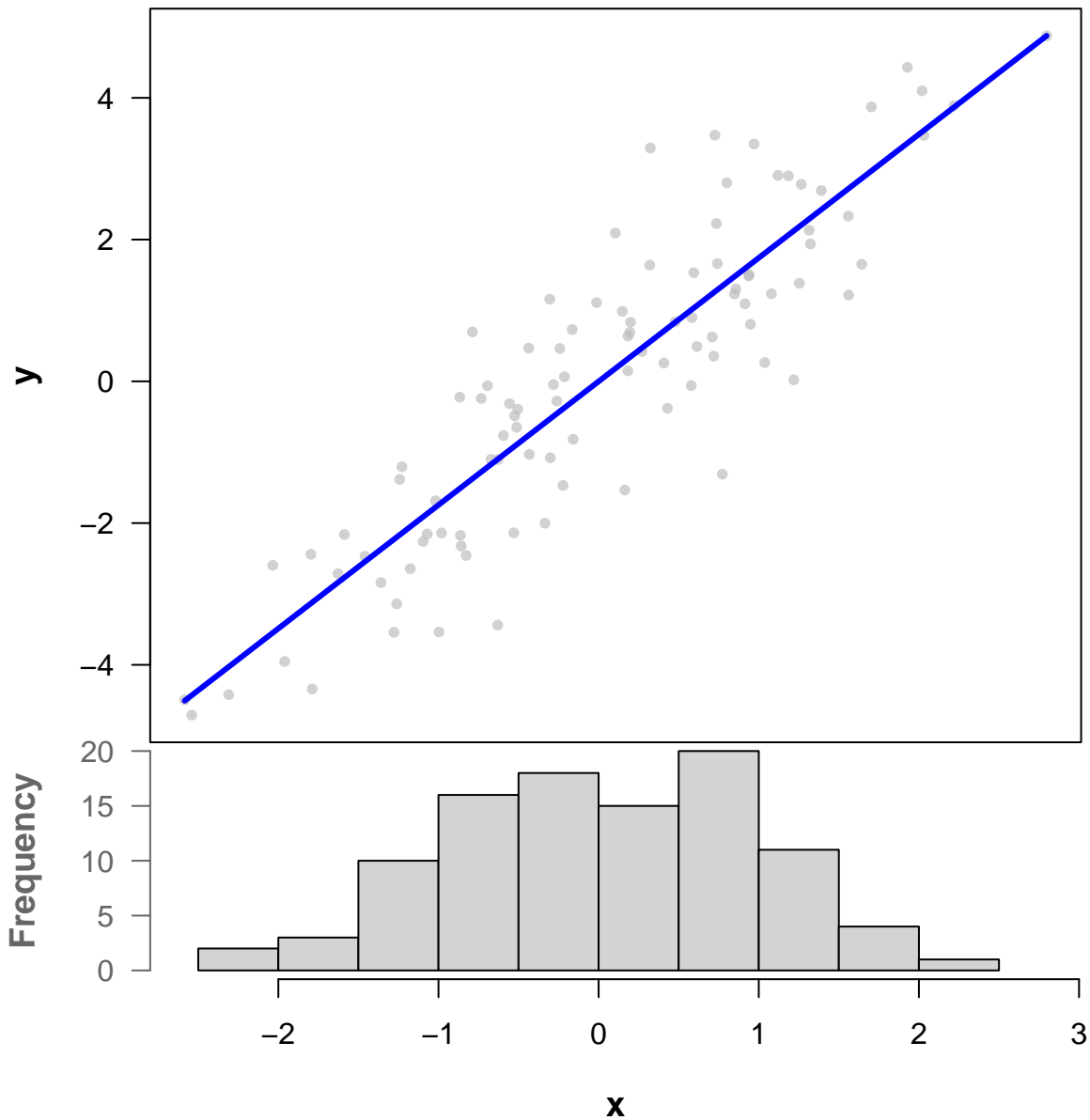
**Scatter GAM – x & y**



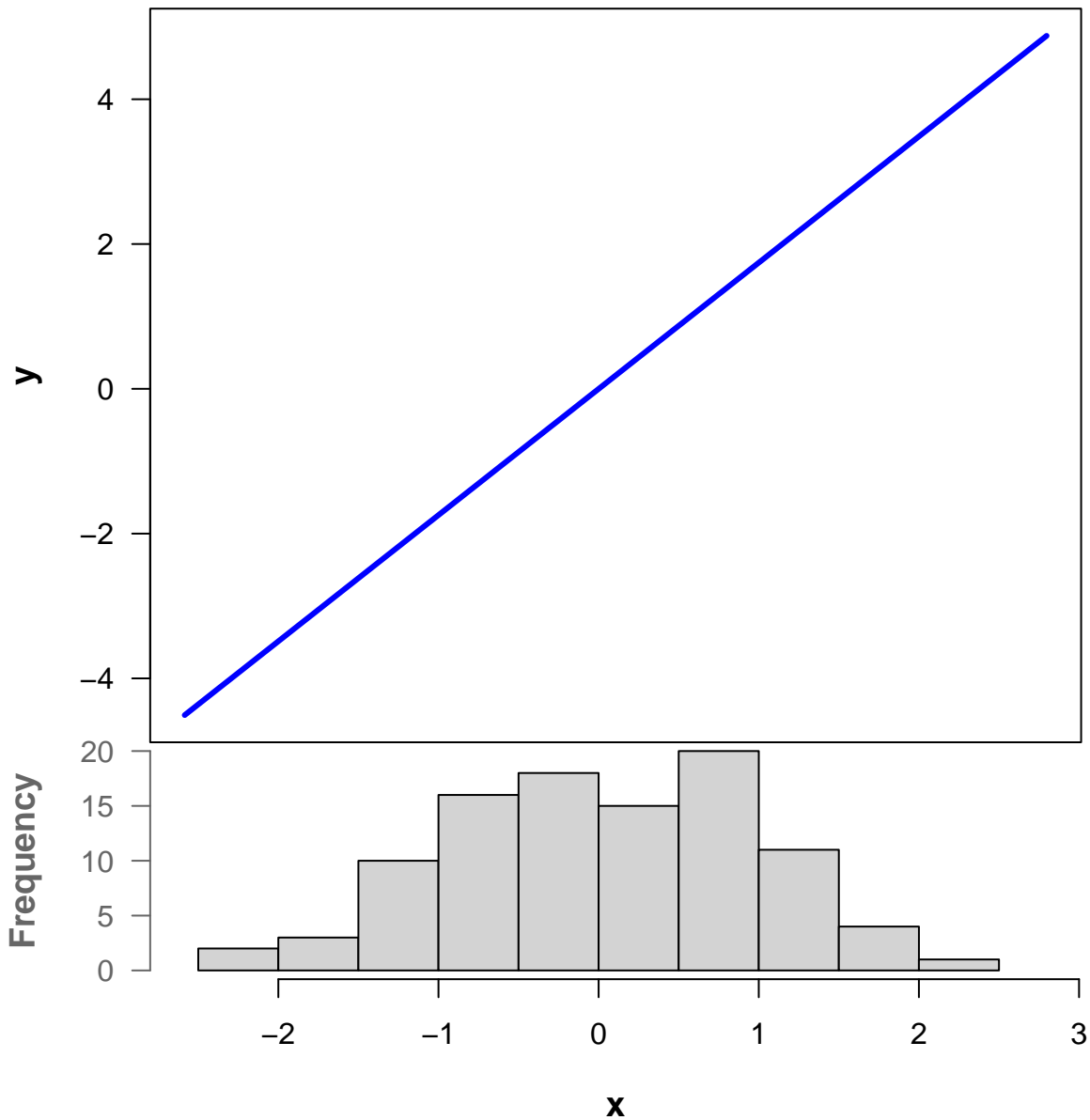
**Scatter GAM – x & y**



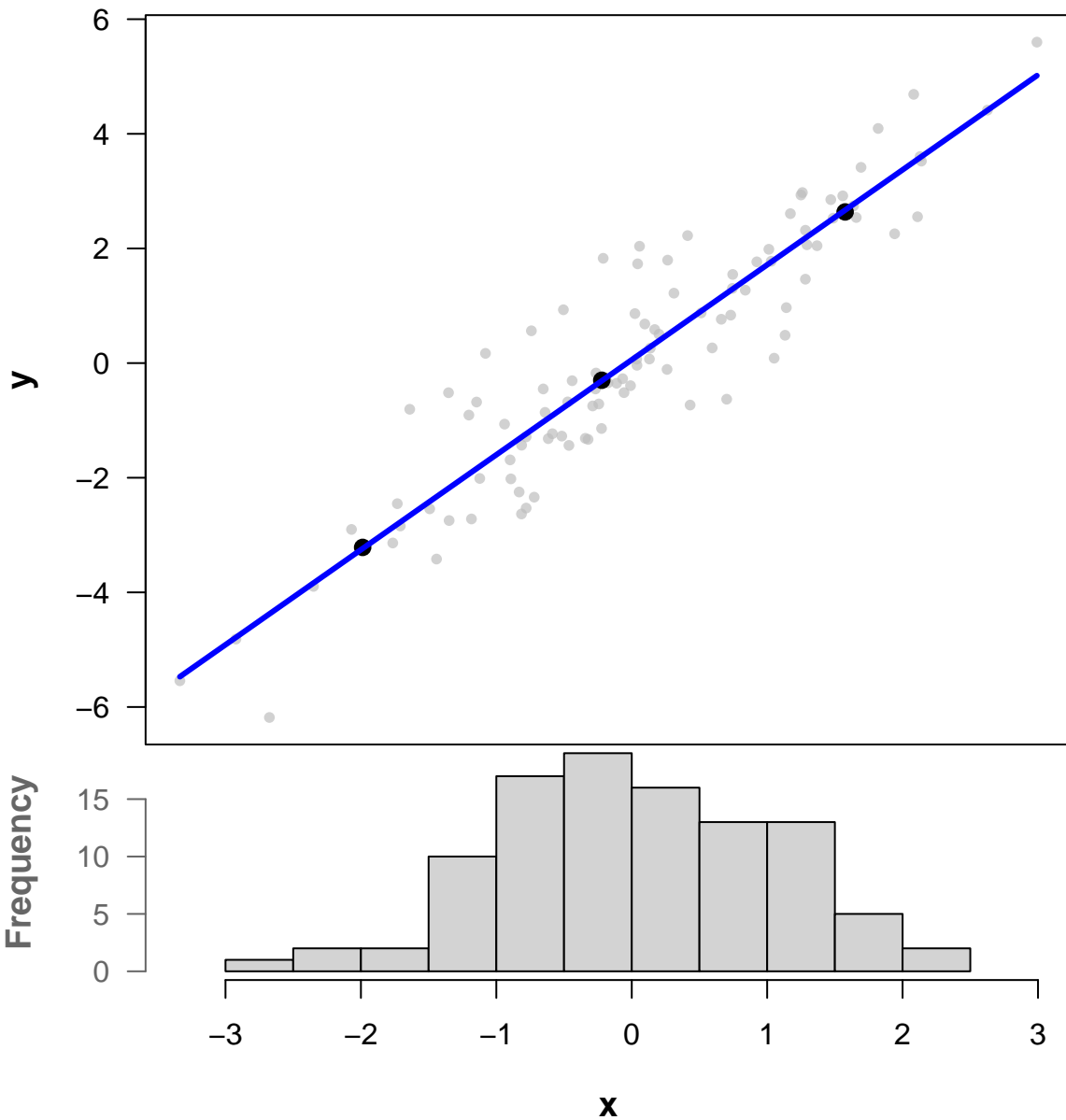
**Scatter GAM – x & y**



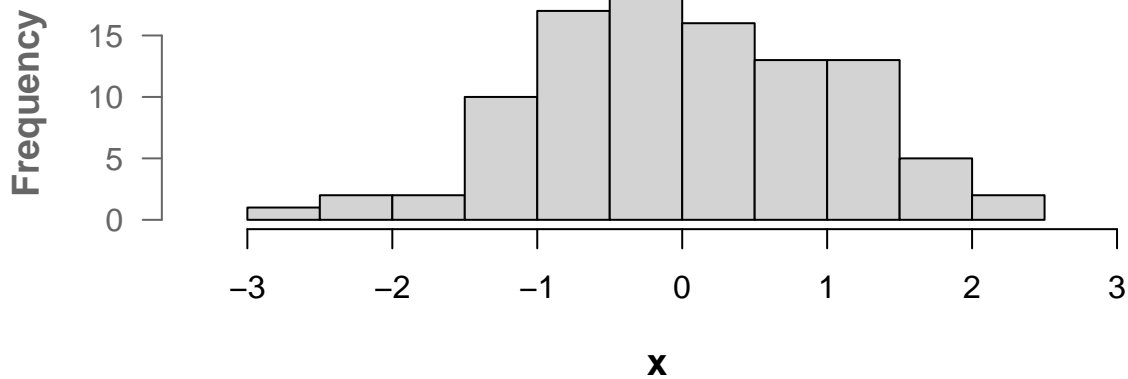
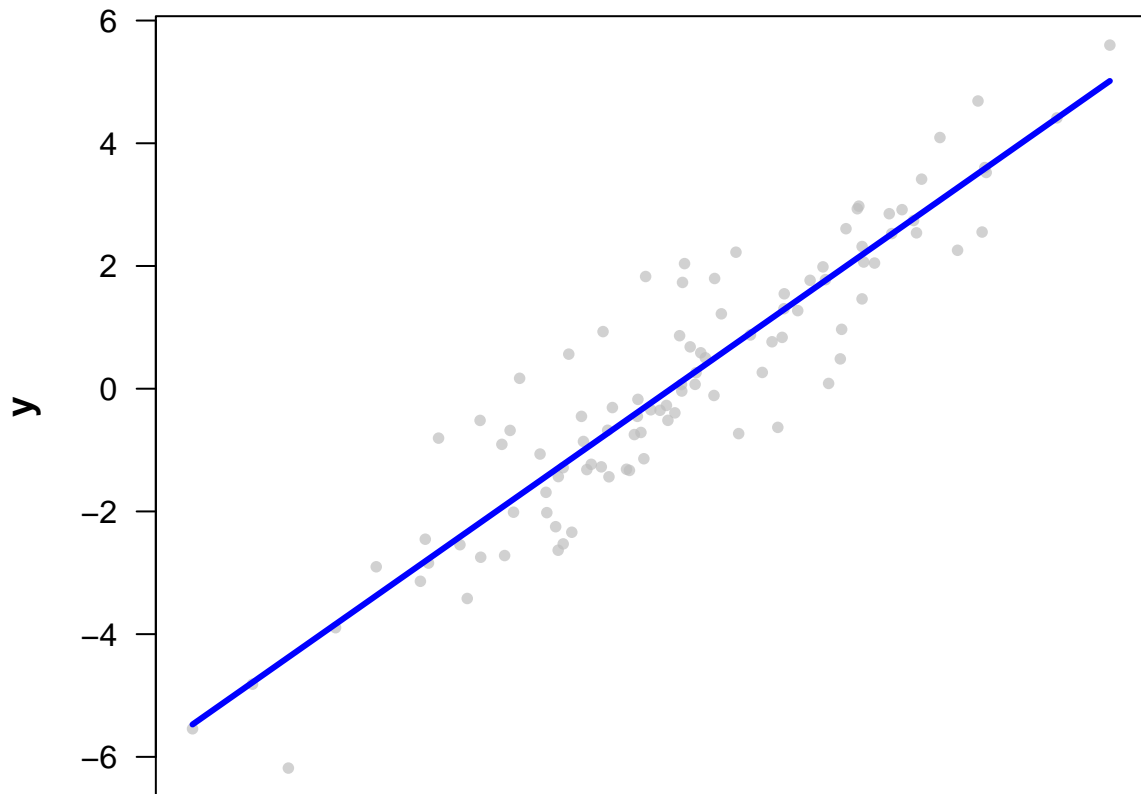
**Scatter GAM – x & y**



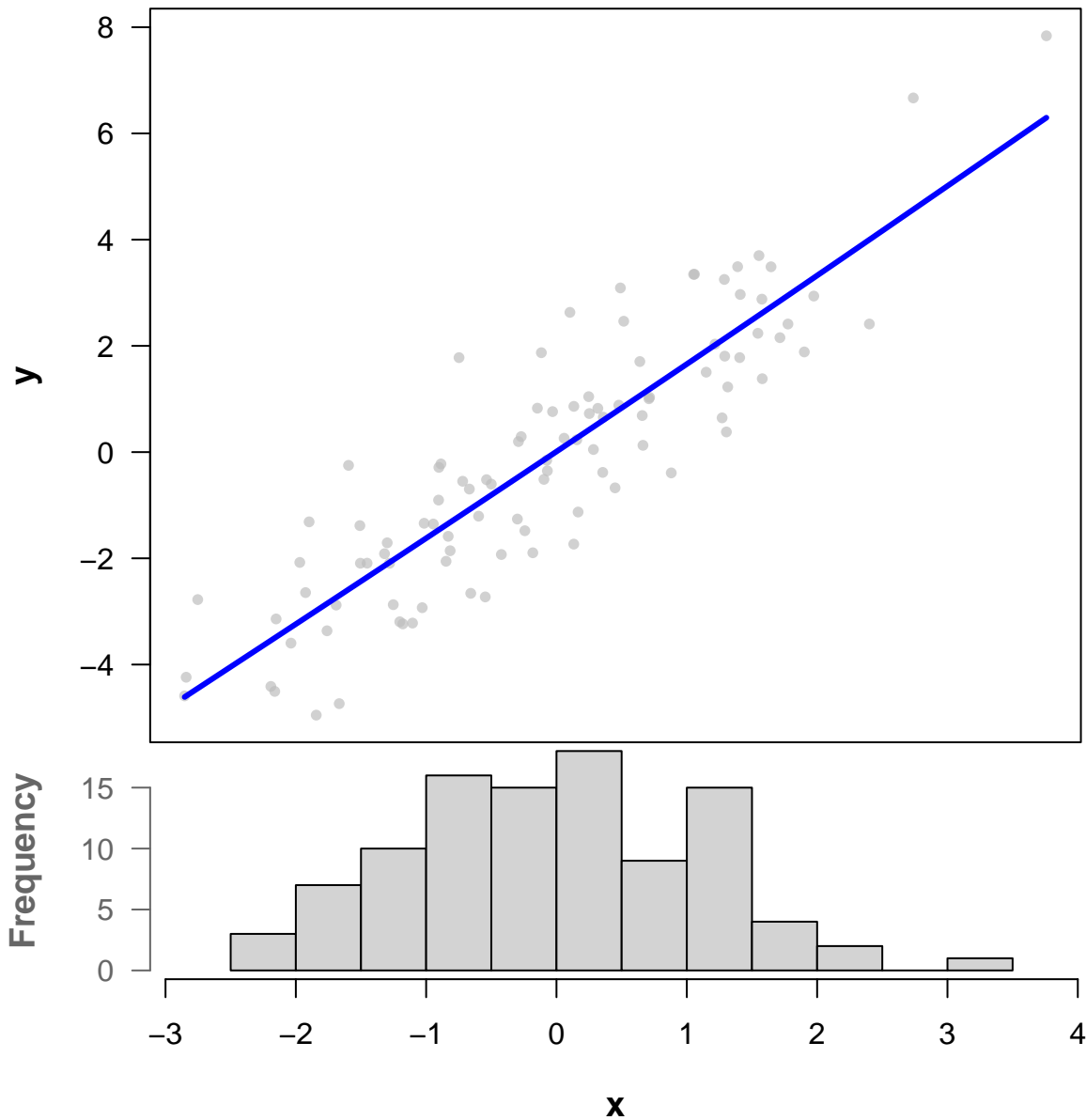
**Scatter GAM – x & y**



**Scatter GAM – x & y**

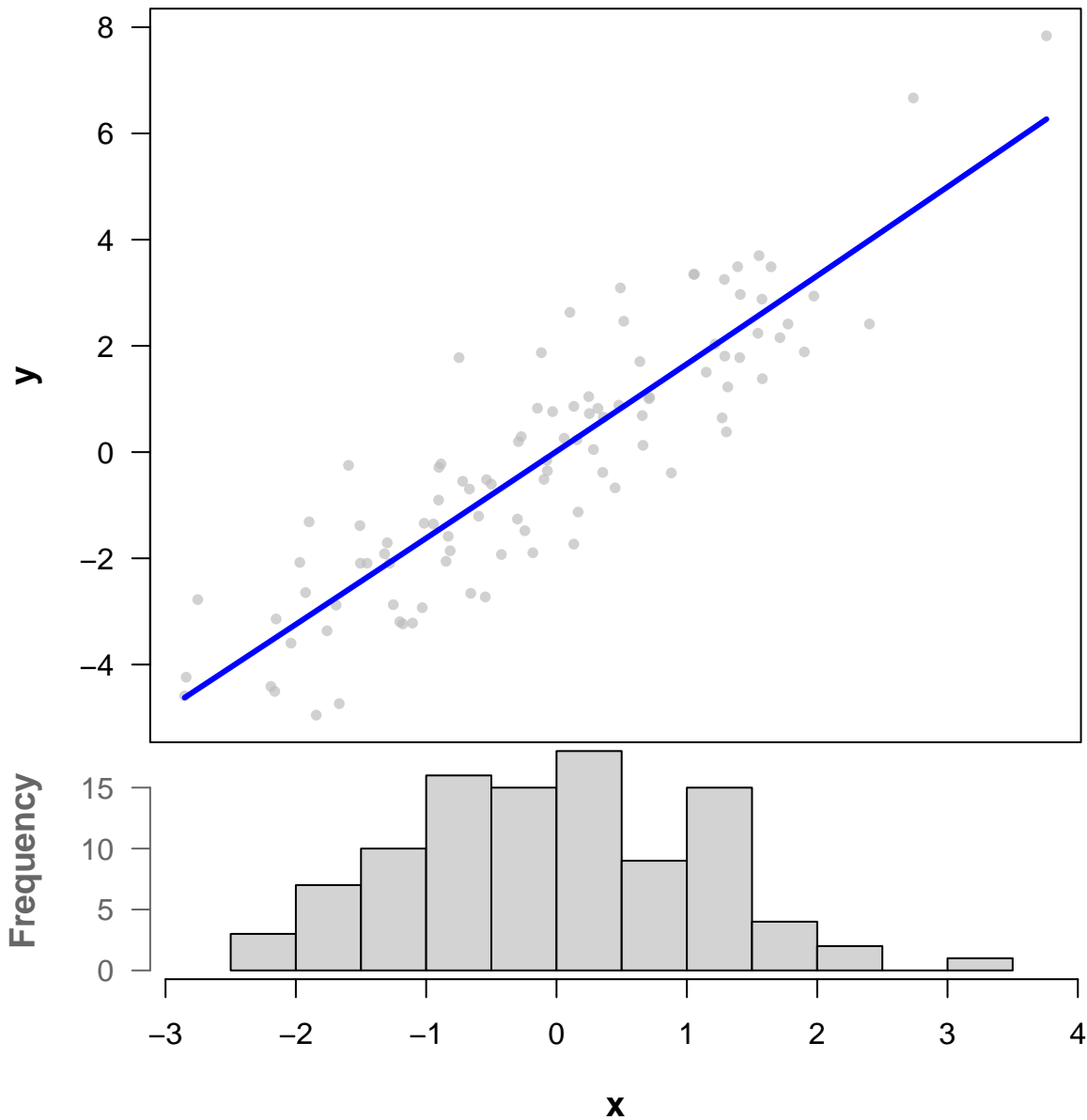


**Scatter GAM – x & y**



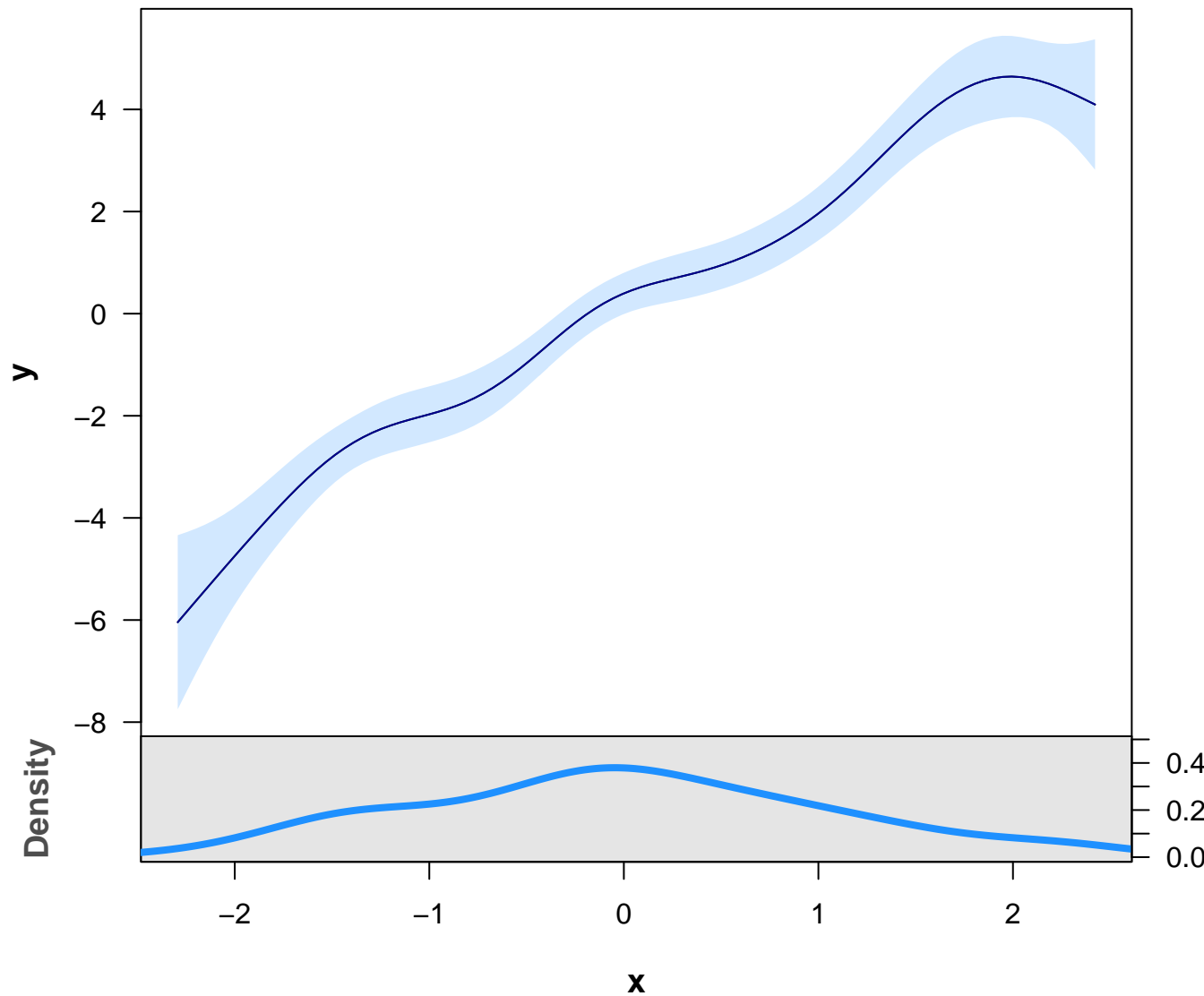


**Scatter GAM – x & y**



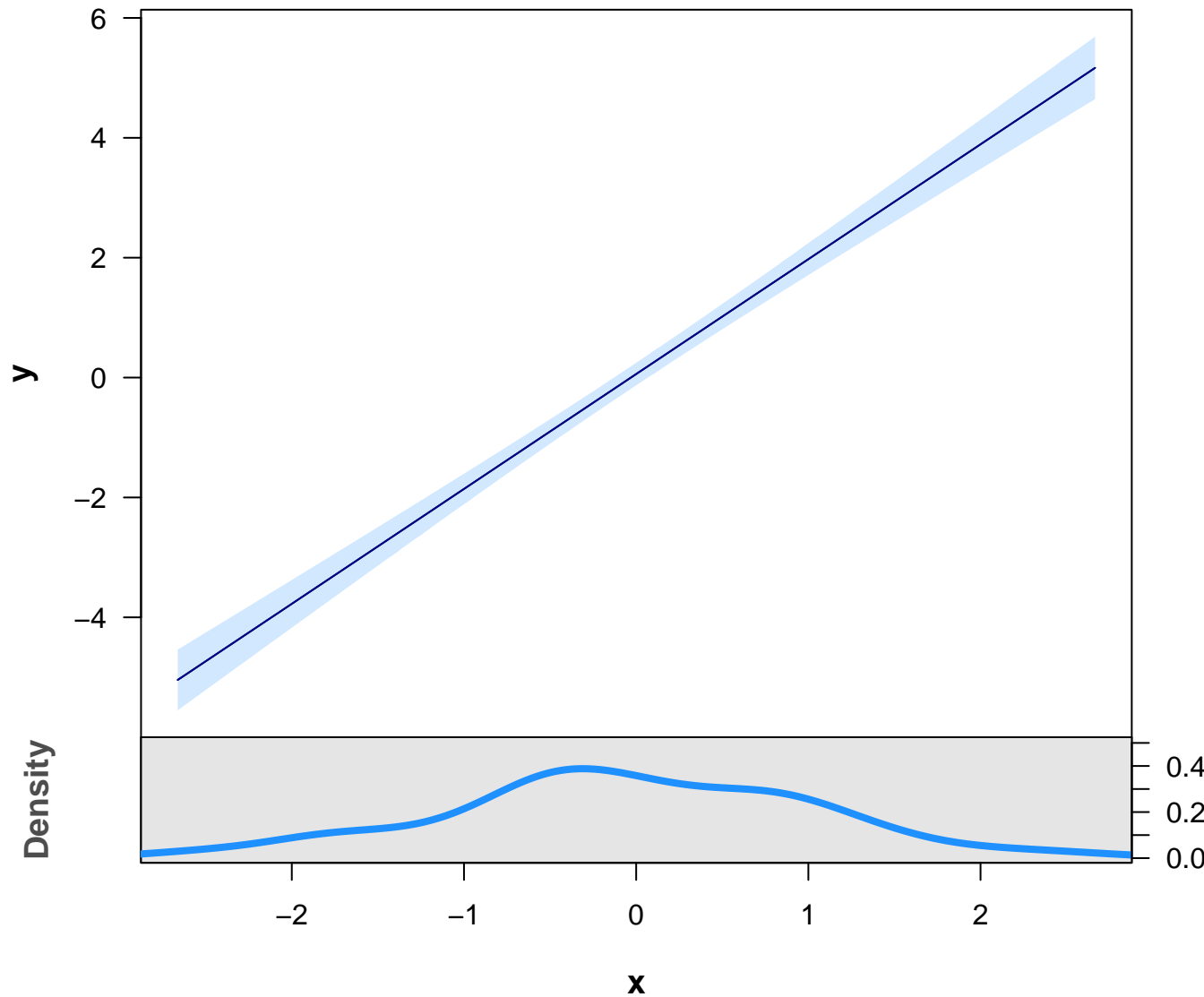
# GAM Predicting 'y' with 'x'

$$y \sim s(x)$$



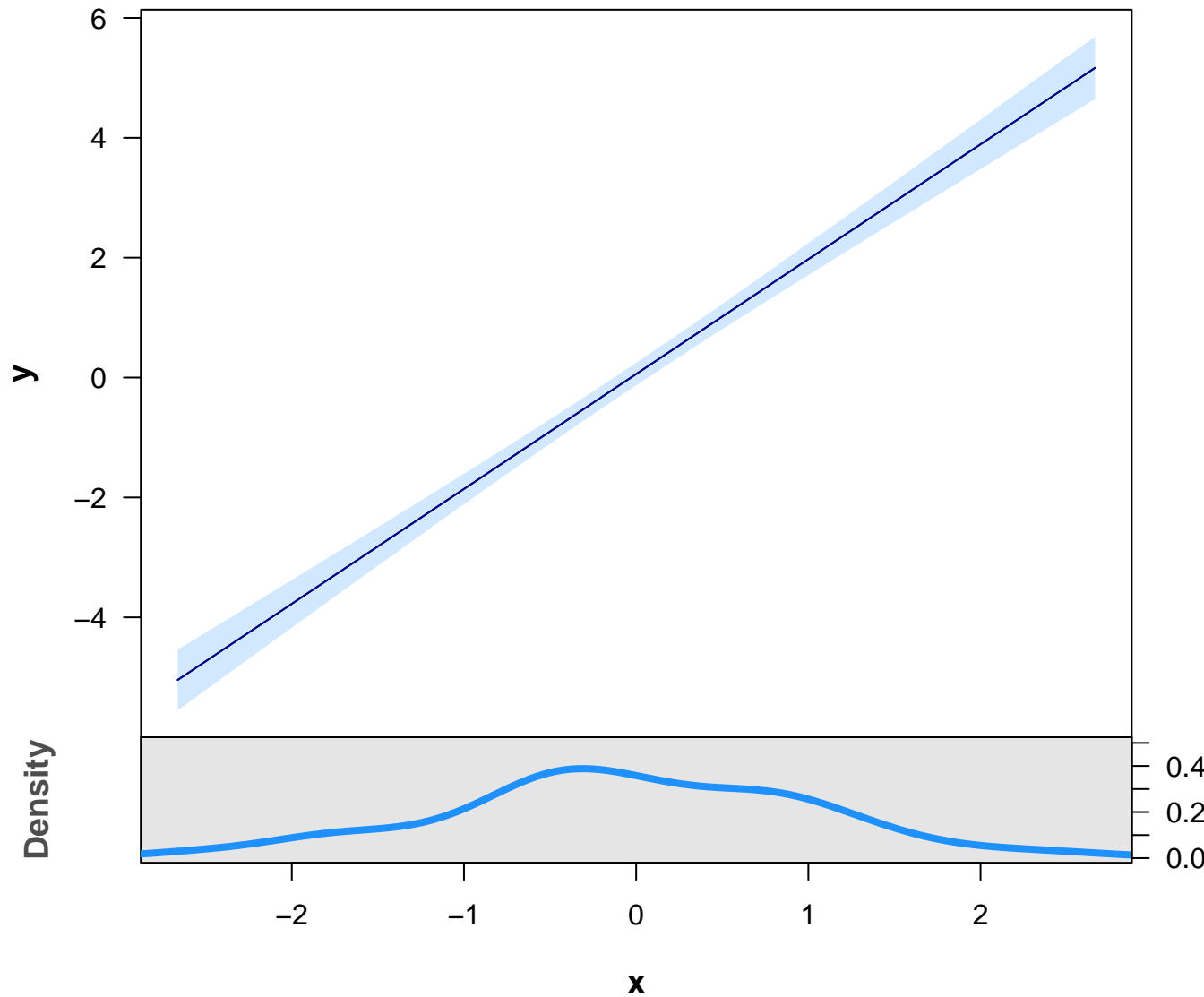
# GAM Predicting 'y' with 'x'

$$y \sim s(x)$$



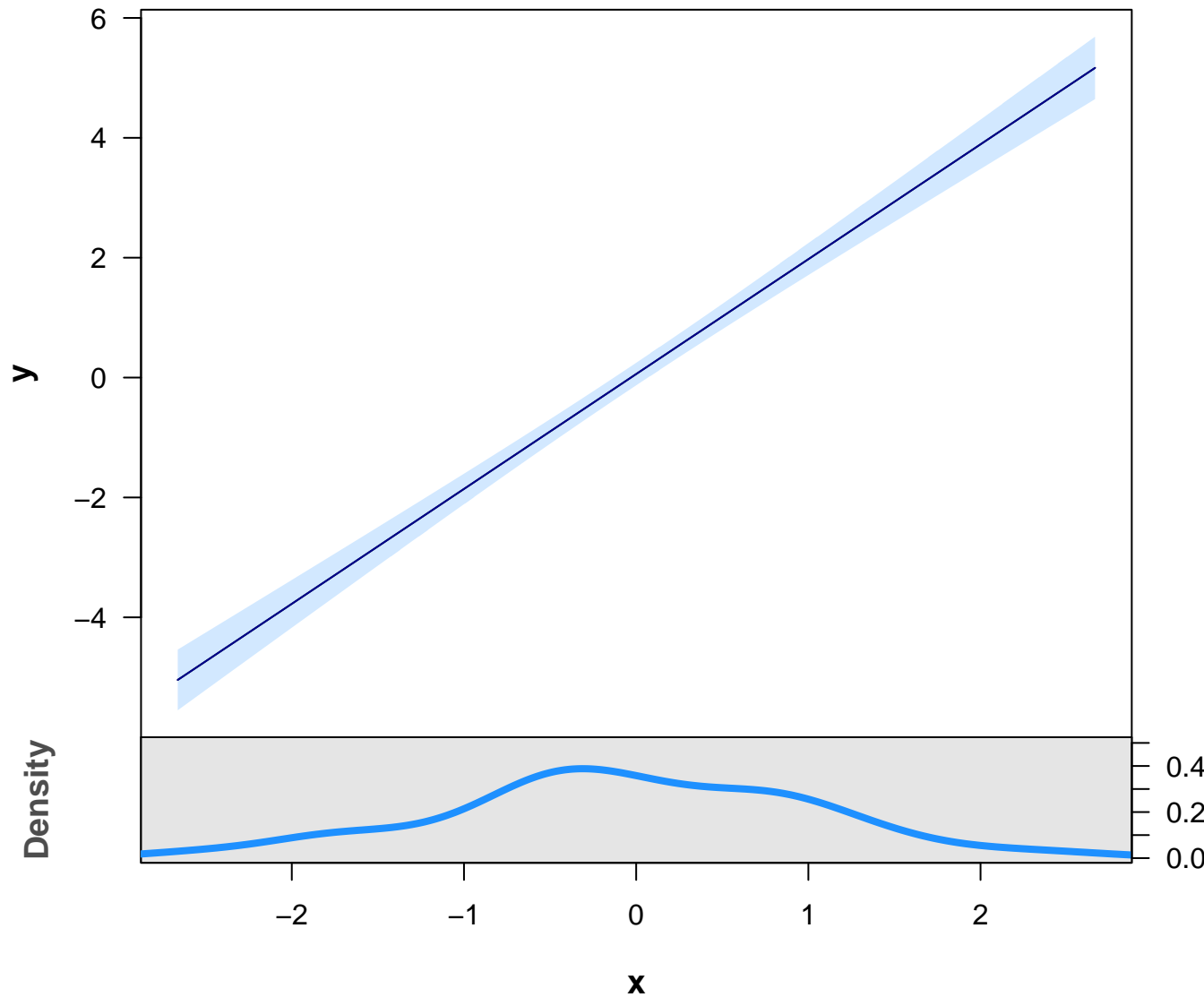
# GAM Predicting 'y' with 'x'

$$y \sim s(x)$$



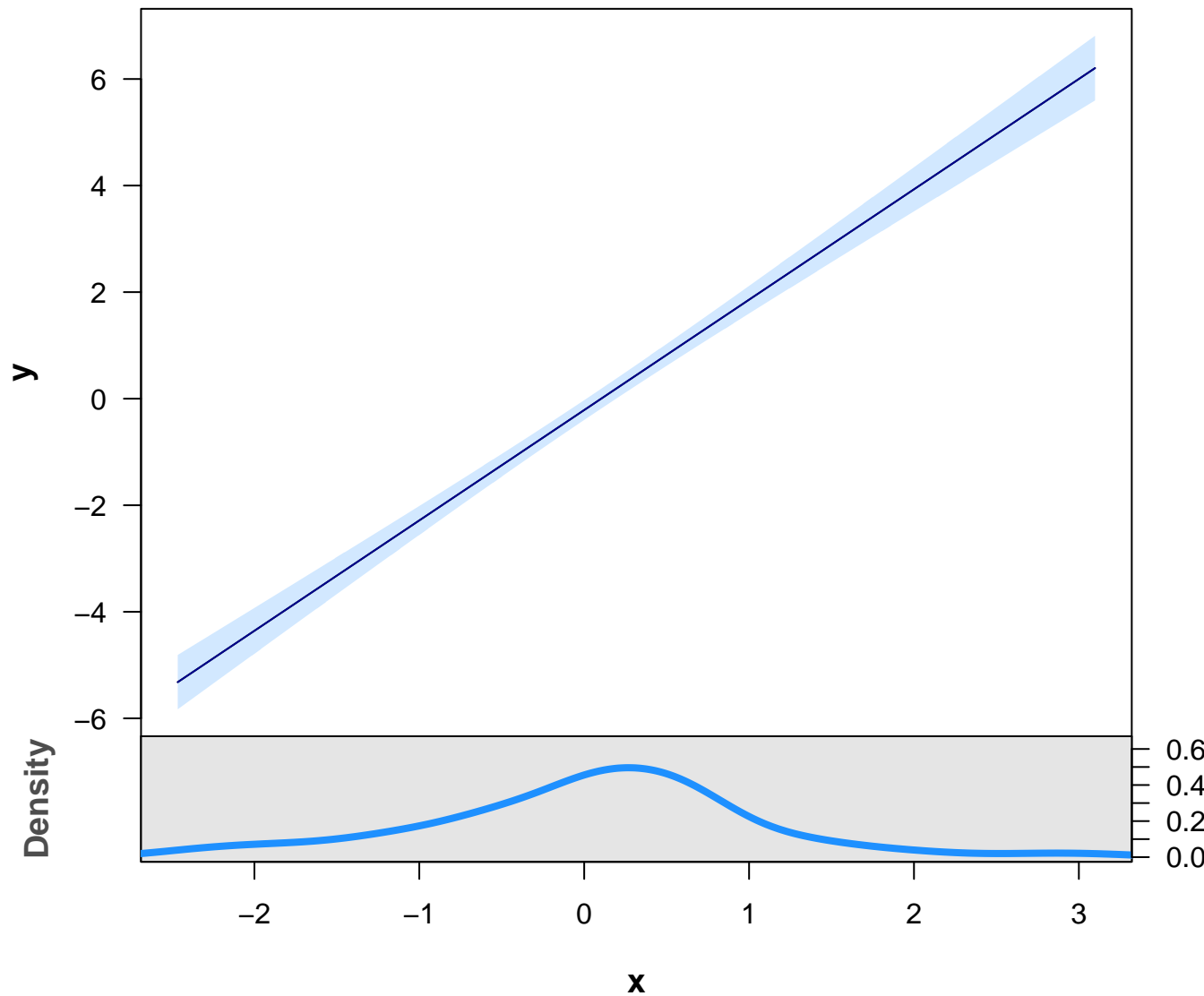
# GAM Predicting 'y' with 'x'

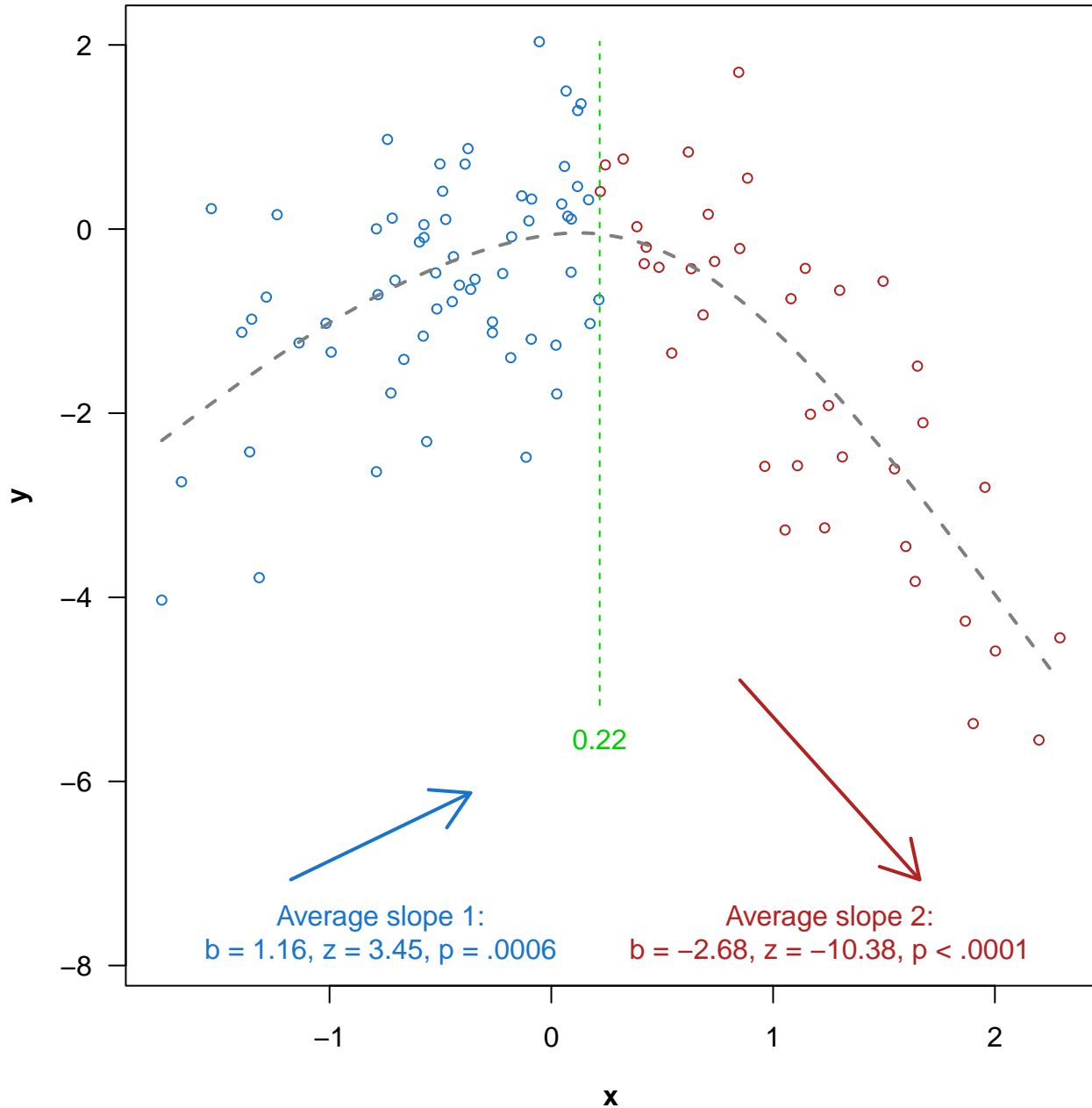
$$y \sim s(x)$$



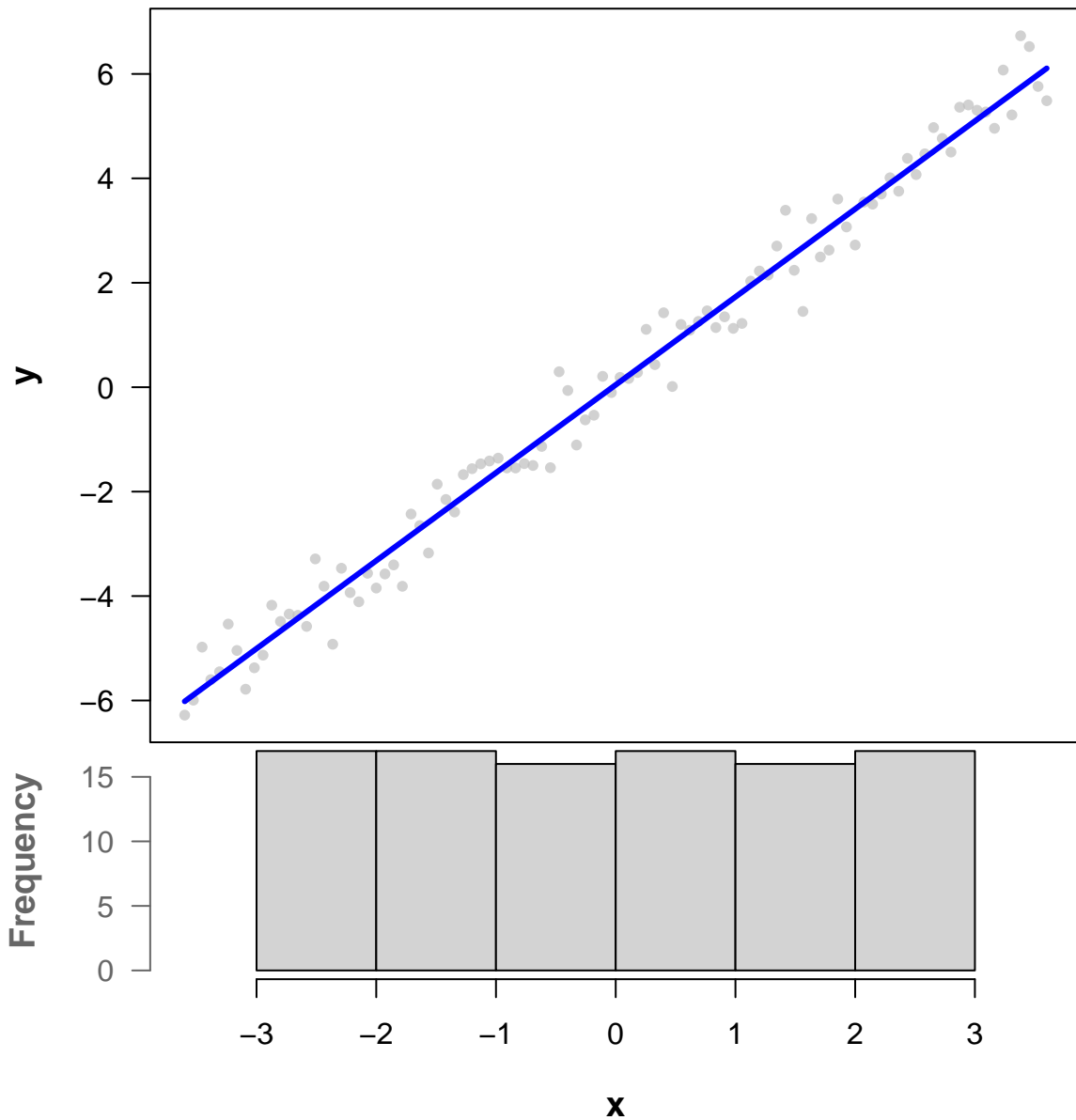
# GAM Predicting 'y' with 'x'

$$y \sim s(x)$$





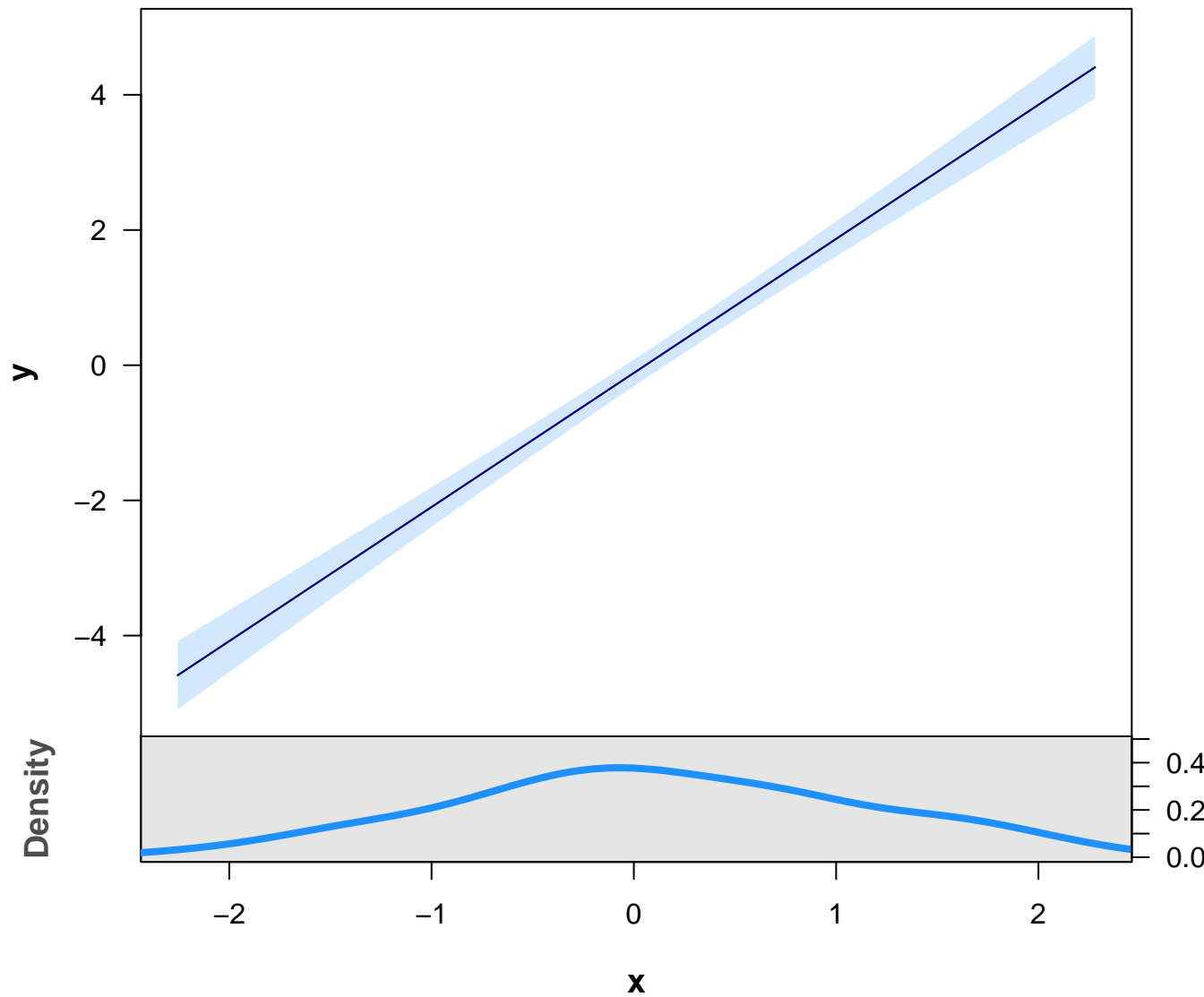
**Scatter GAM – x & y**





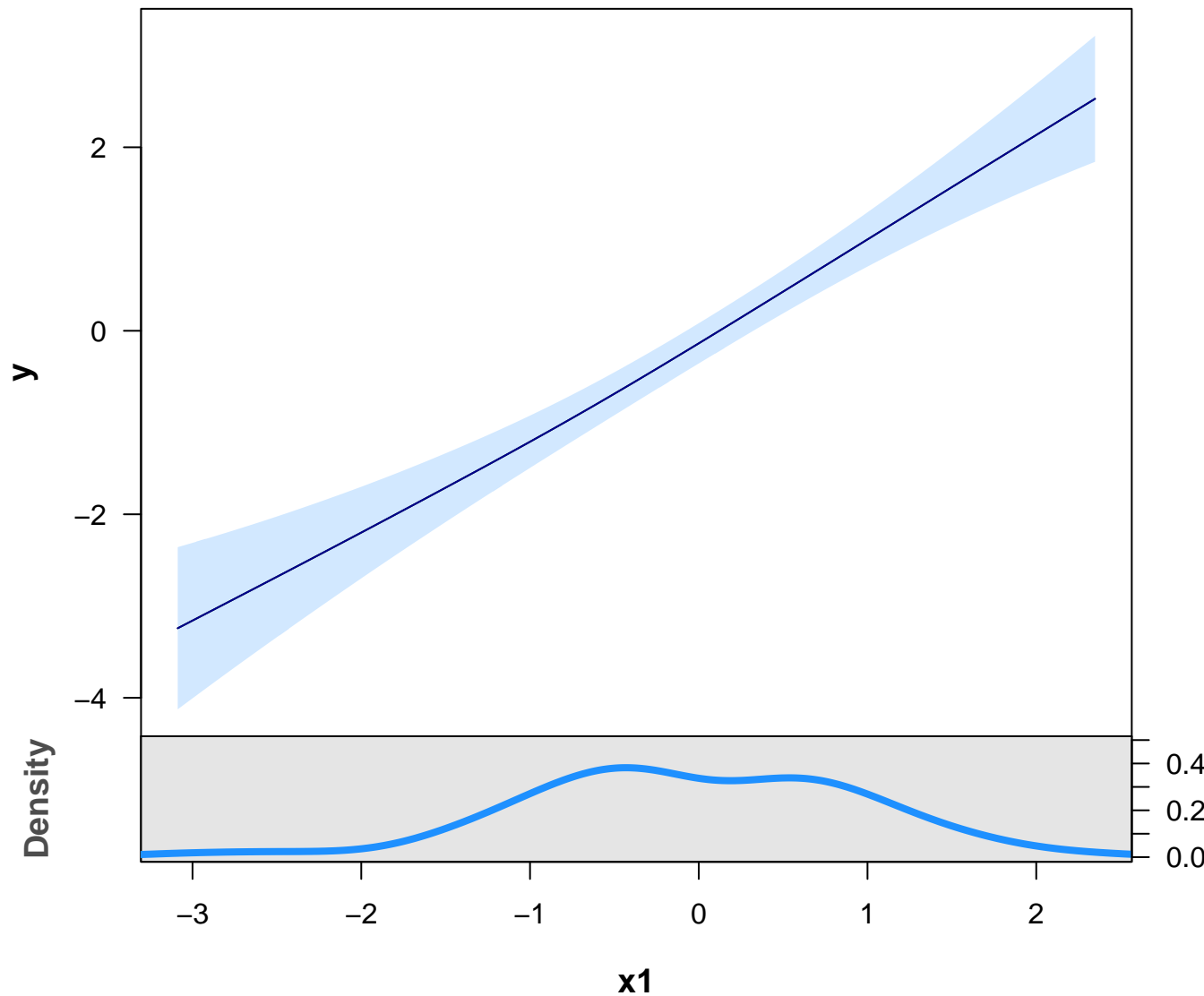
# GAM Predicting 'y' with 'x'

$$y \sim s(x)$$



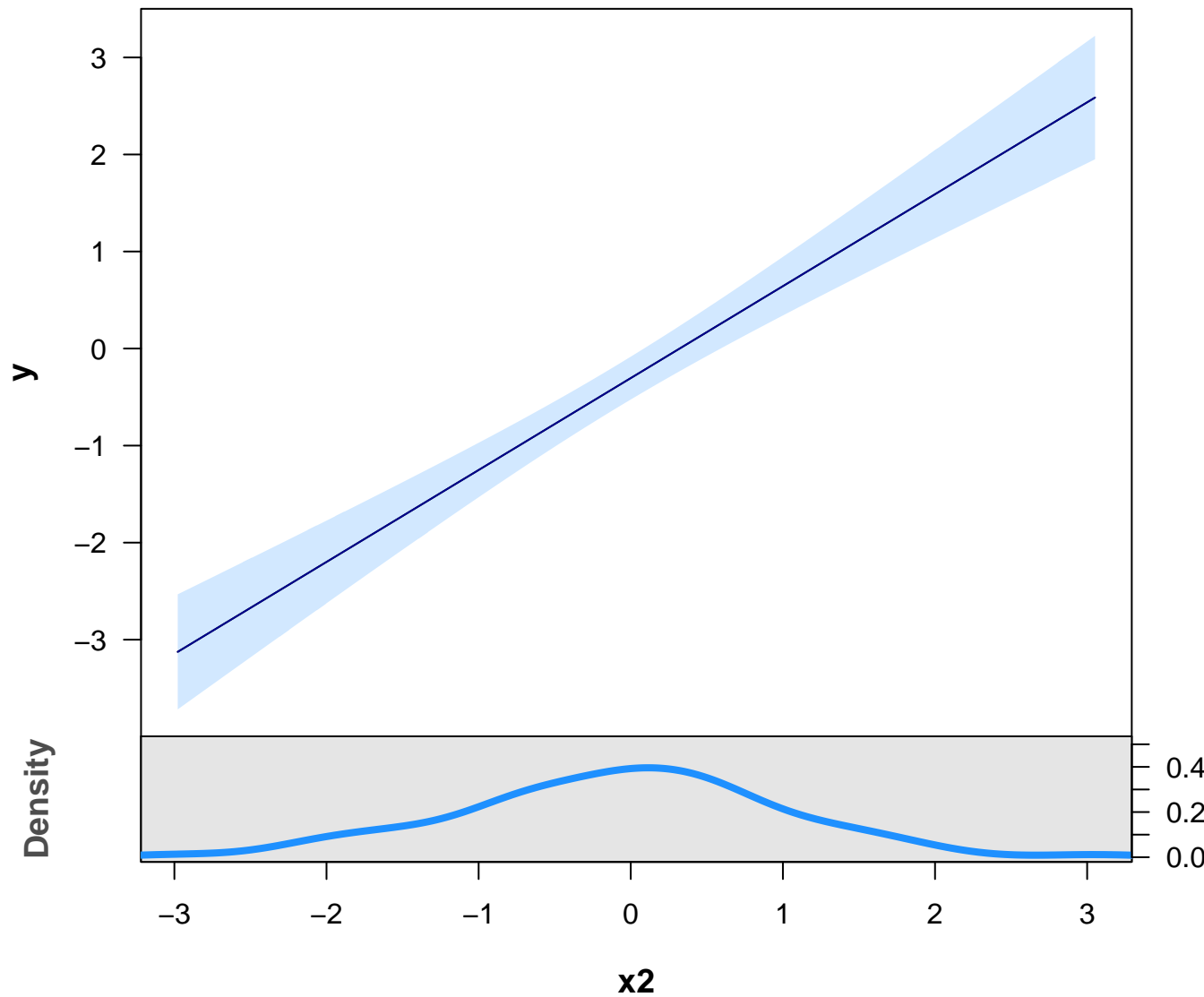
# GAM Predicting 'y' with 'x1'

$$y \sim s(x1) + s(x2)$$

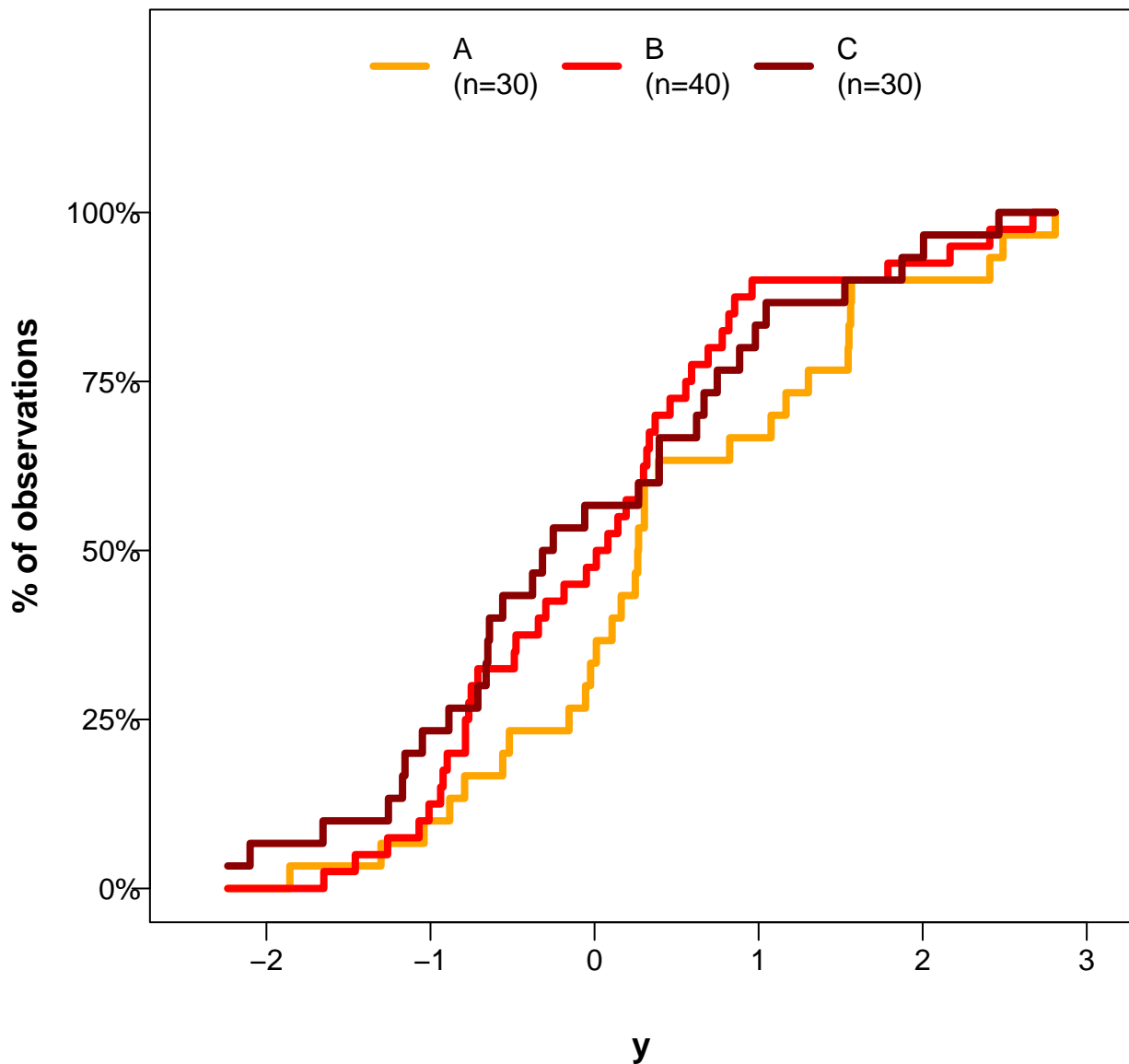


# GAM Predicting 'y' with 'x2'

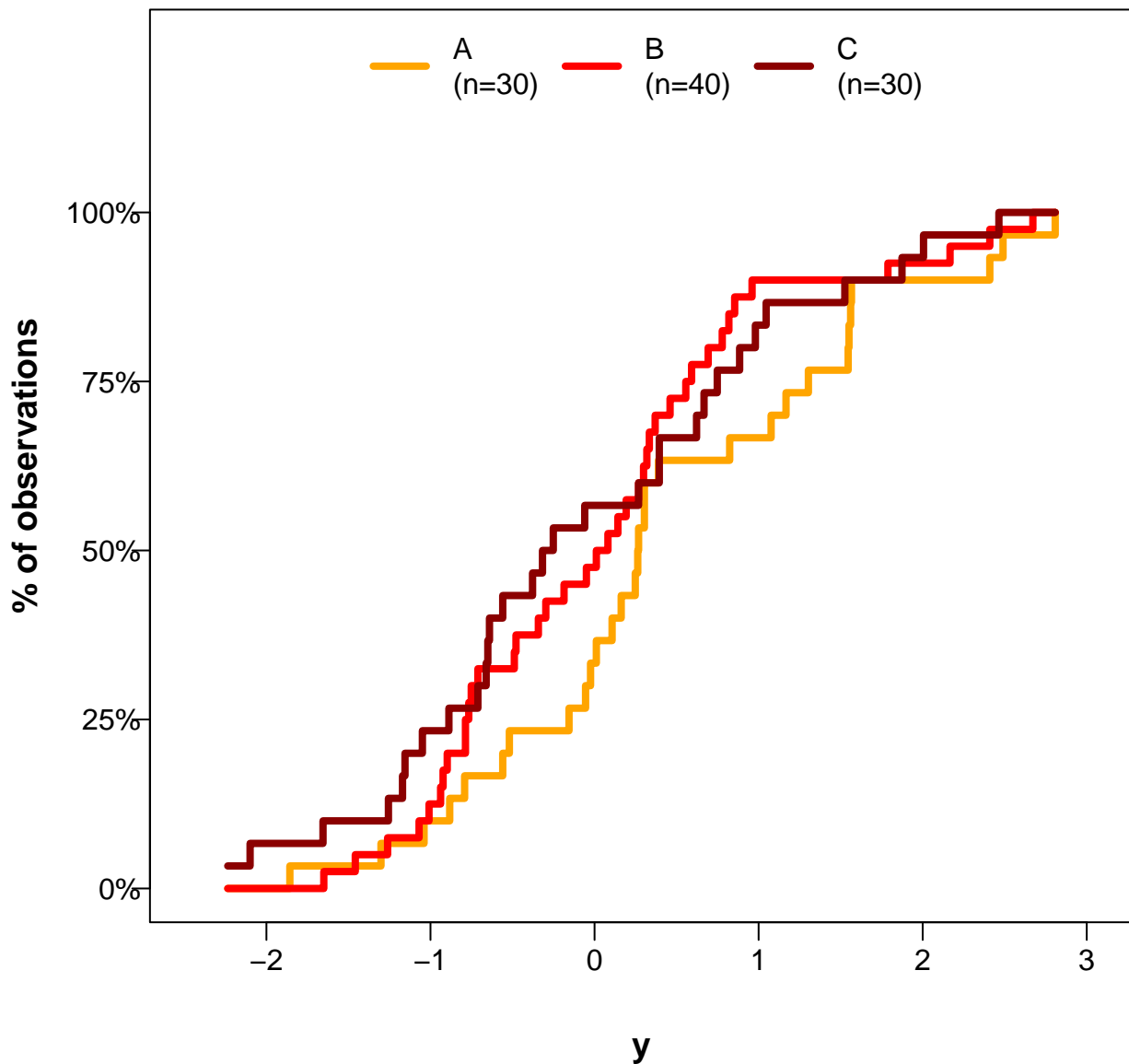
$$y \sim s(x1) + s(x2)$$



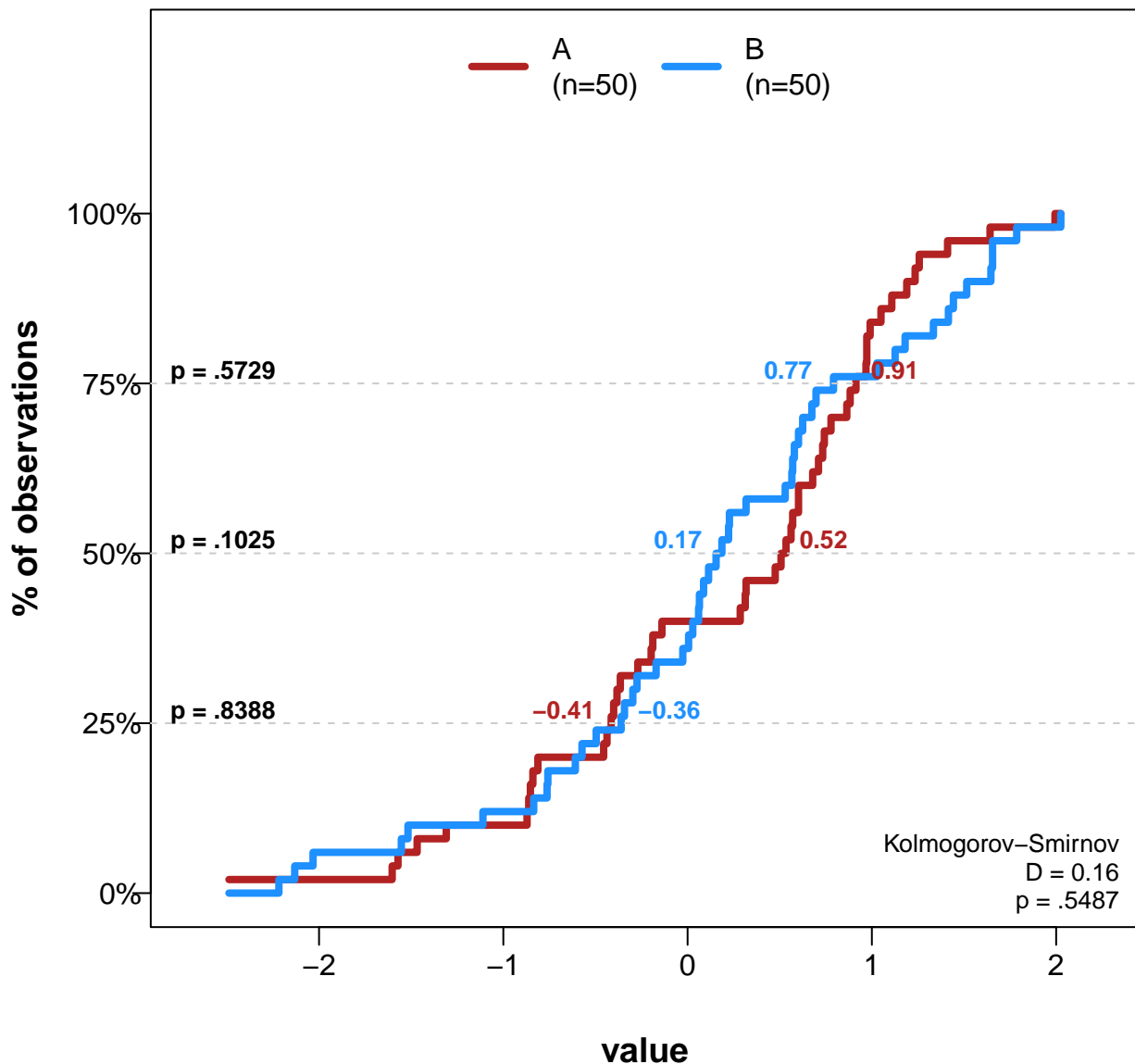
# Comparing Distribution of 'y' by 'group'



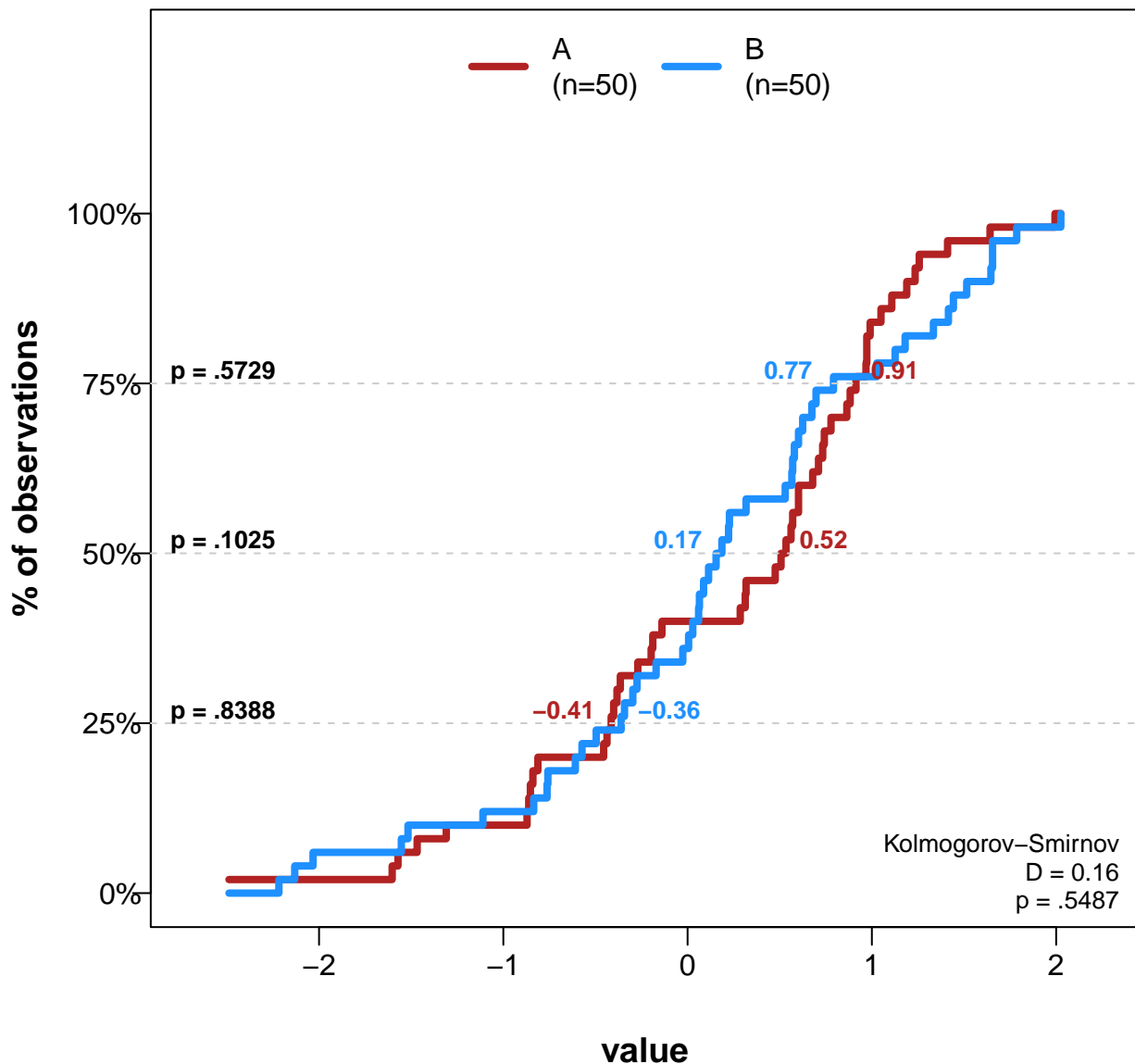
# Comparing Distribution of 'y' by 'group'



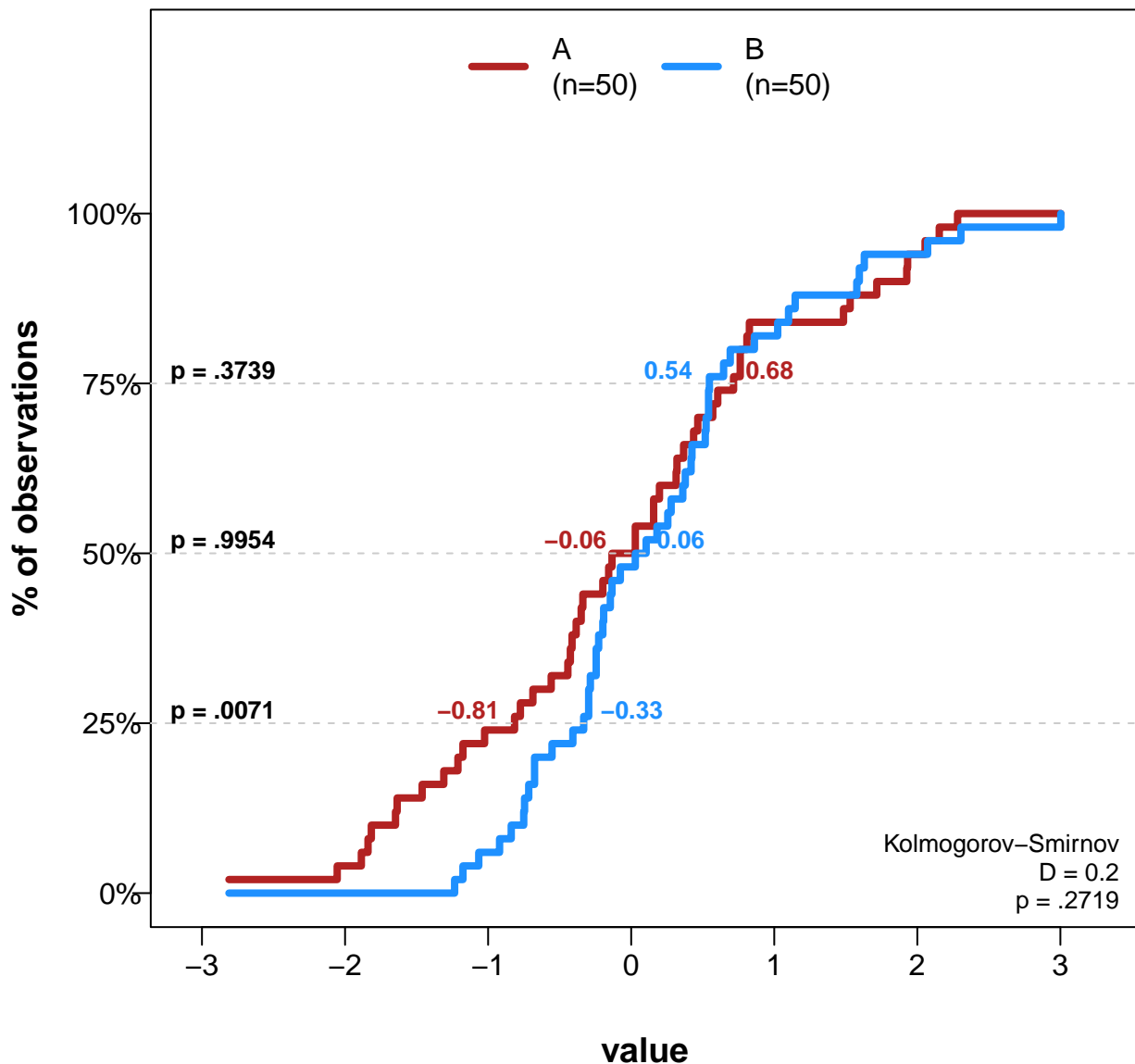
# Comparing Distribution of 'value' by 'group'



# Comparing Distribution of 'value' by 'group'

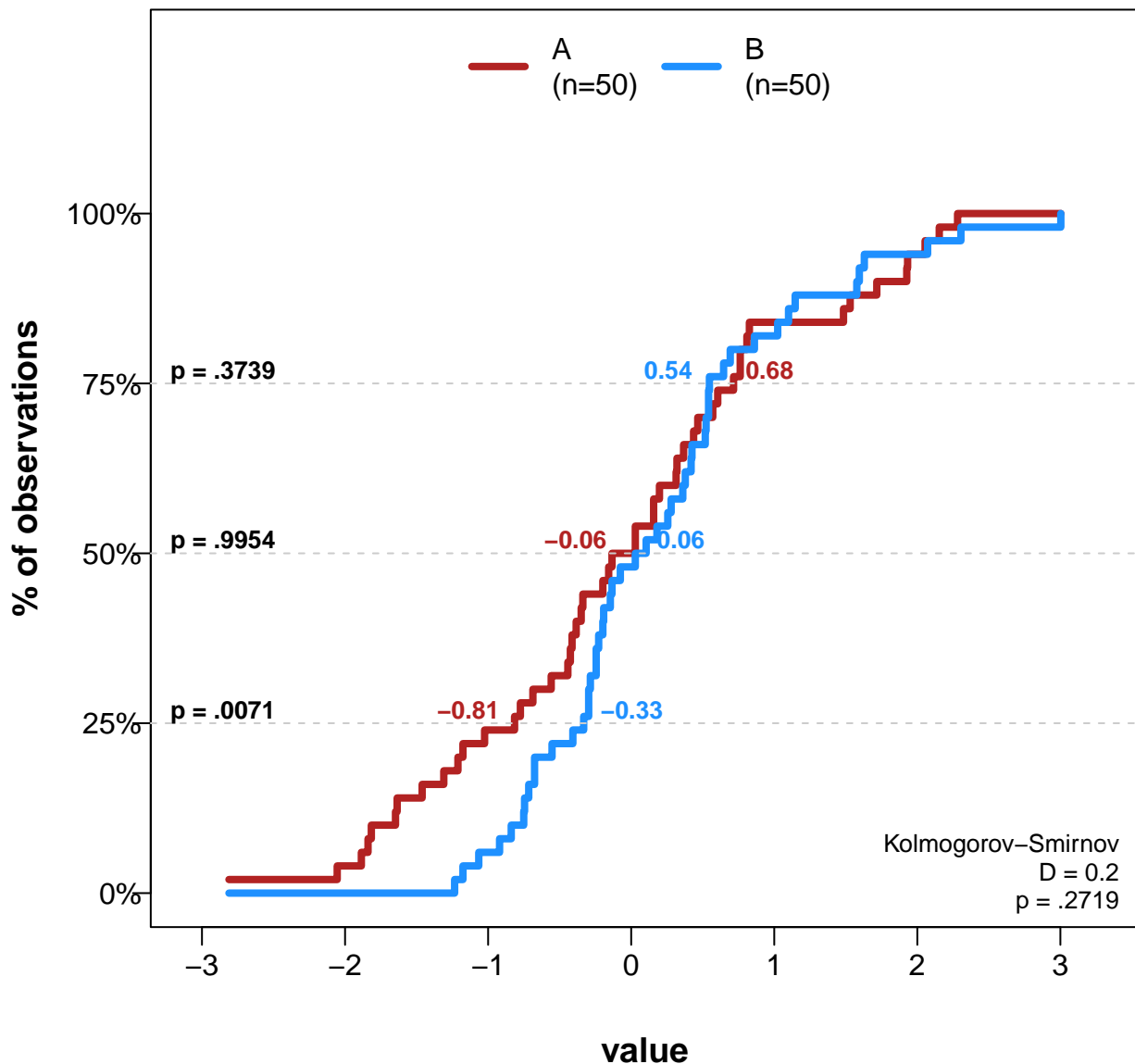


# Comparing Distribution of 'value' by 'group'

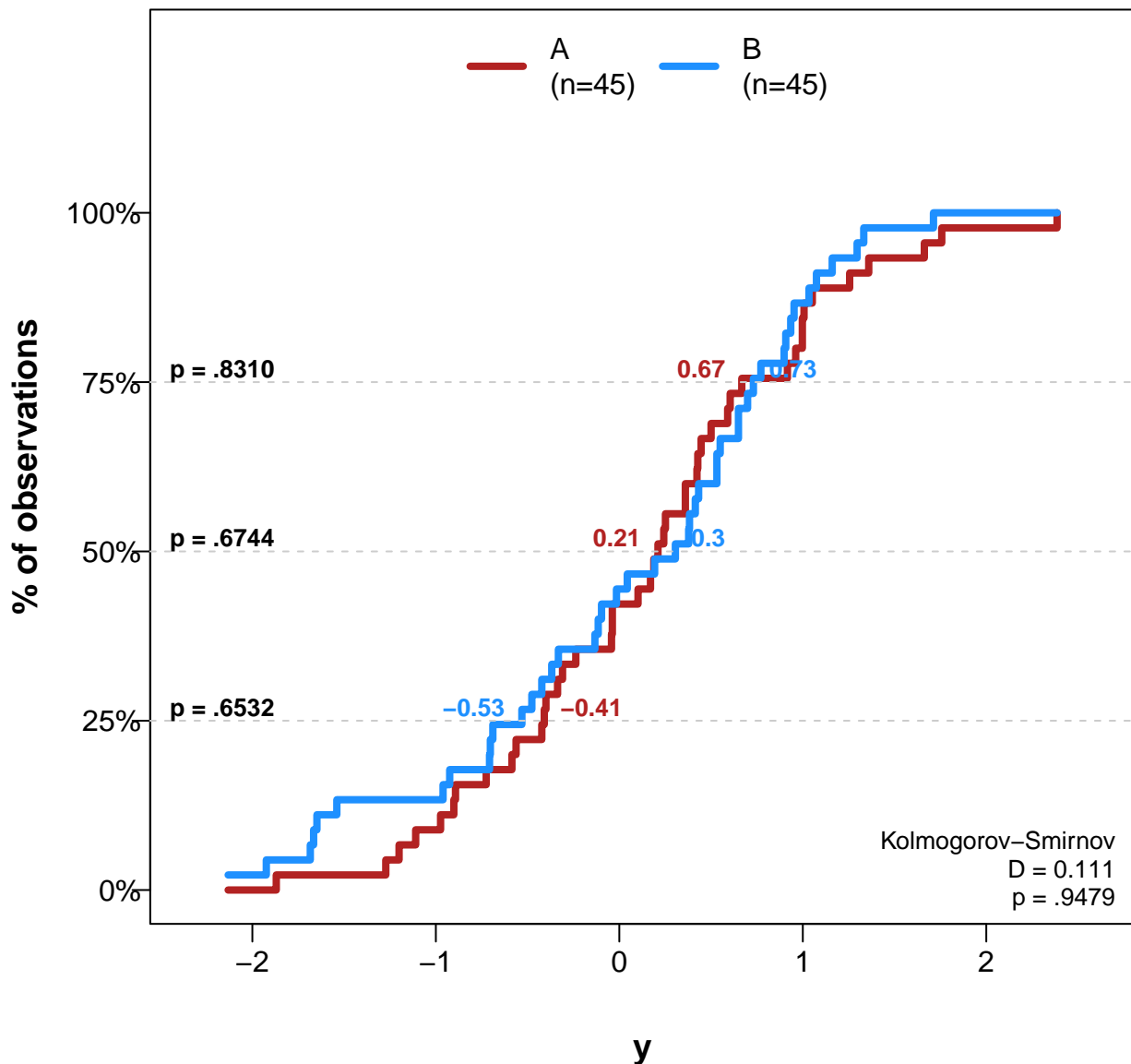




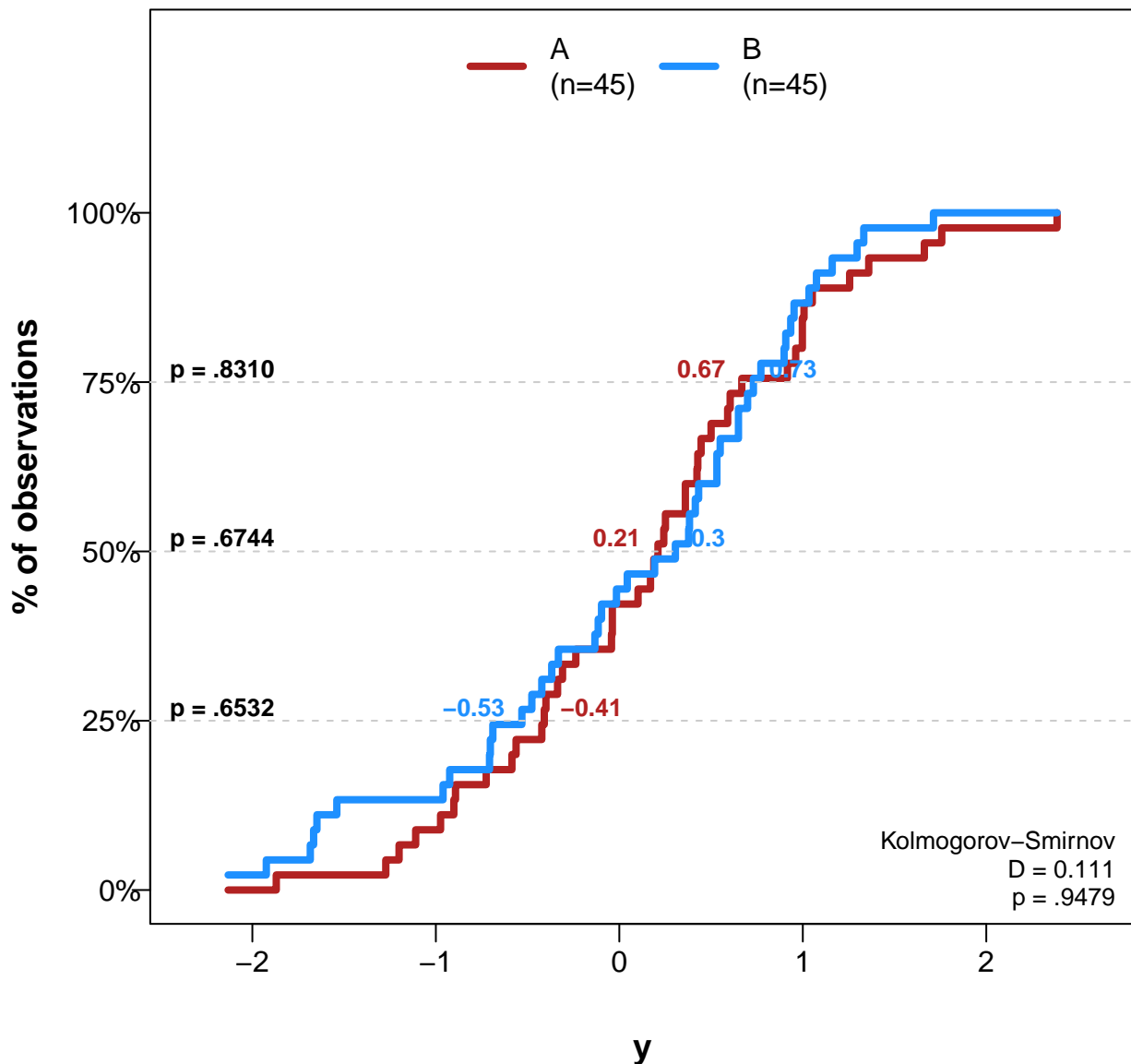
# Comparing Distribution of 'value' by 'group'



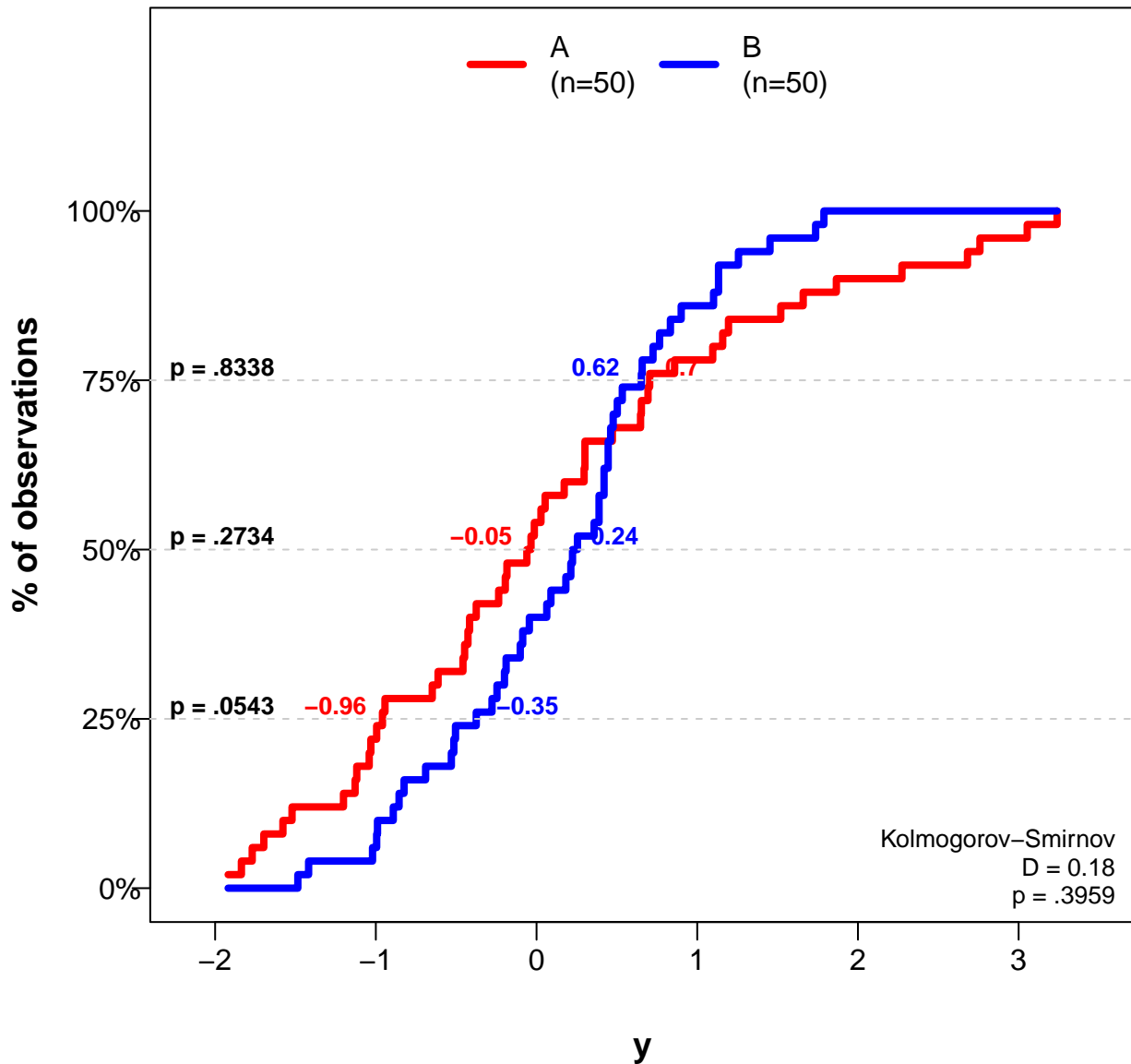
# Comparing Distribution of 'y' by 'group'



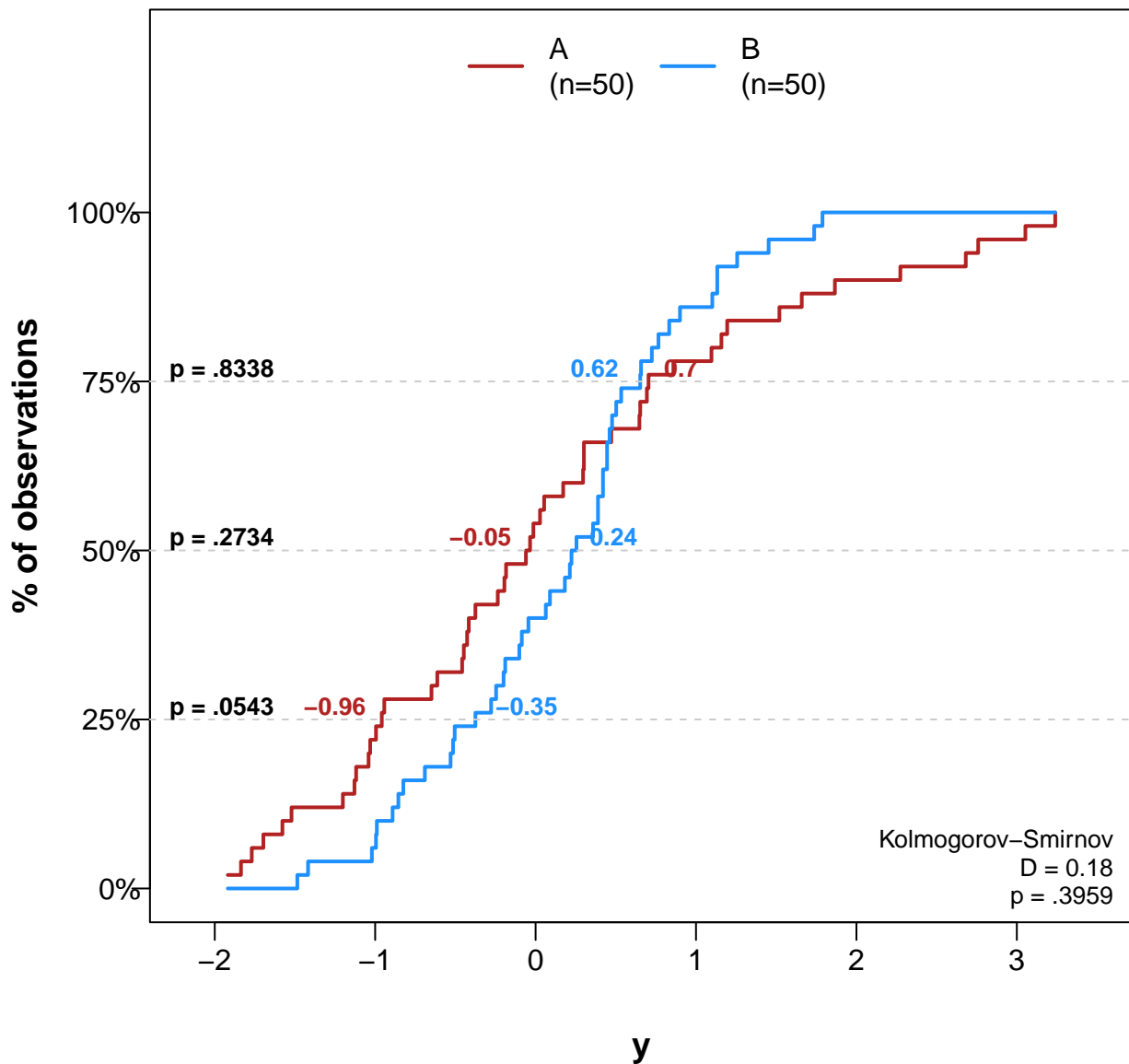
# Comparing Distribution of 'y' by 'group'



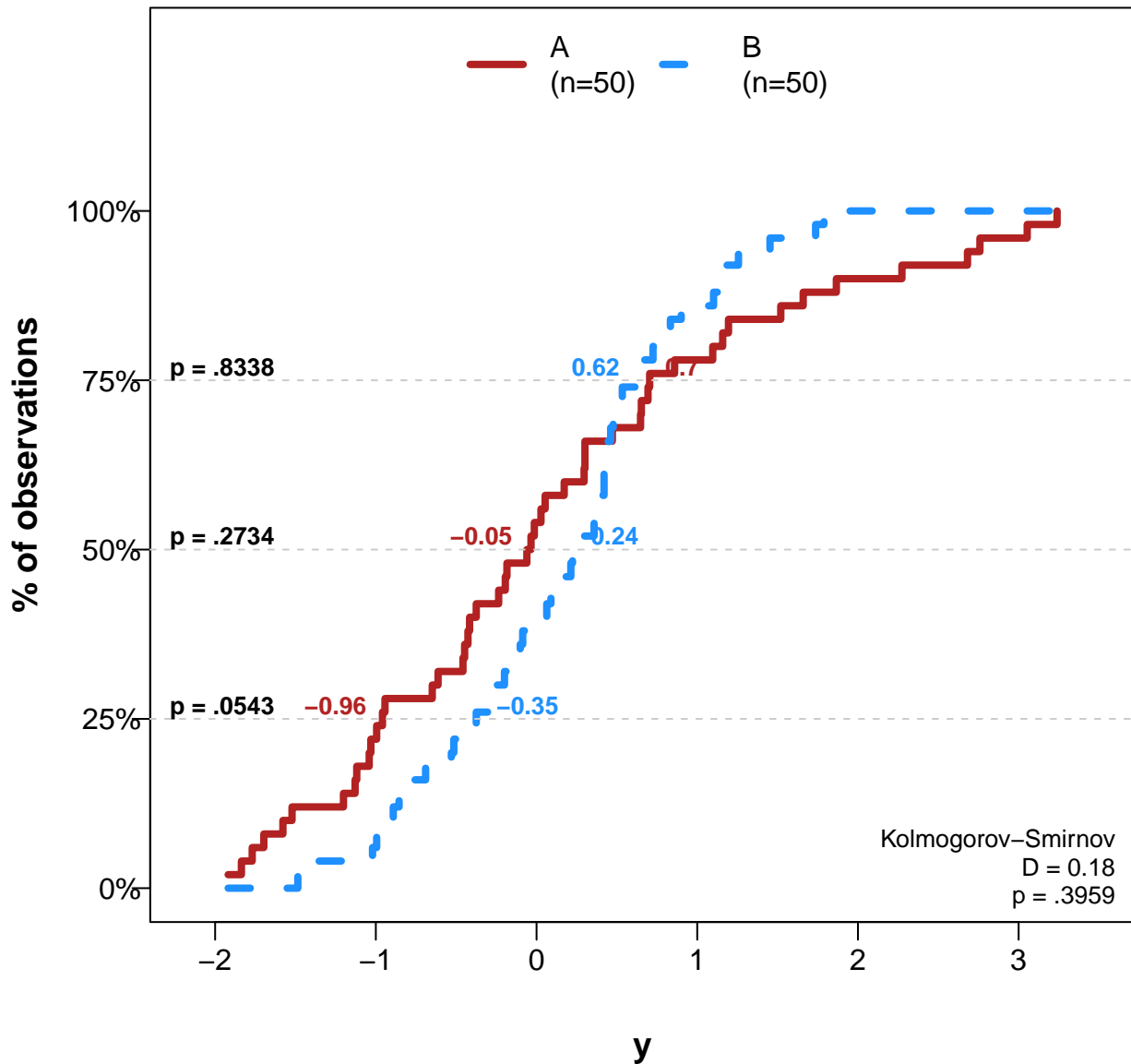
# Comparing Distribution of 'y' by 'group'



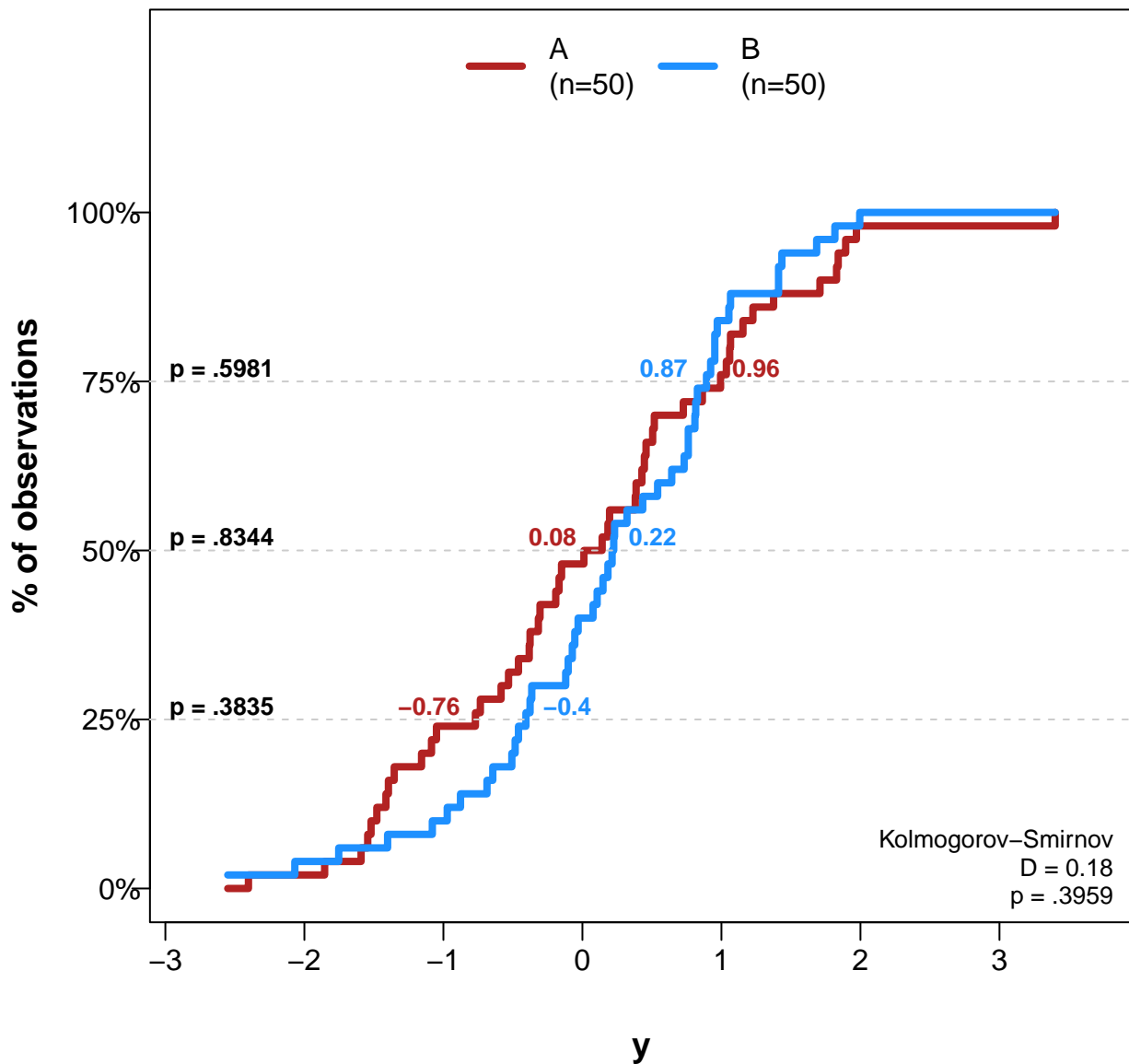
# Comparing Distribution of 'y' by 'group'



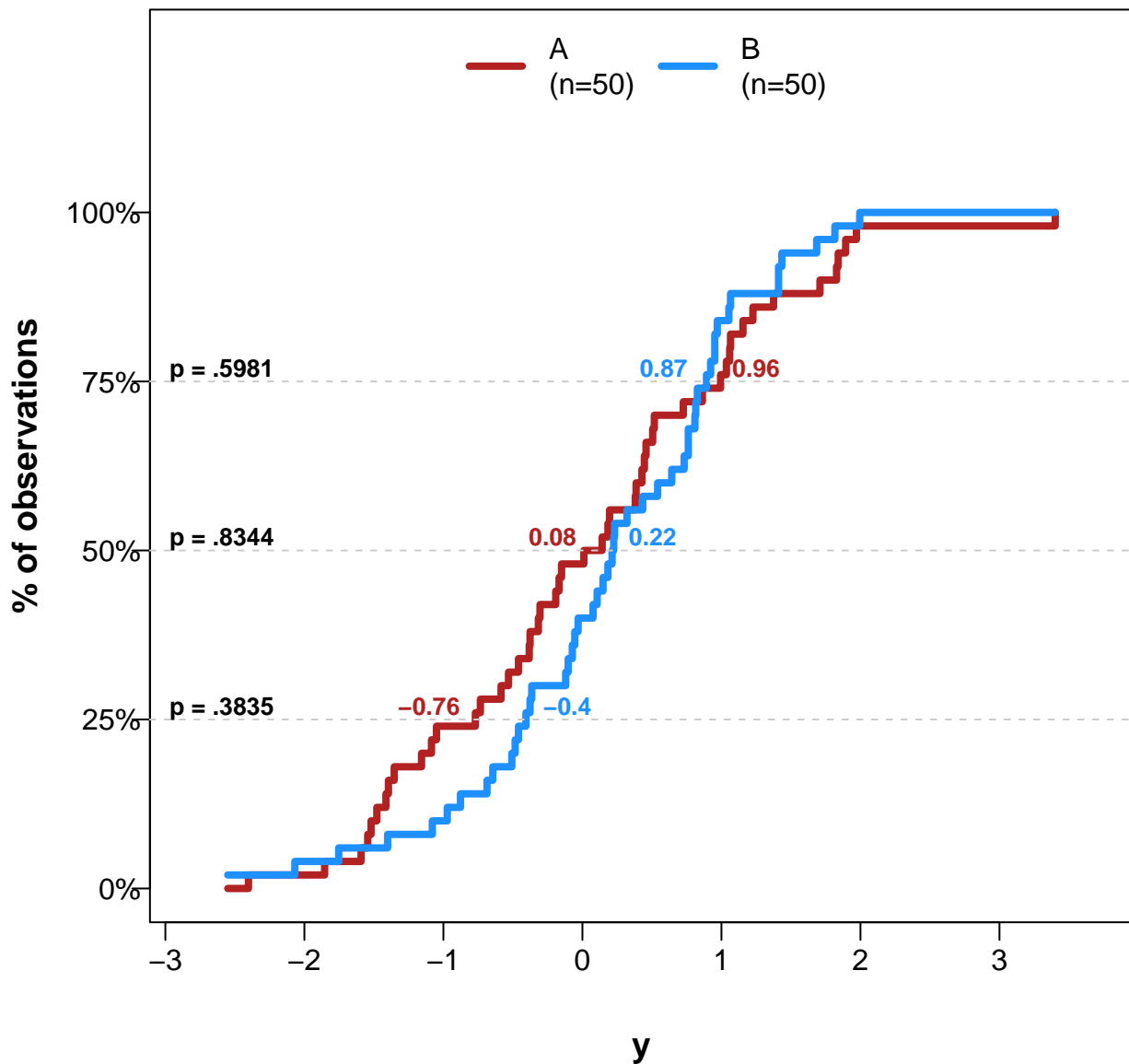
# Comparing Distribution of 'y' by 'group'



# Comparing Distribution of 'y' by 'group'

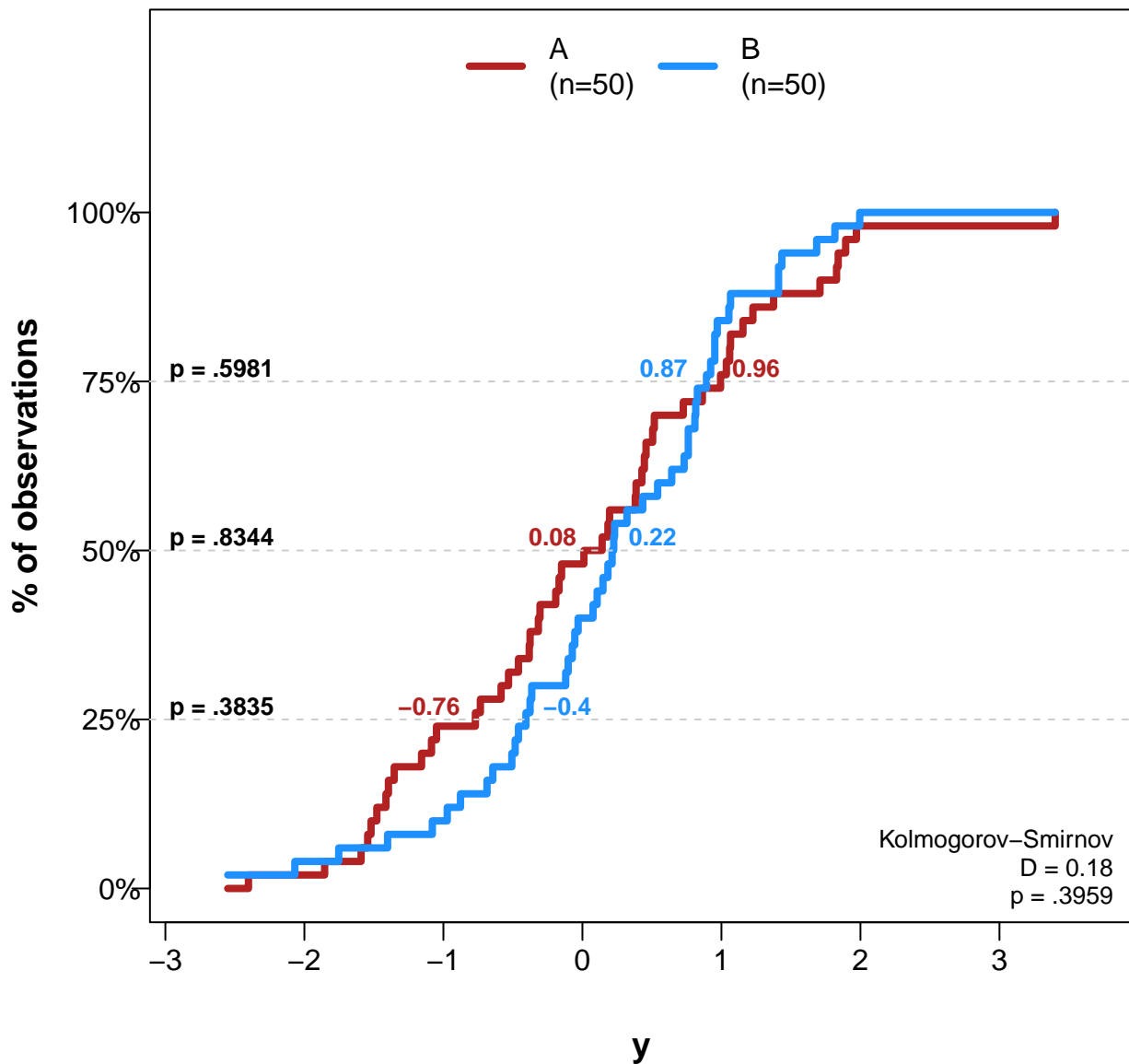


# Comparing Distribution of 'y' by 'group'

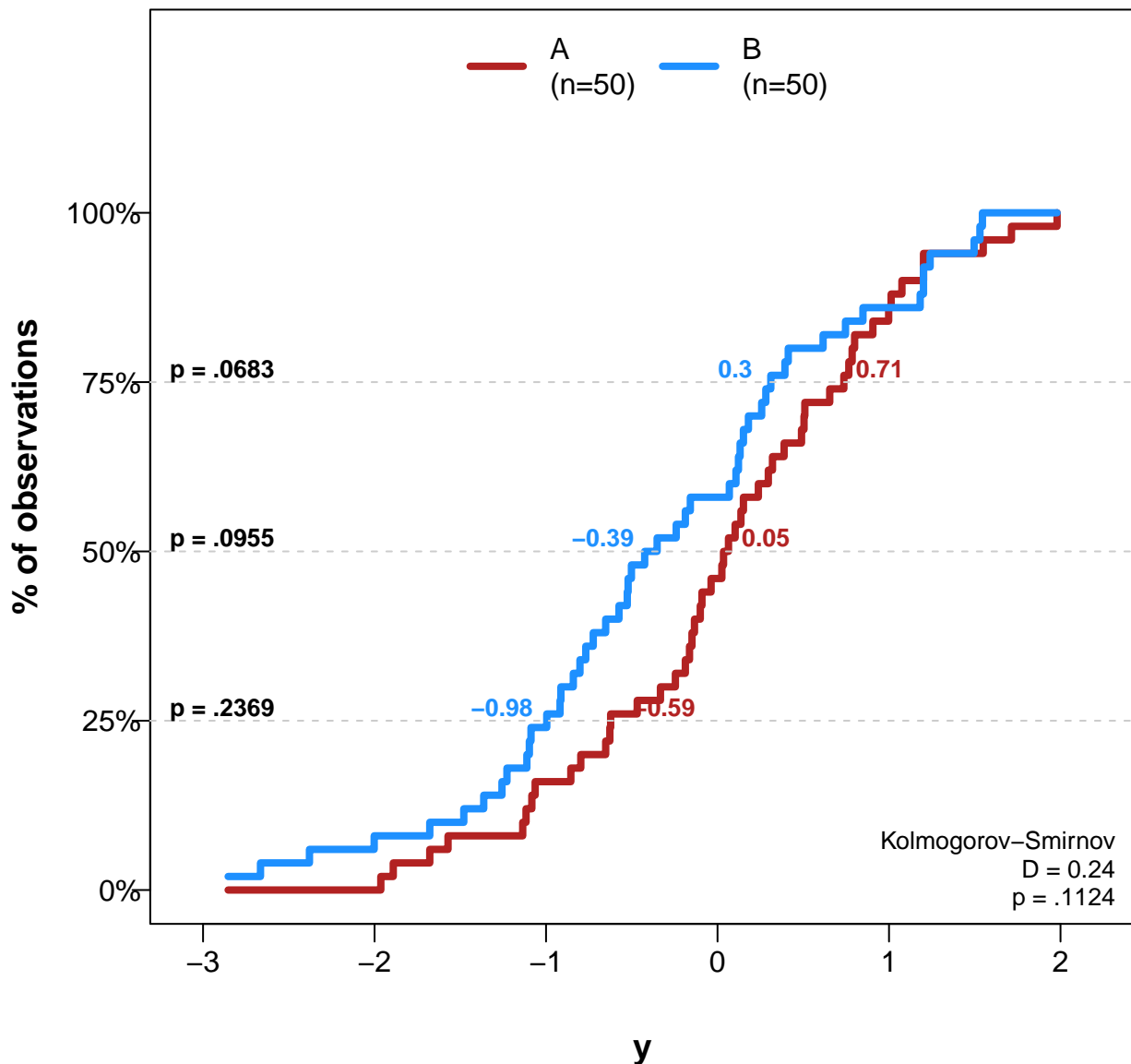




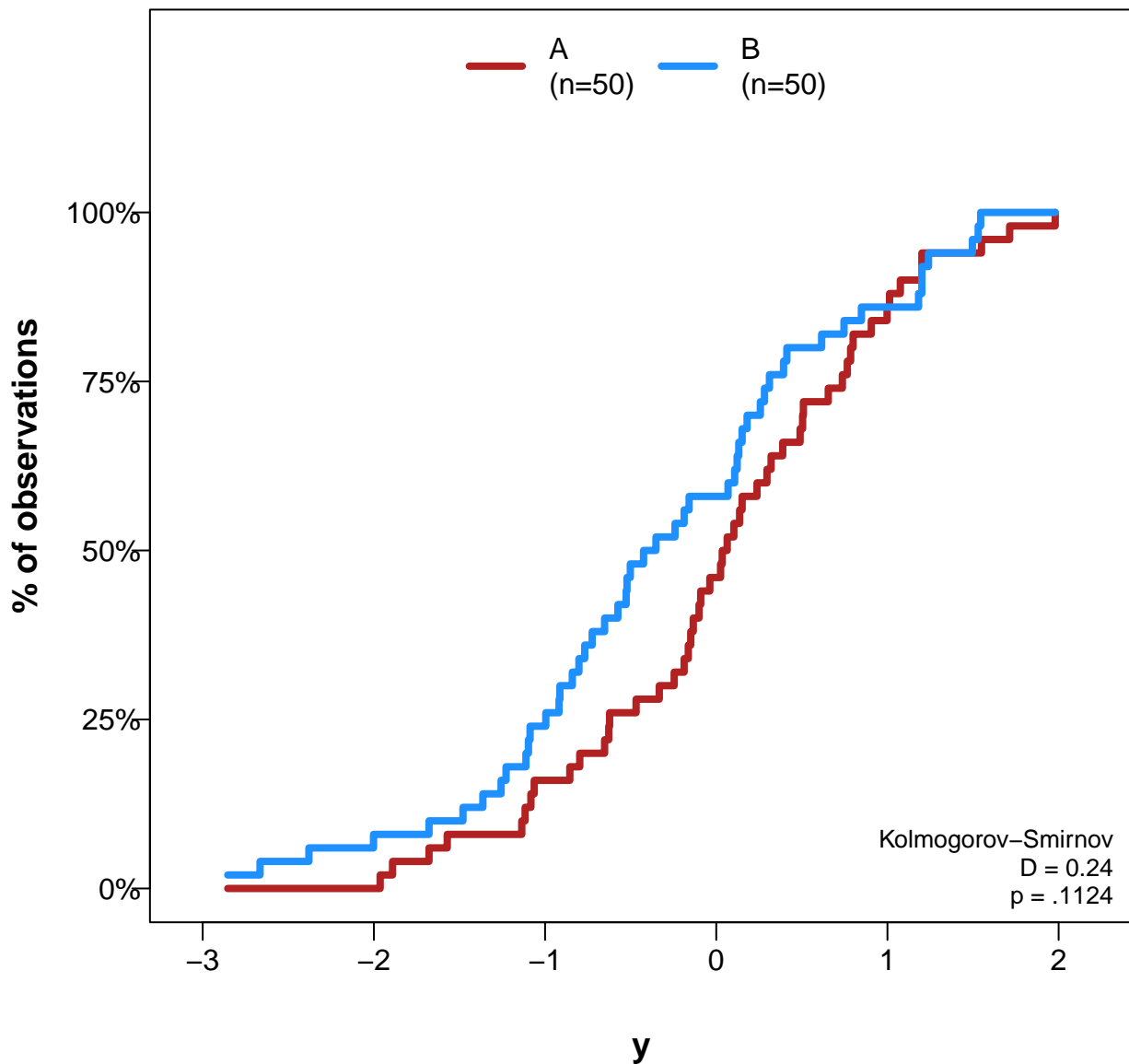
# Comparing Distribution of 'y' by 'group'



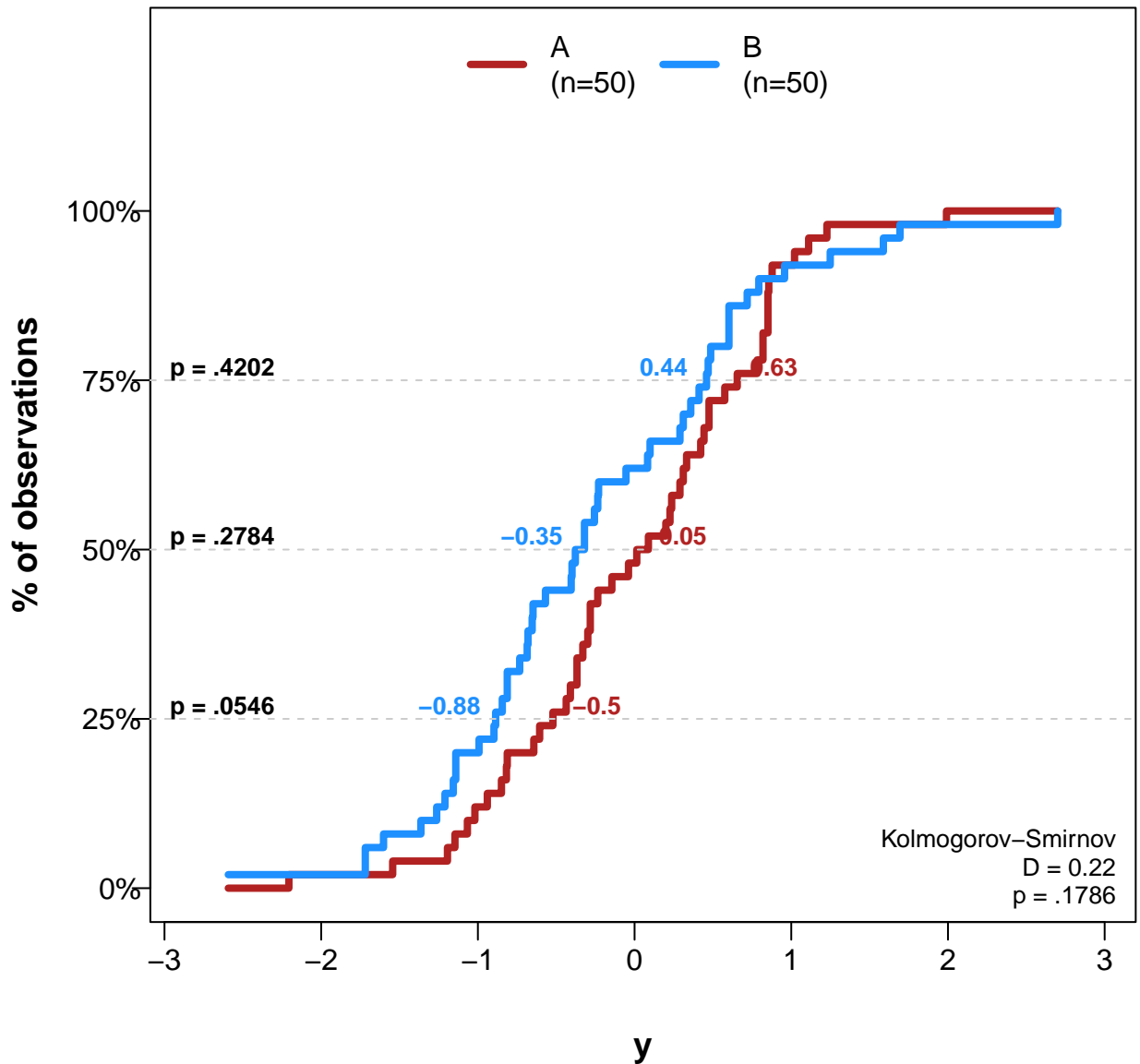
# Comparing Distribution of 'y' by 'group'



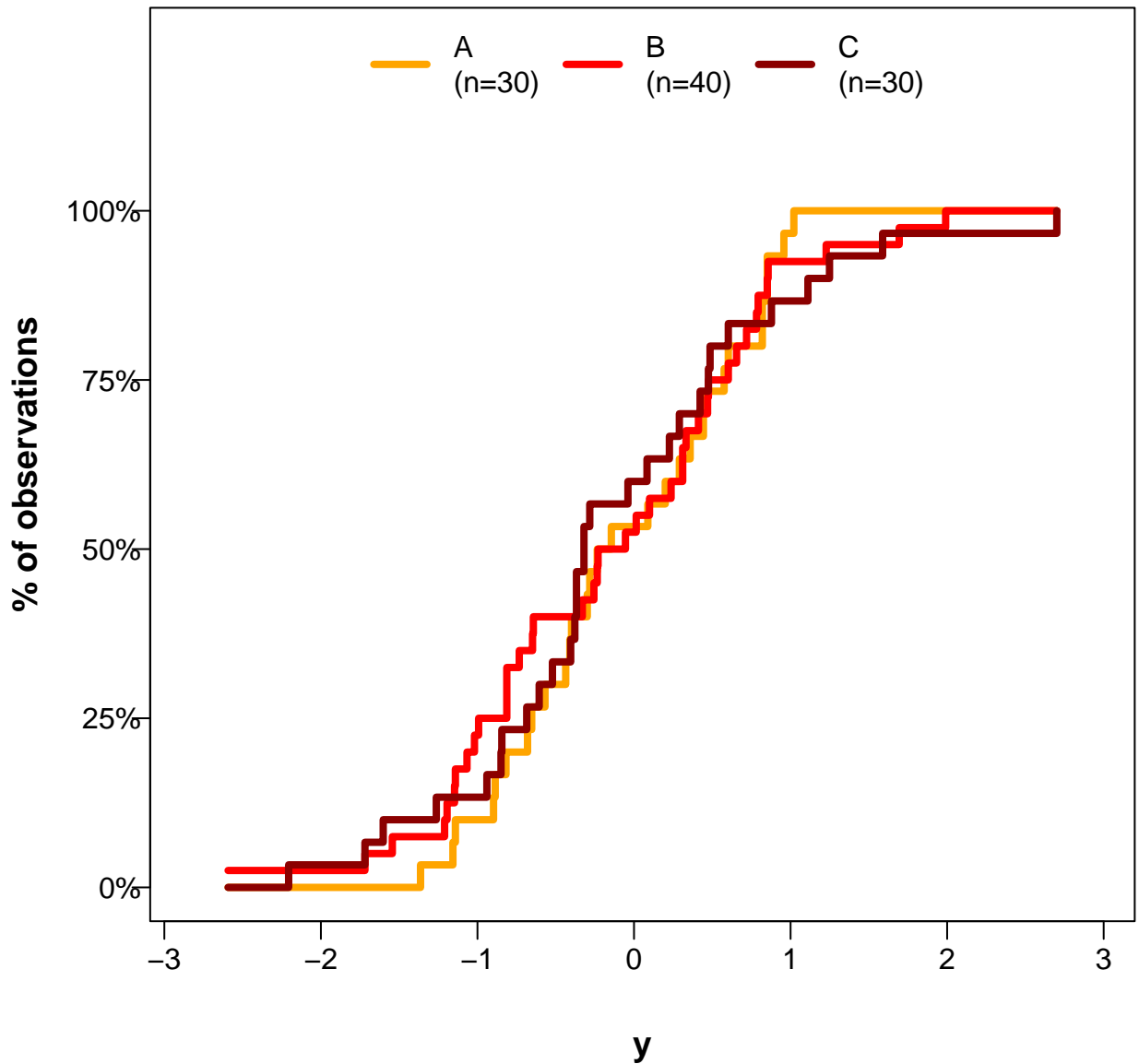
# Comparing Distribution of 'y' by 'group'



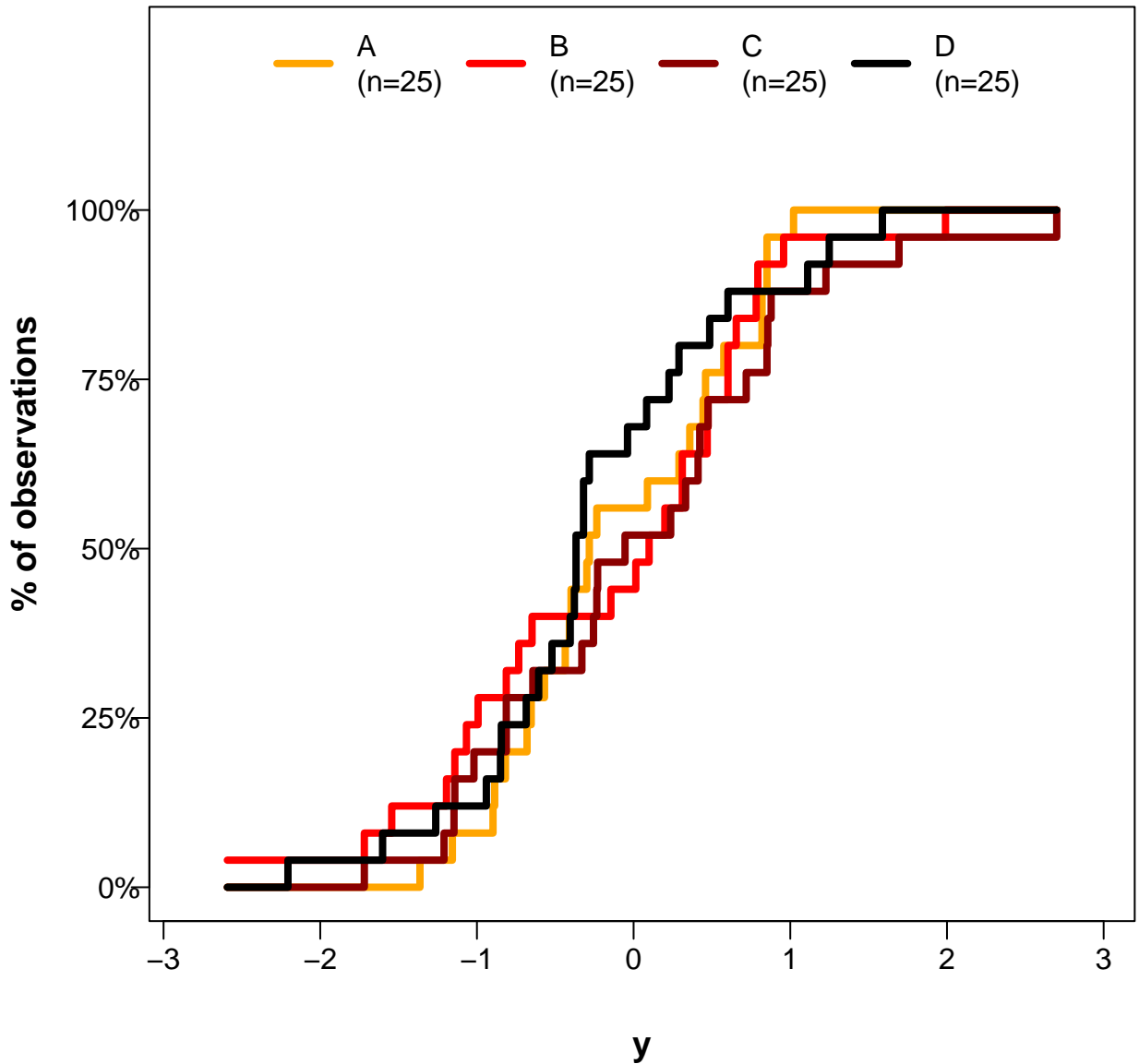
# Comparing Distribution of 'y' by 'group2'



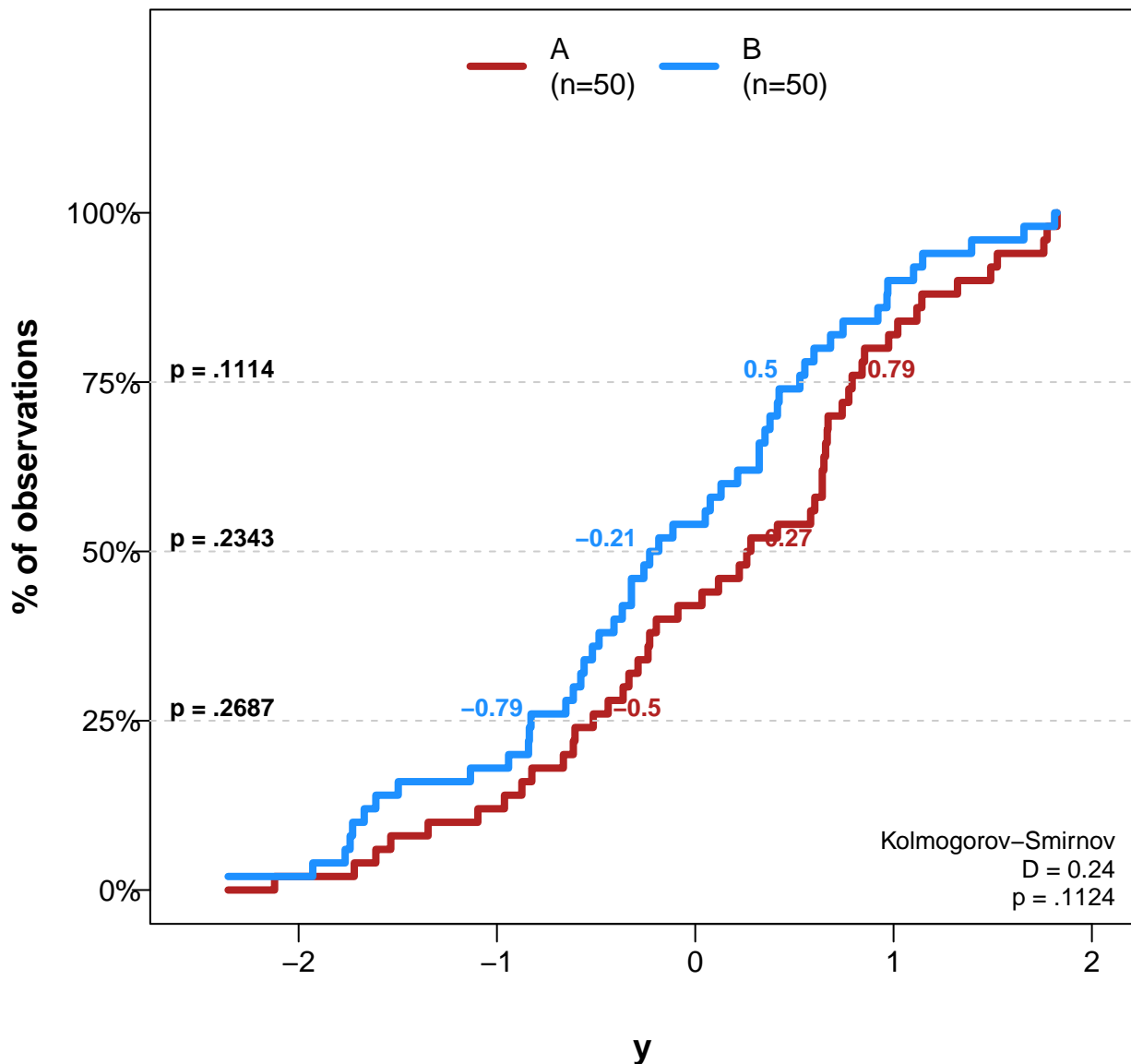
# Comparing Distribution of 'y' by 'group3'



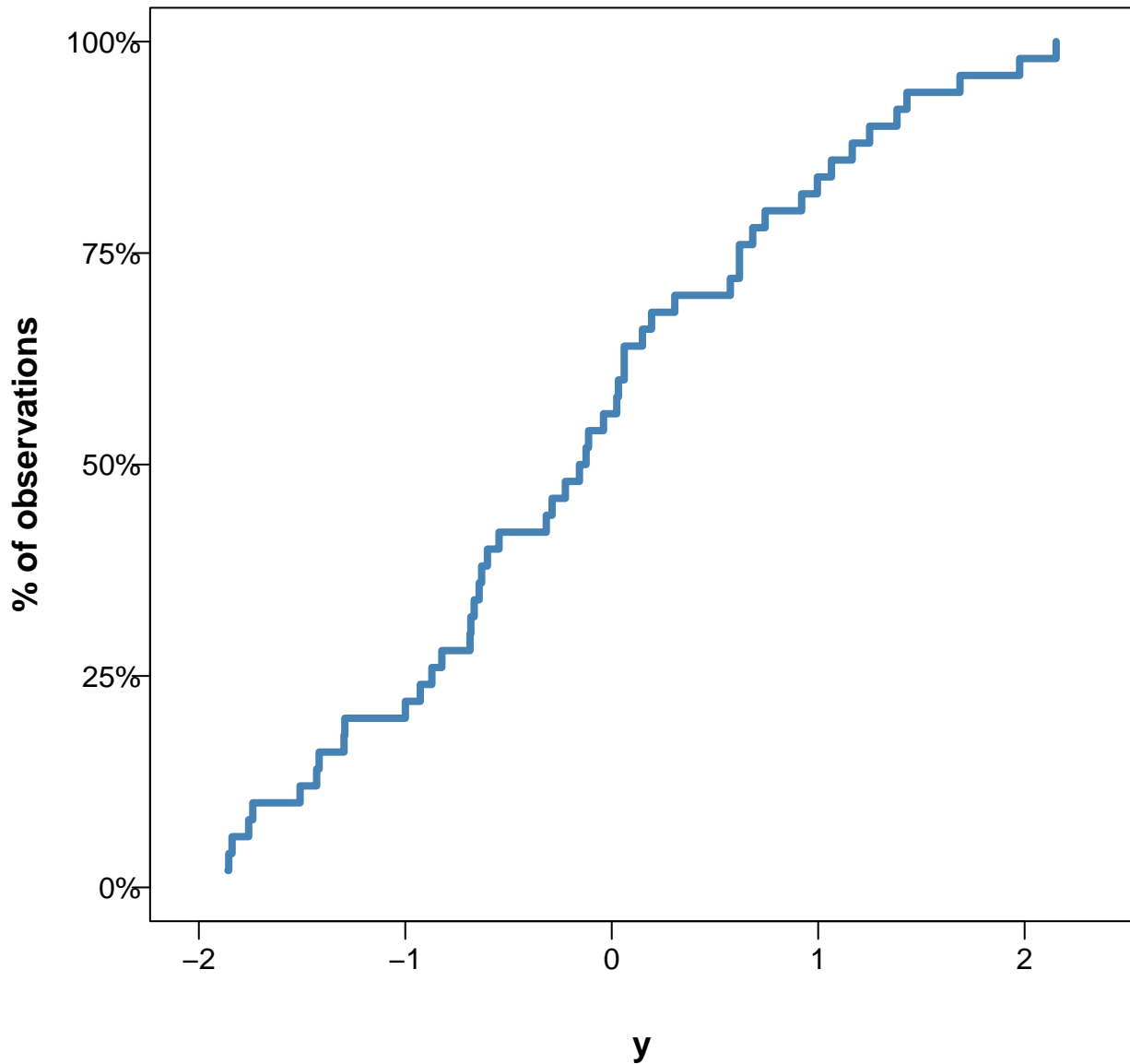
# Comparing Distribution of 'y' by 'group4'



# Comparing Distribution of 'y' by 'group'

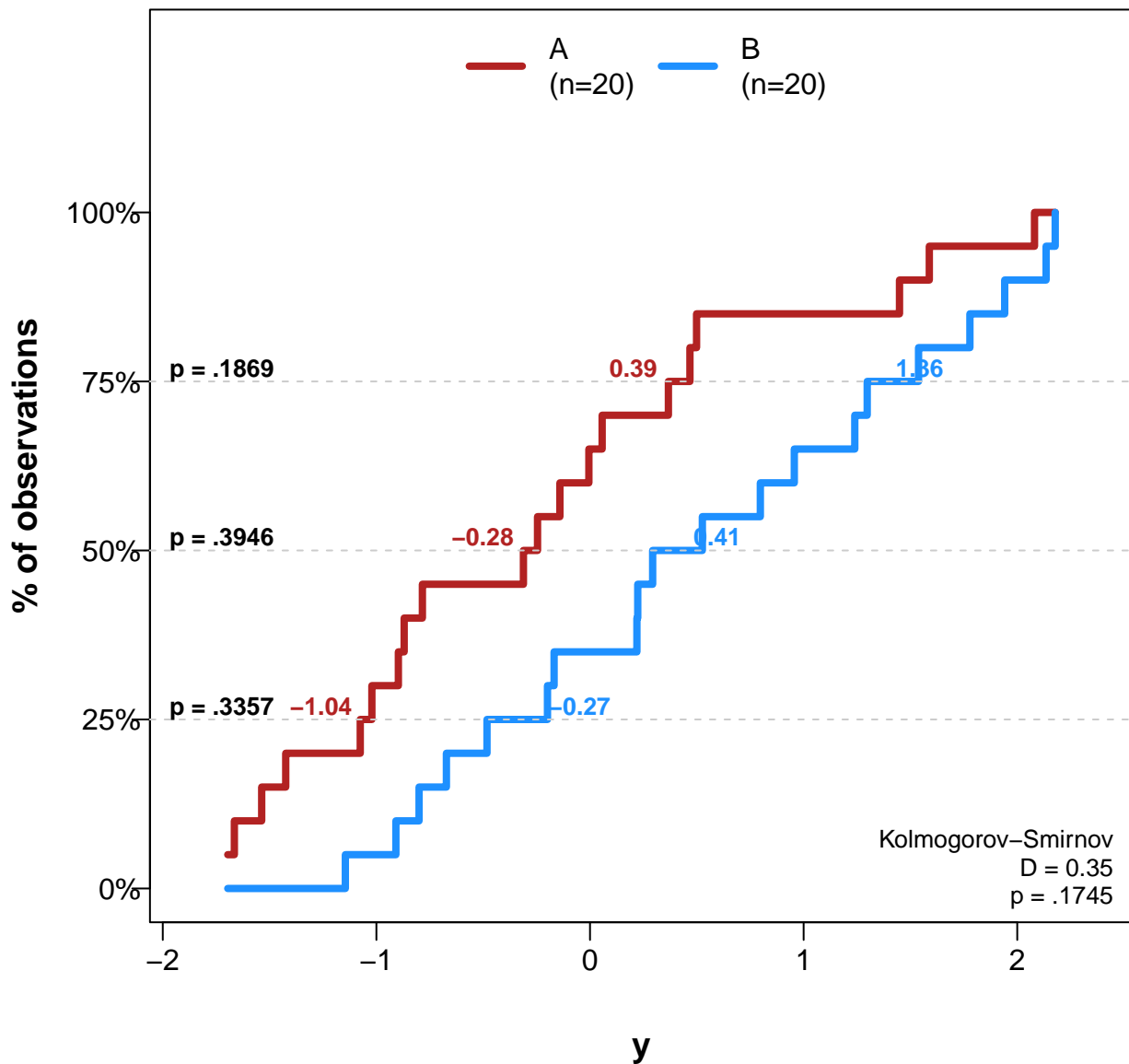


# Comparing Distribution of 'y' by 'group'

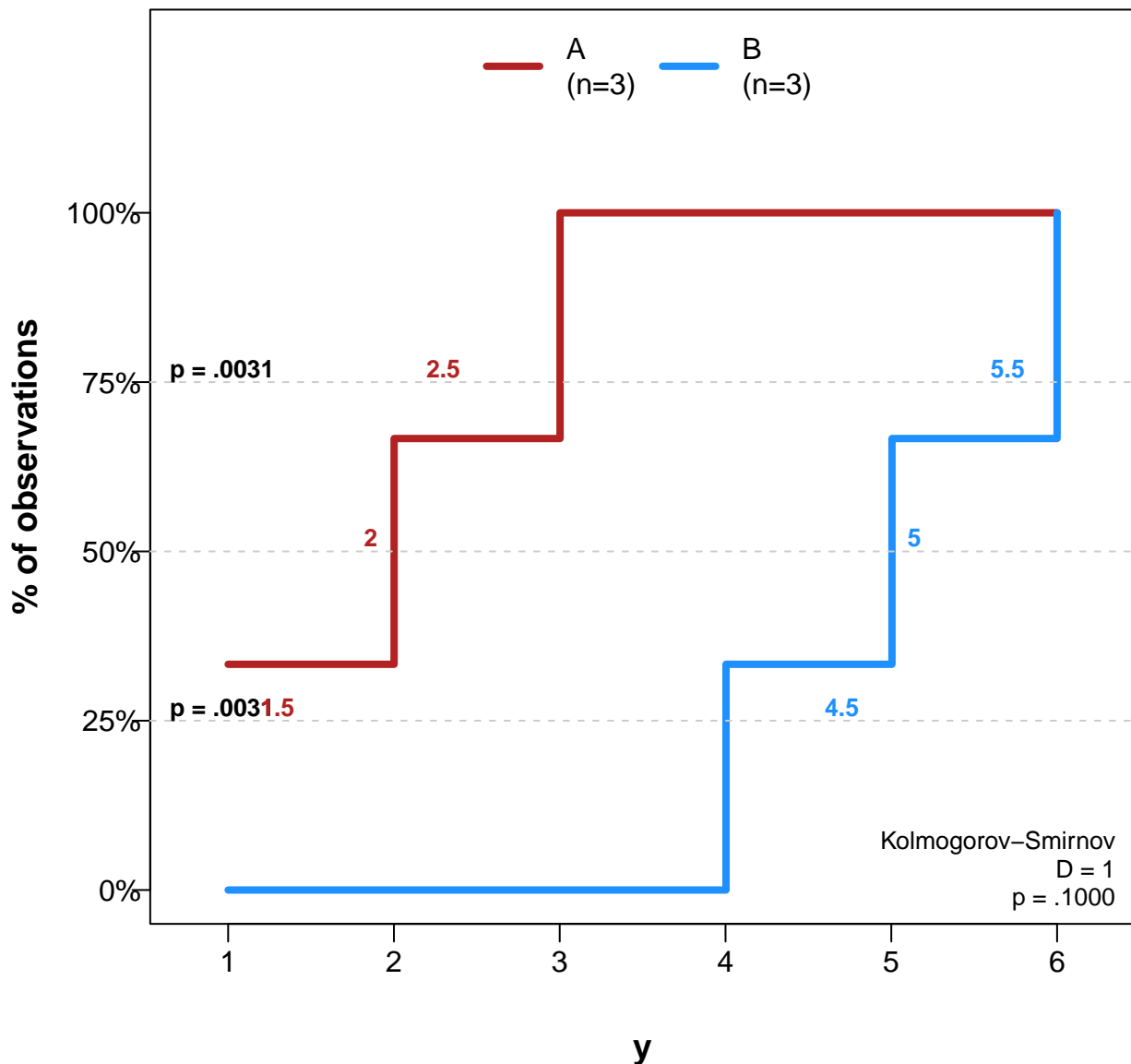




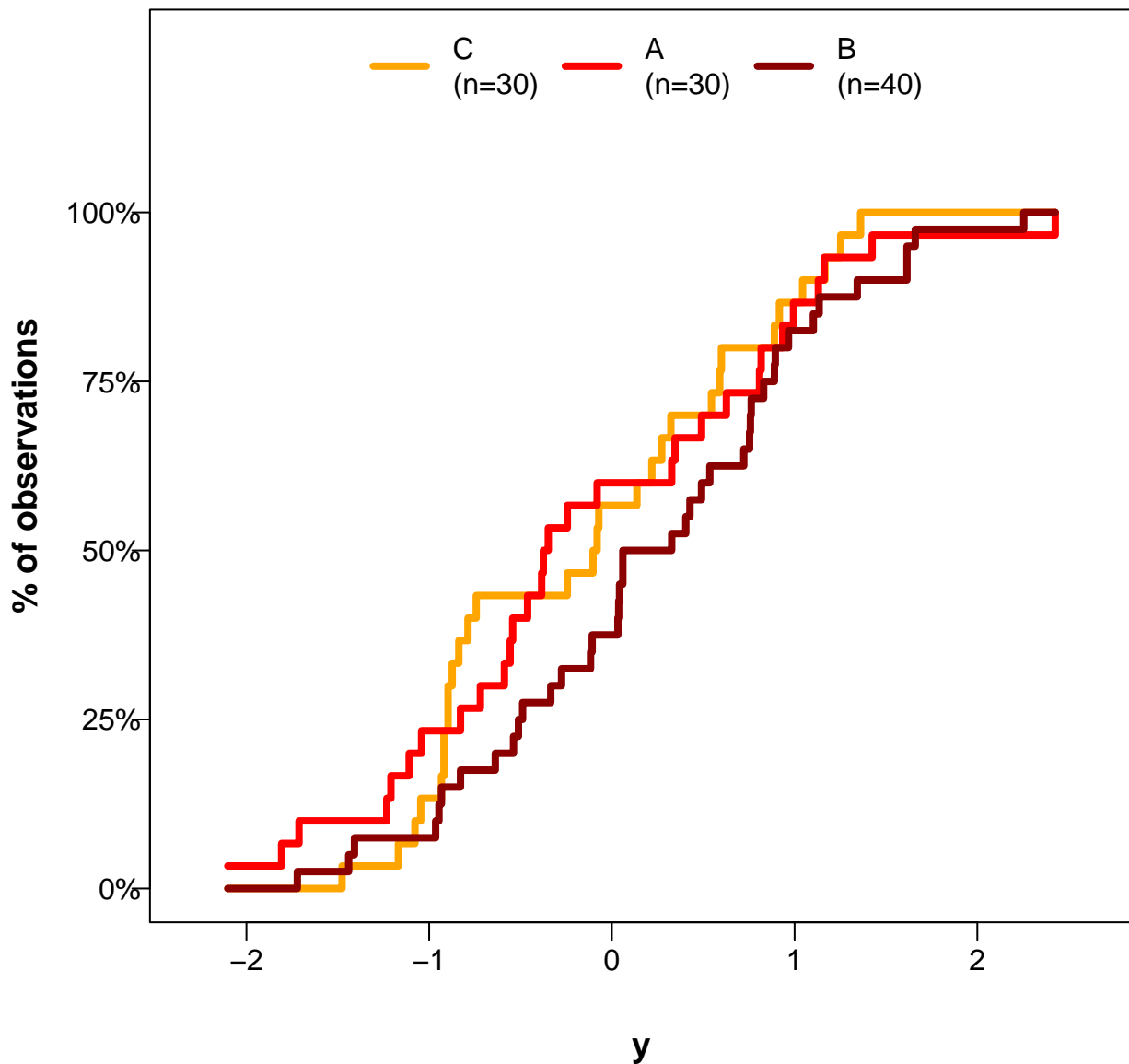
# Comparing Distribution of 'y' by 'group'



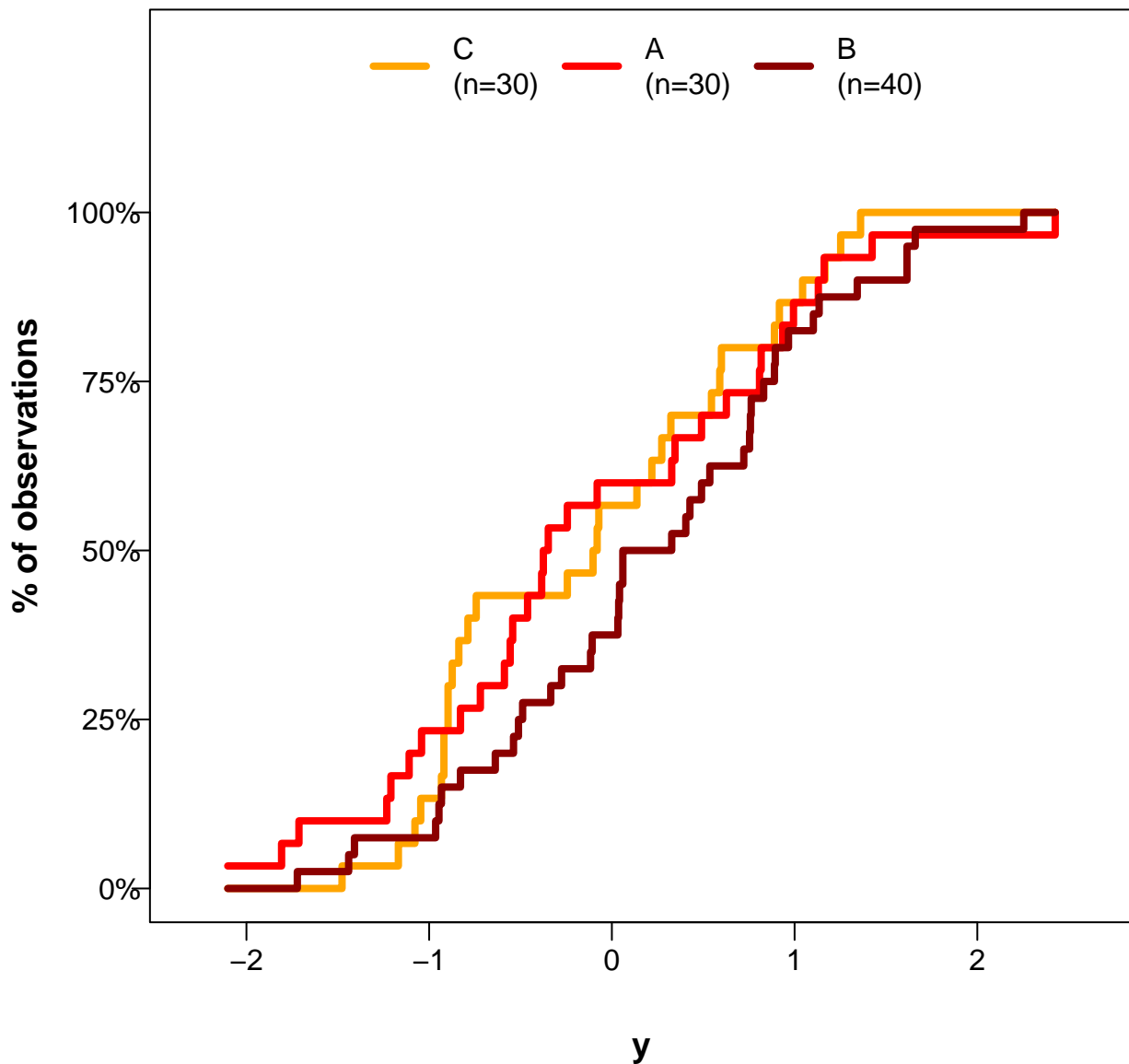
# Comparing Distribution of 'y' by 'group'



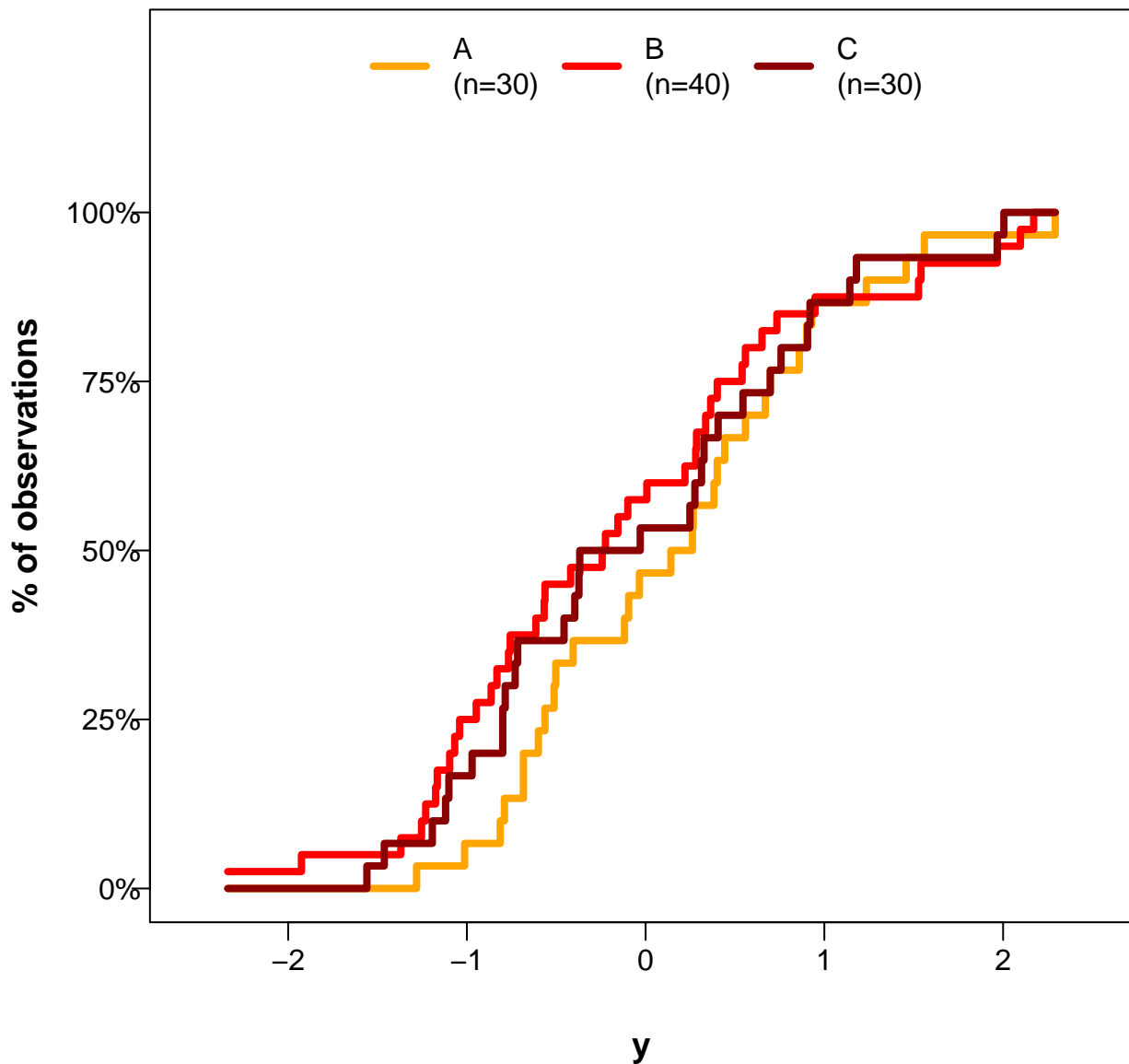
# Comparing Distribution of 'y' by 'group'



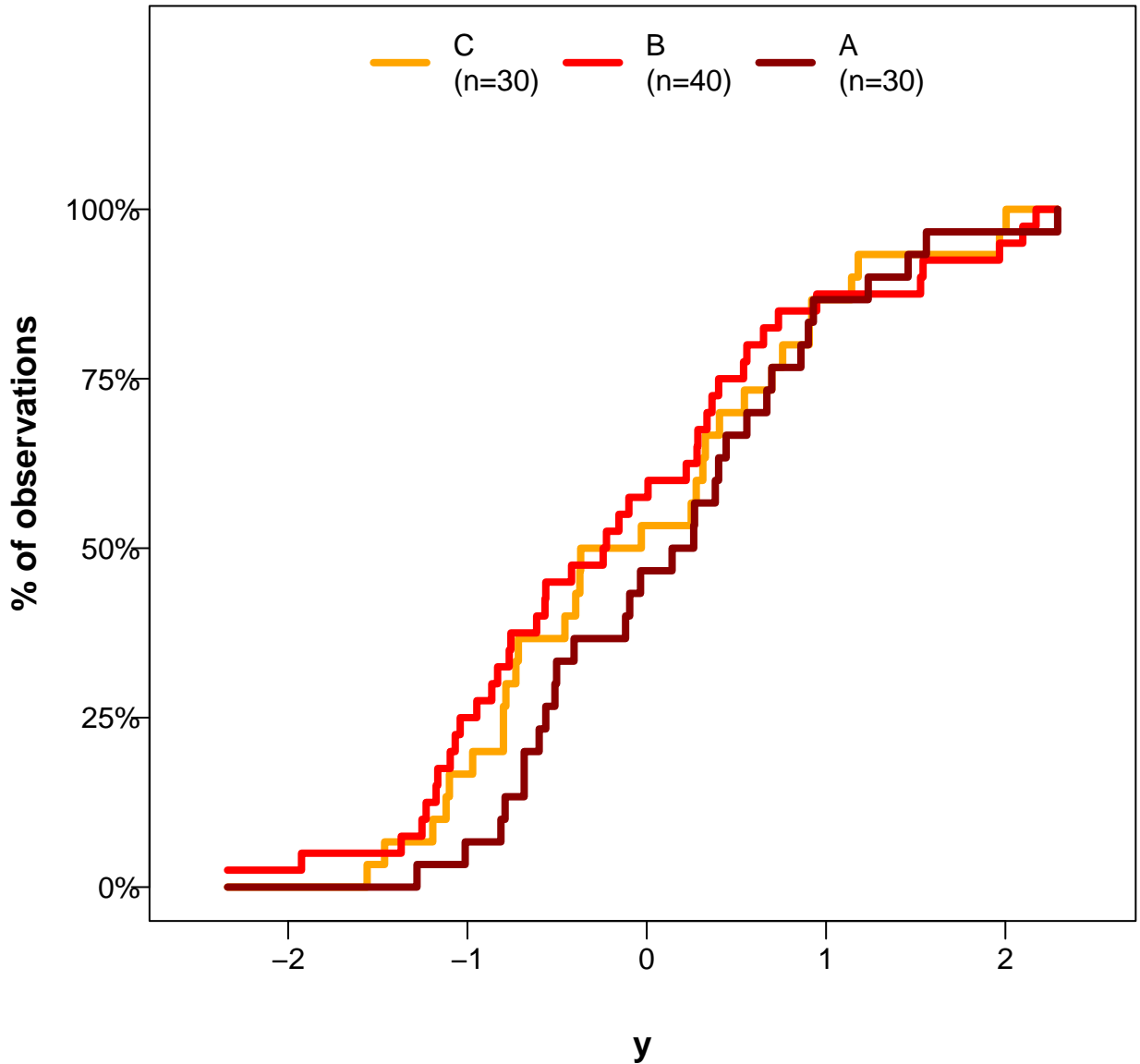
# Comparing Distribution of 'y' by 'group'



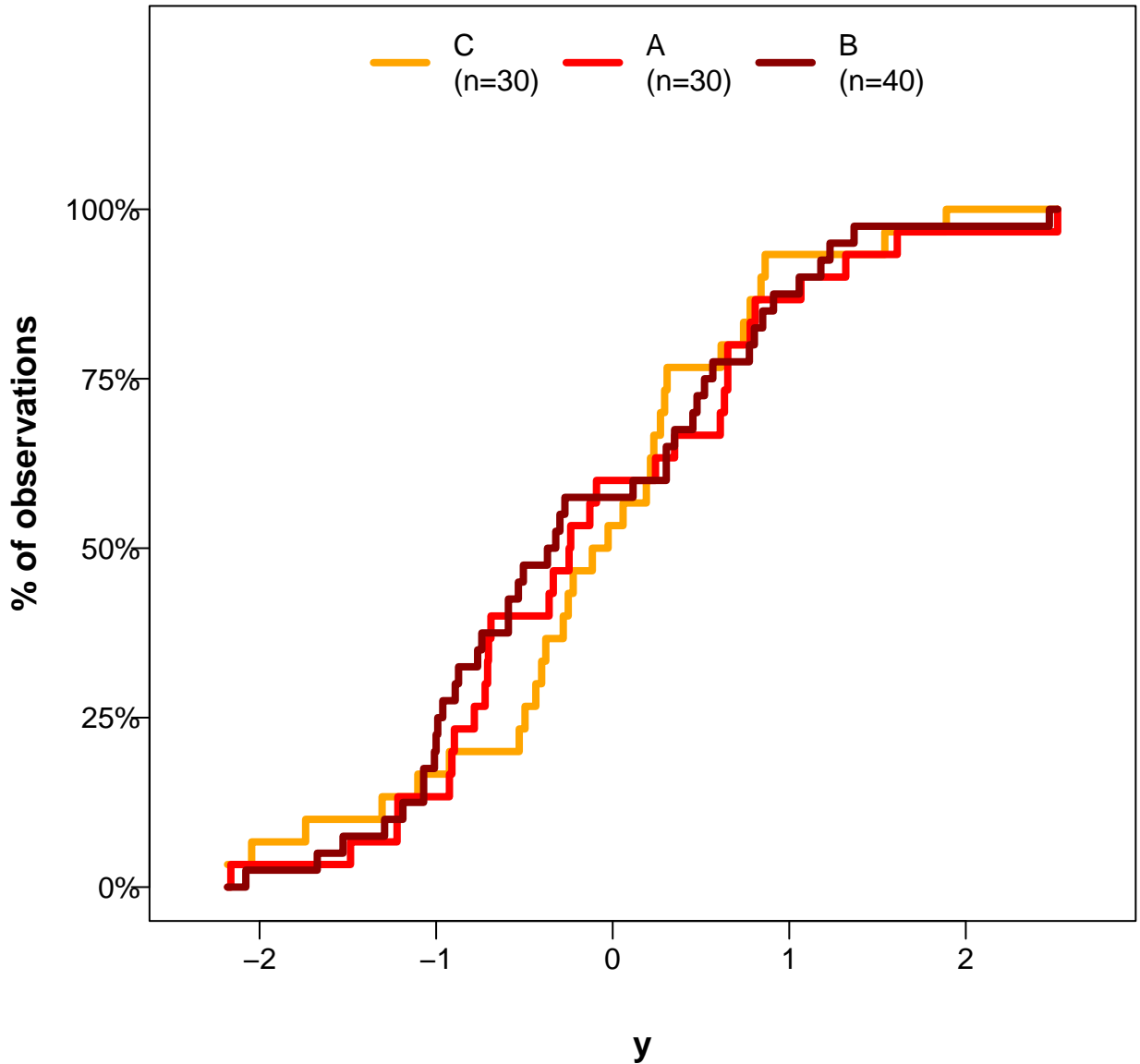
# Comparing Distribution of 'y' by 'group'



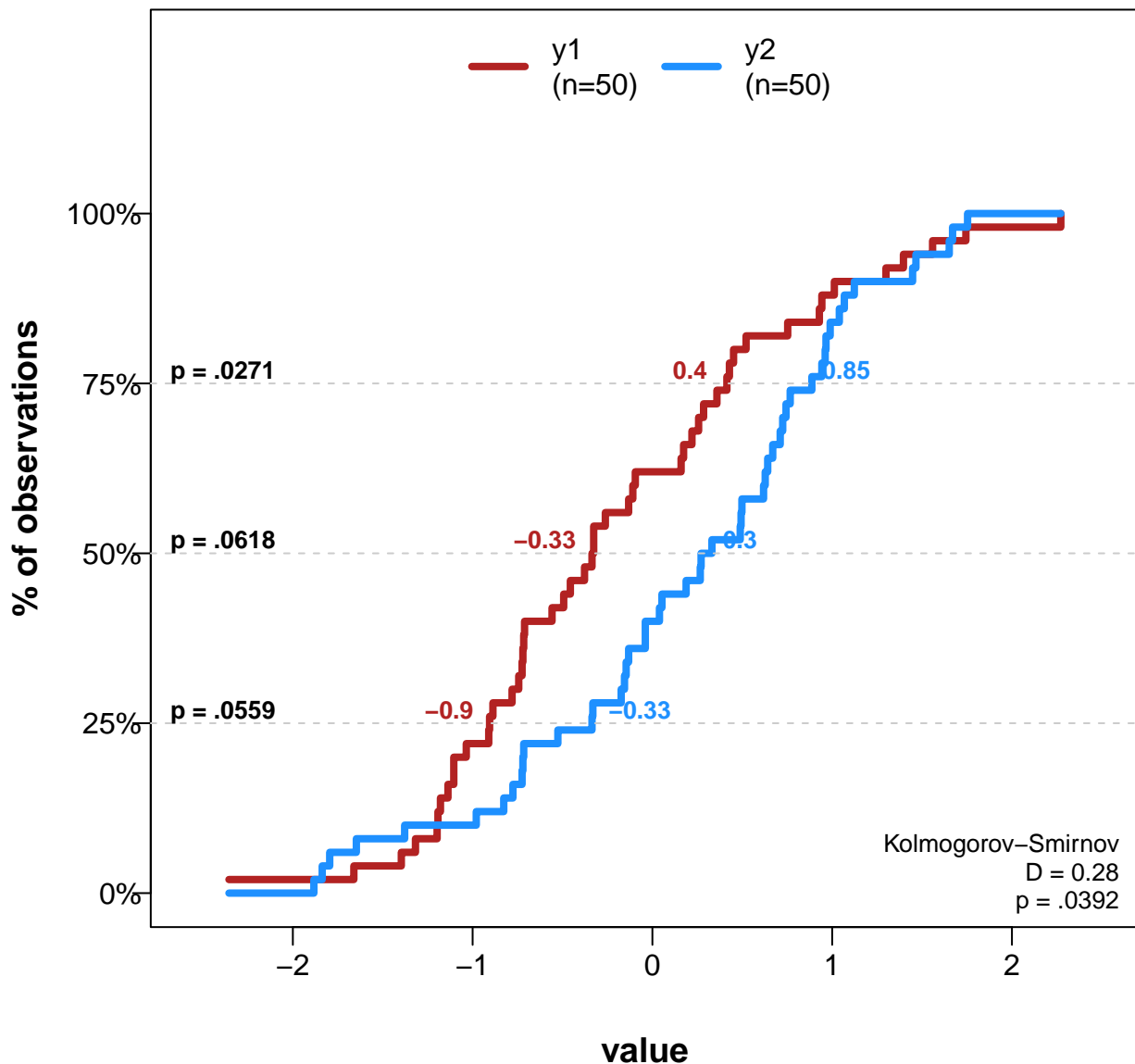
# Comparing Distribution of 'y' by 'group'



# Comparing Distribution of 'y' by 'group'

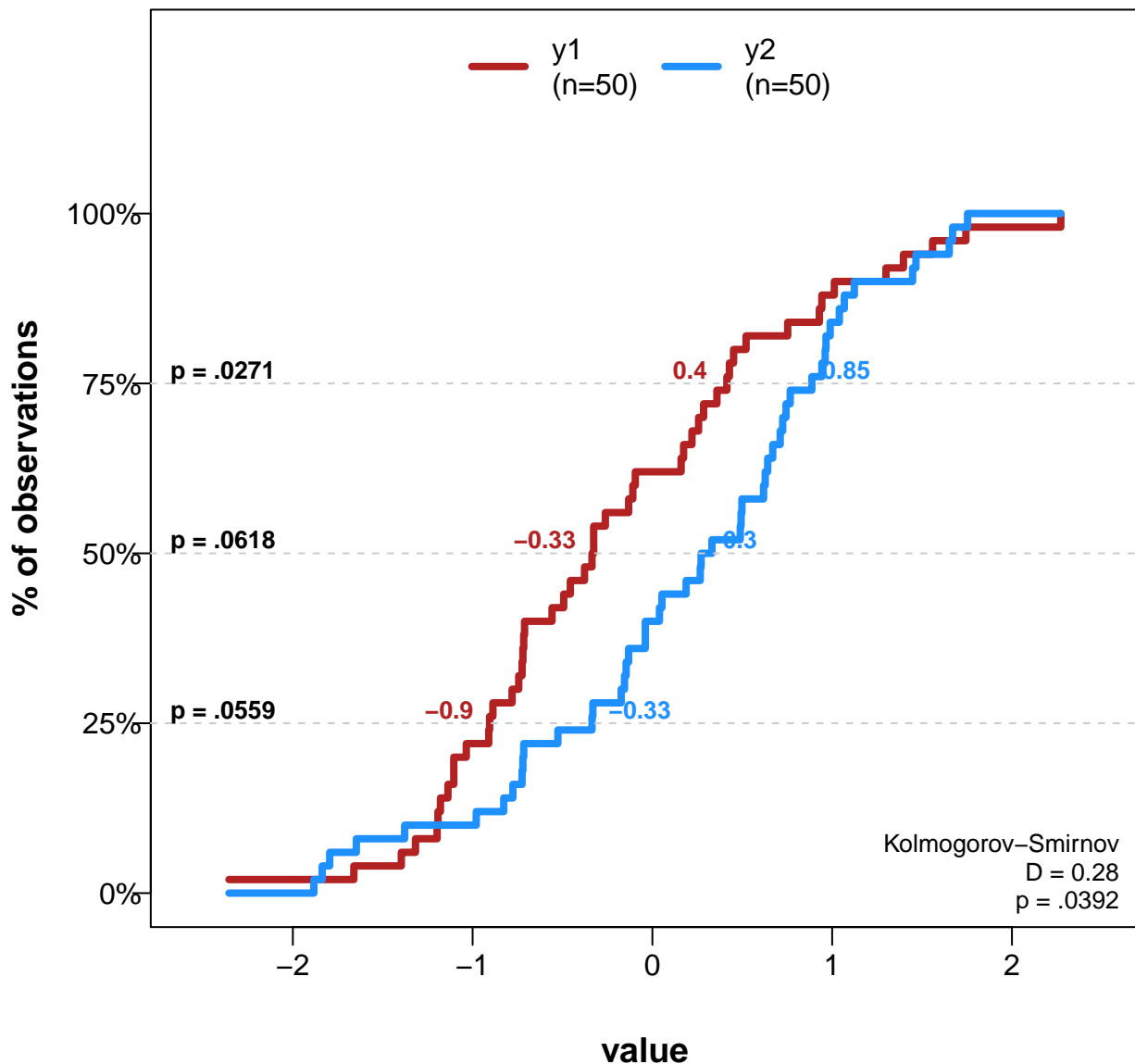


# Comparing Distribution of 'value' by 'group'

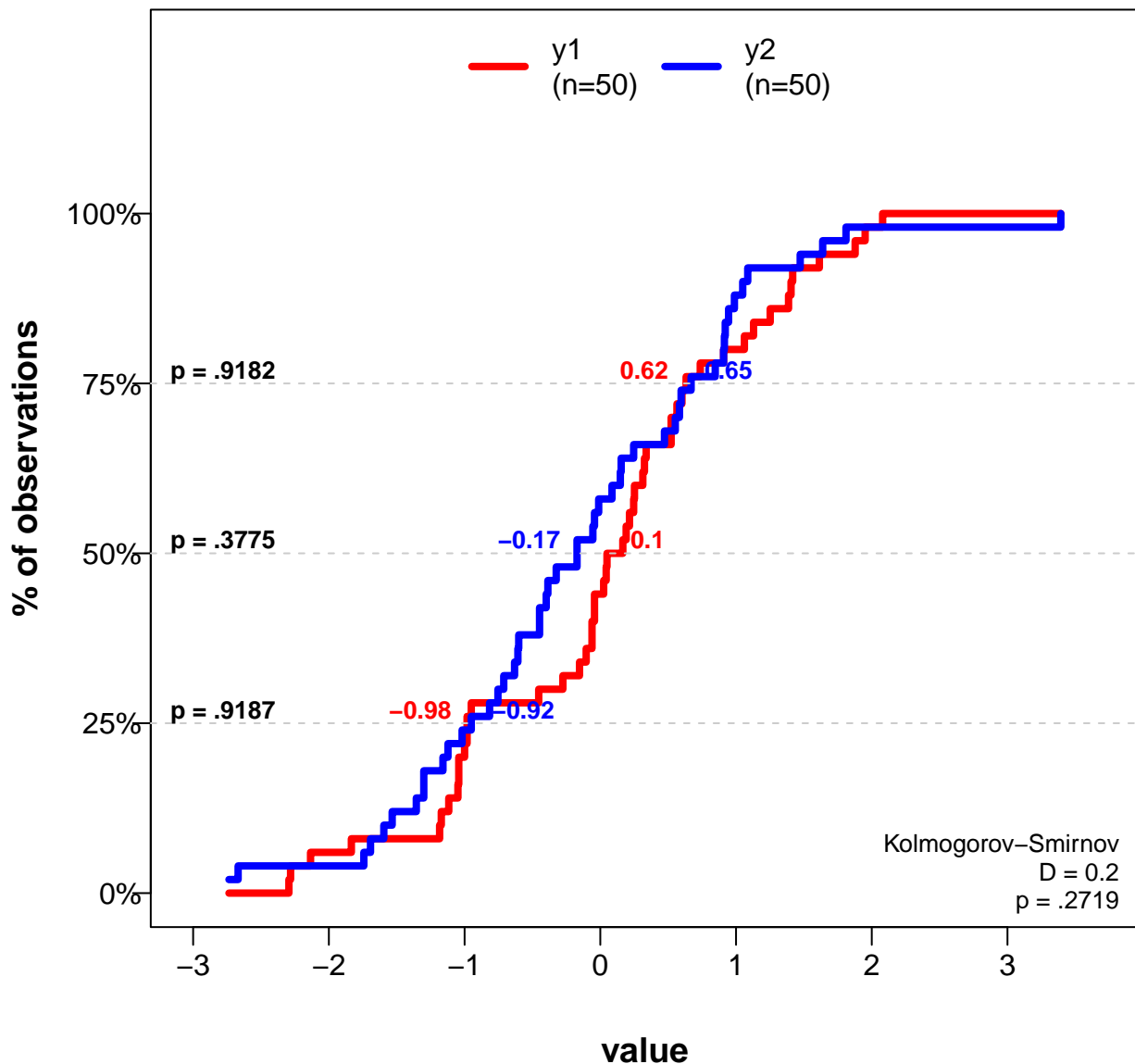




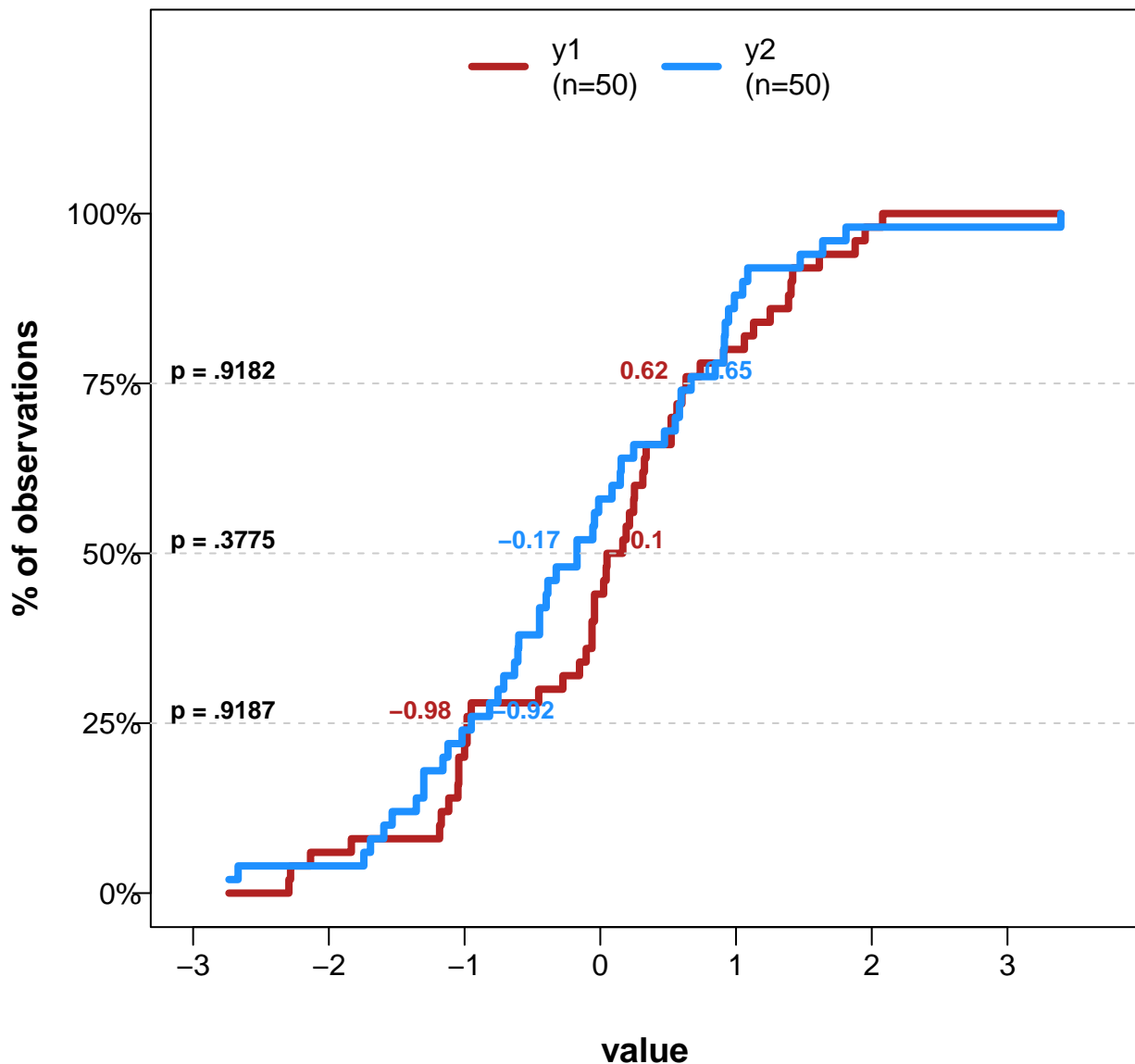
# Comparing Distribution of 'value' by 'group'



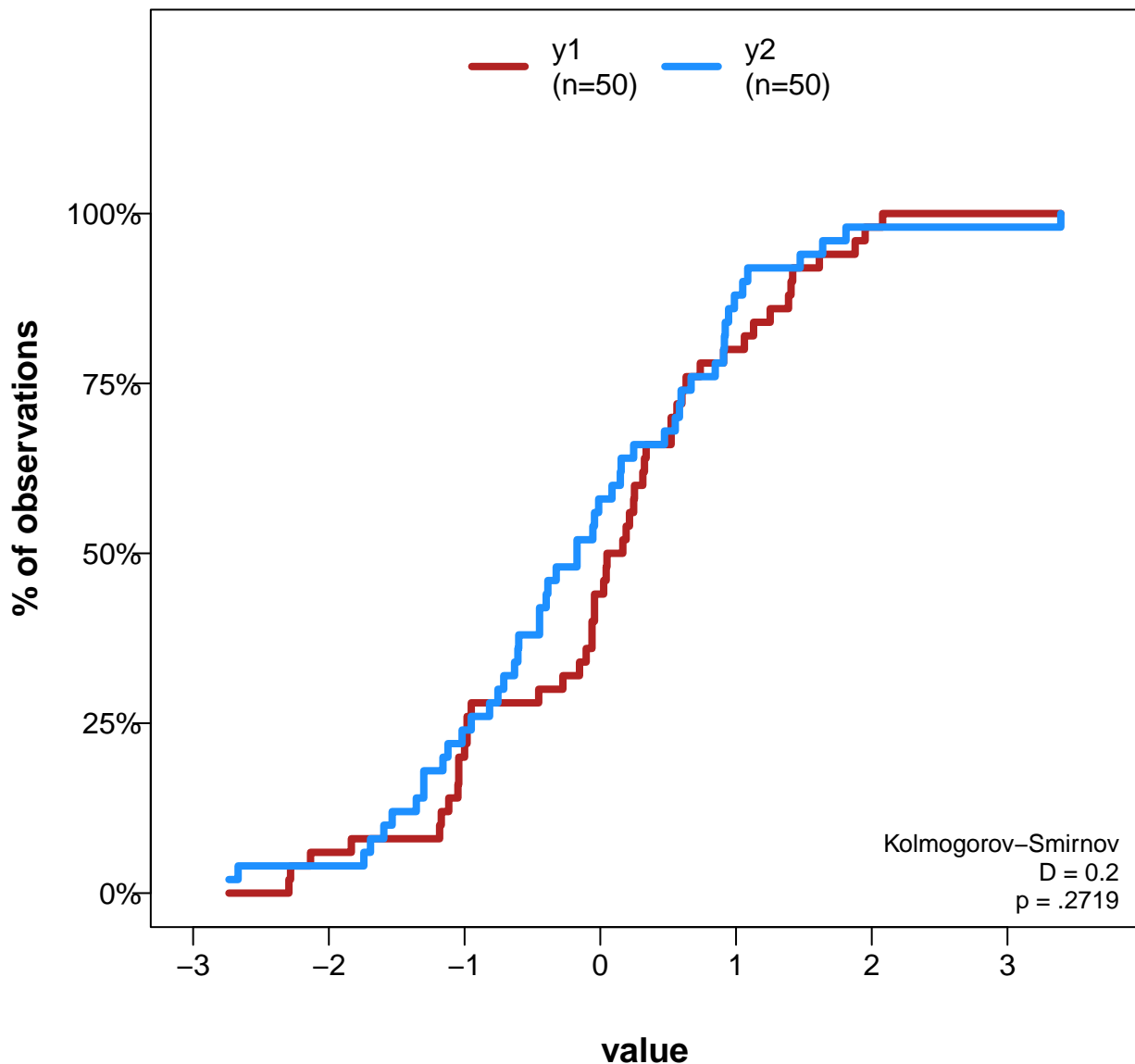
# Comparing Distribution of 'value' by 'group'



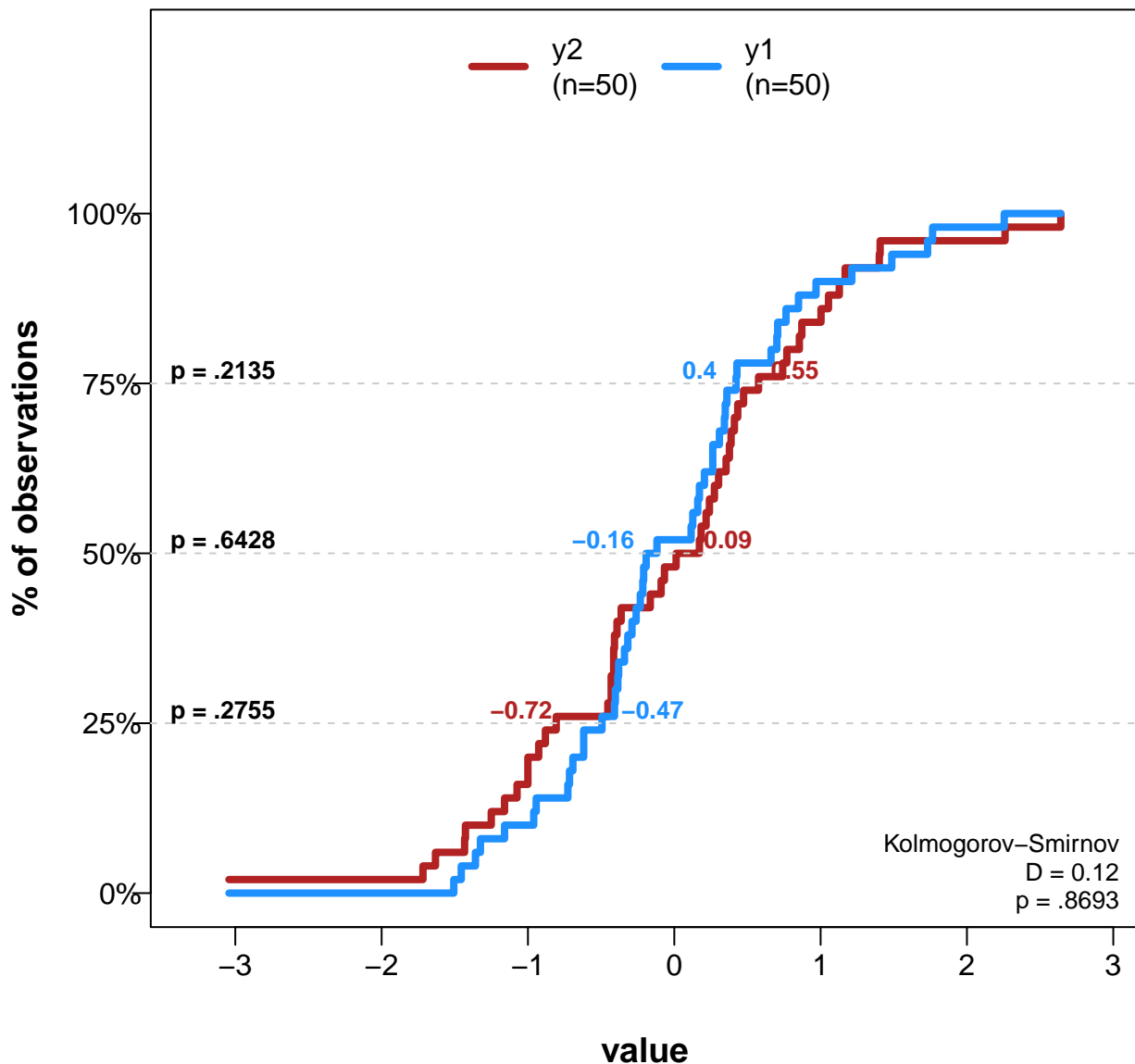
# Comparing Distribution of 'value' by 'group'



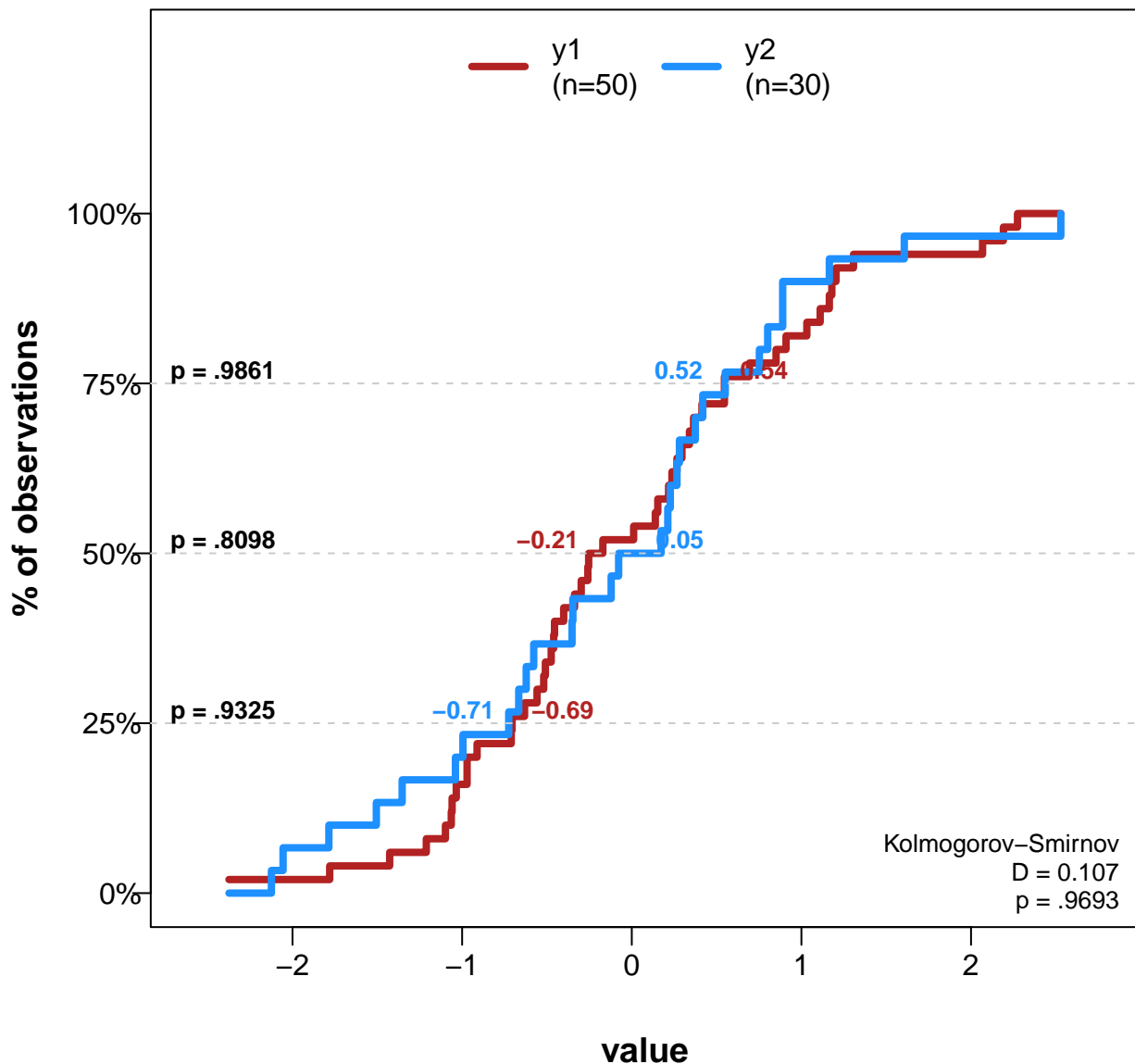
# Comparing Distribution of 'value' by 'group'



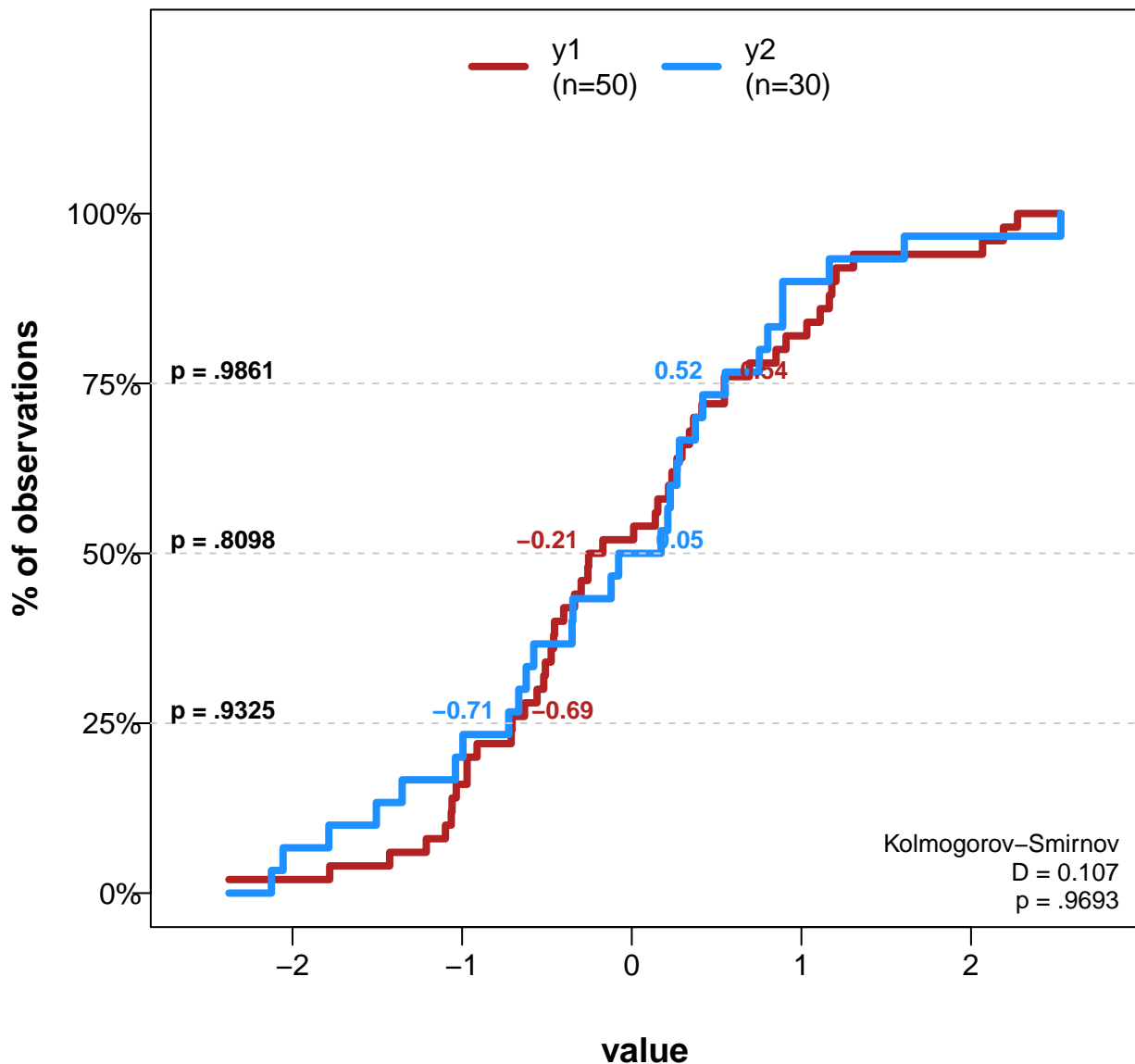
# Comparing Distribution of 'value' by 'group'



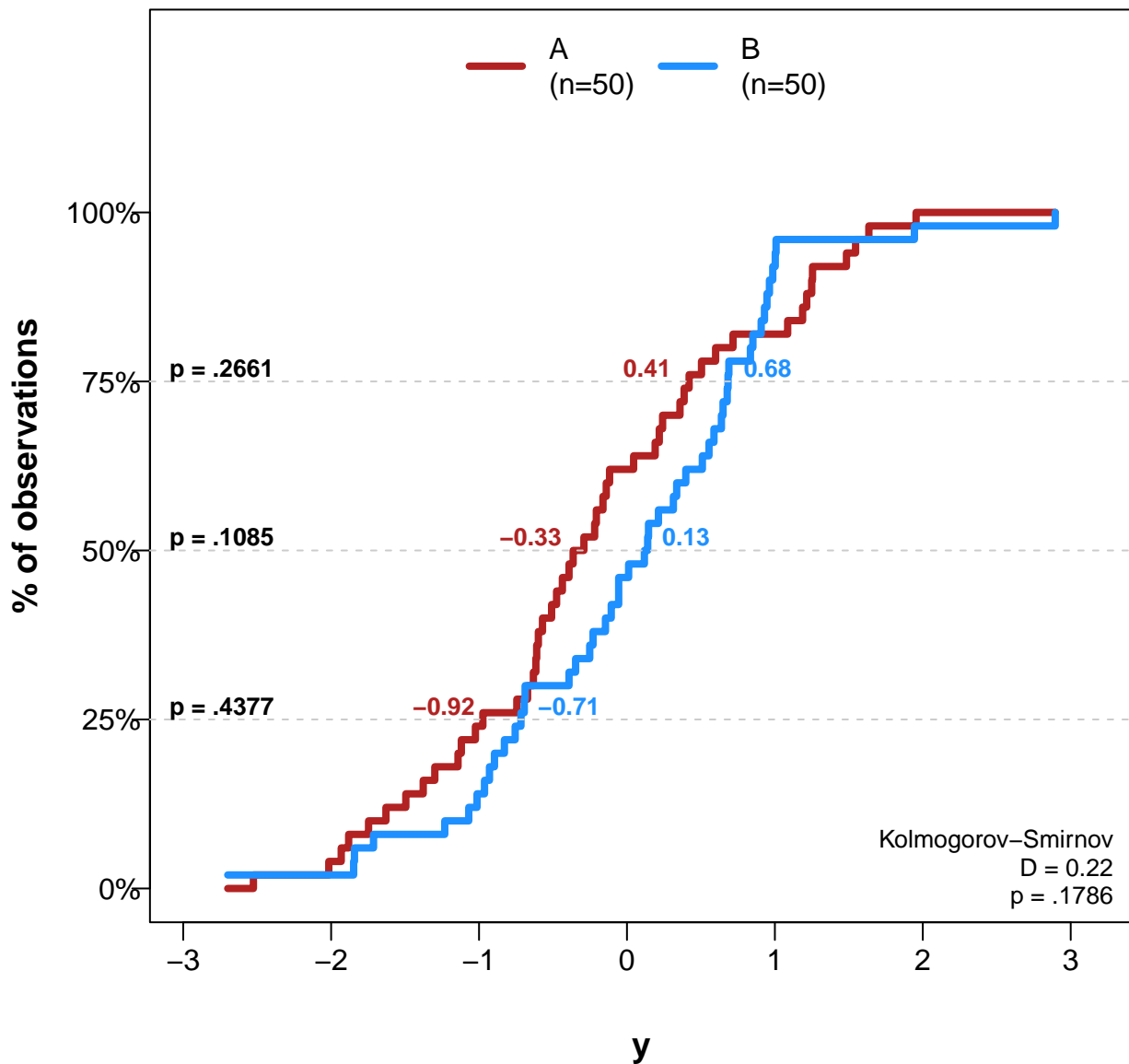
# Comparing Distribution of 'value' by 'group'



# Comparing Distribution of 'value' by 'group'

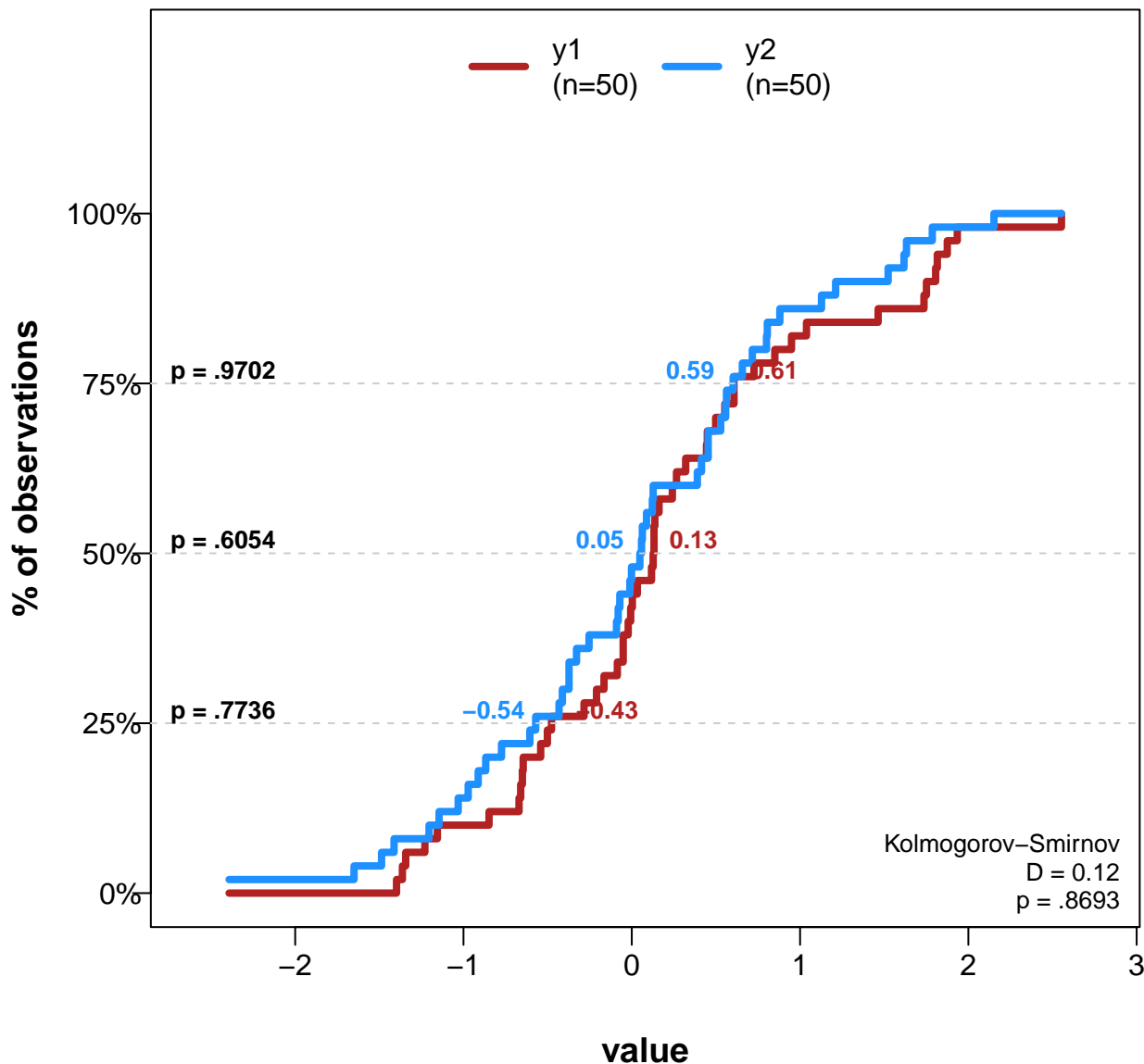


# Comparing Distribution of 'y' by 'group'

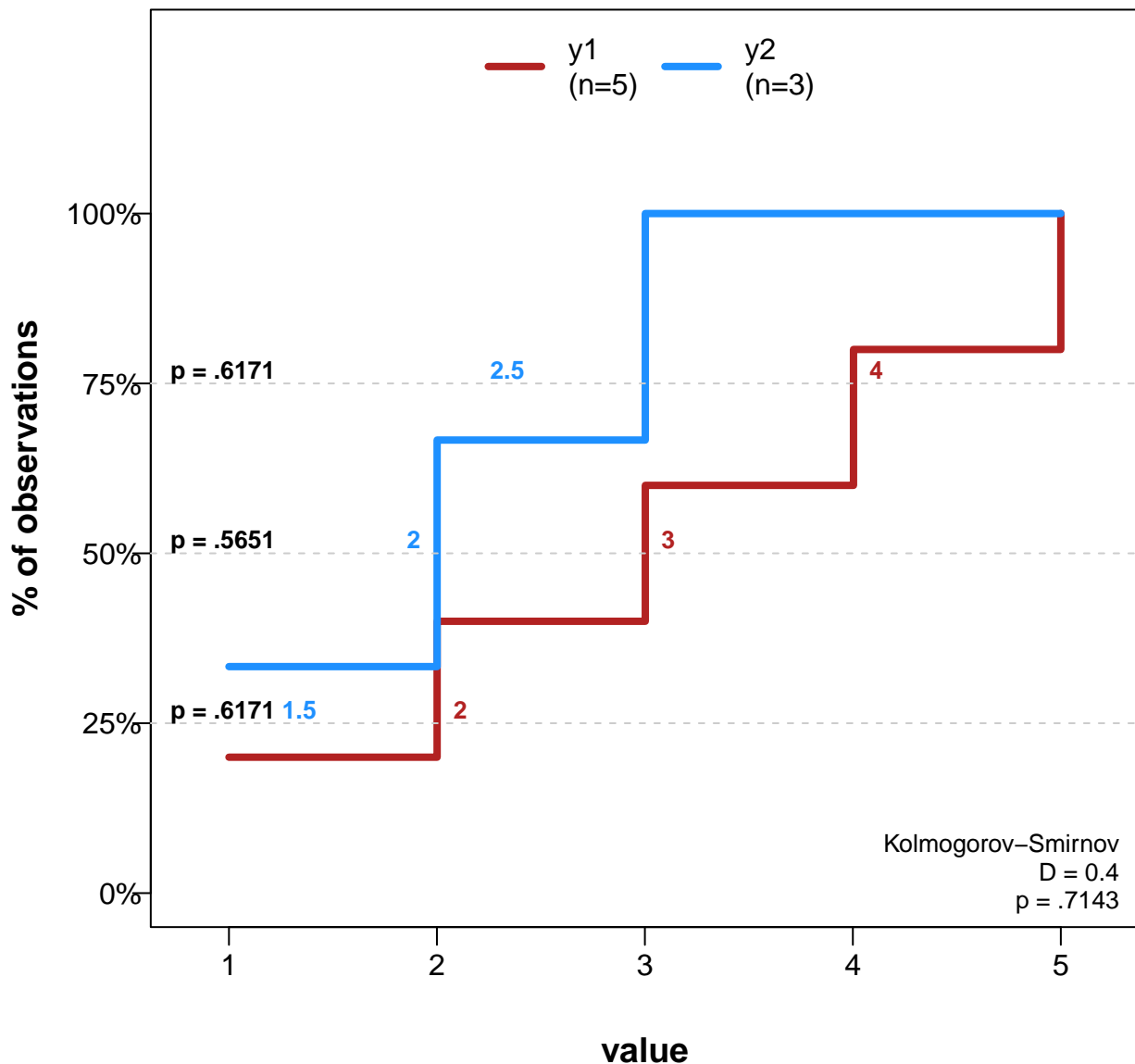




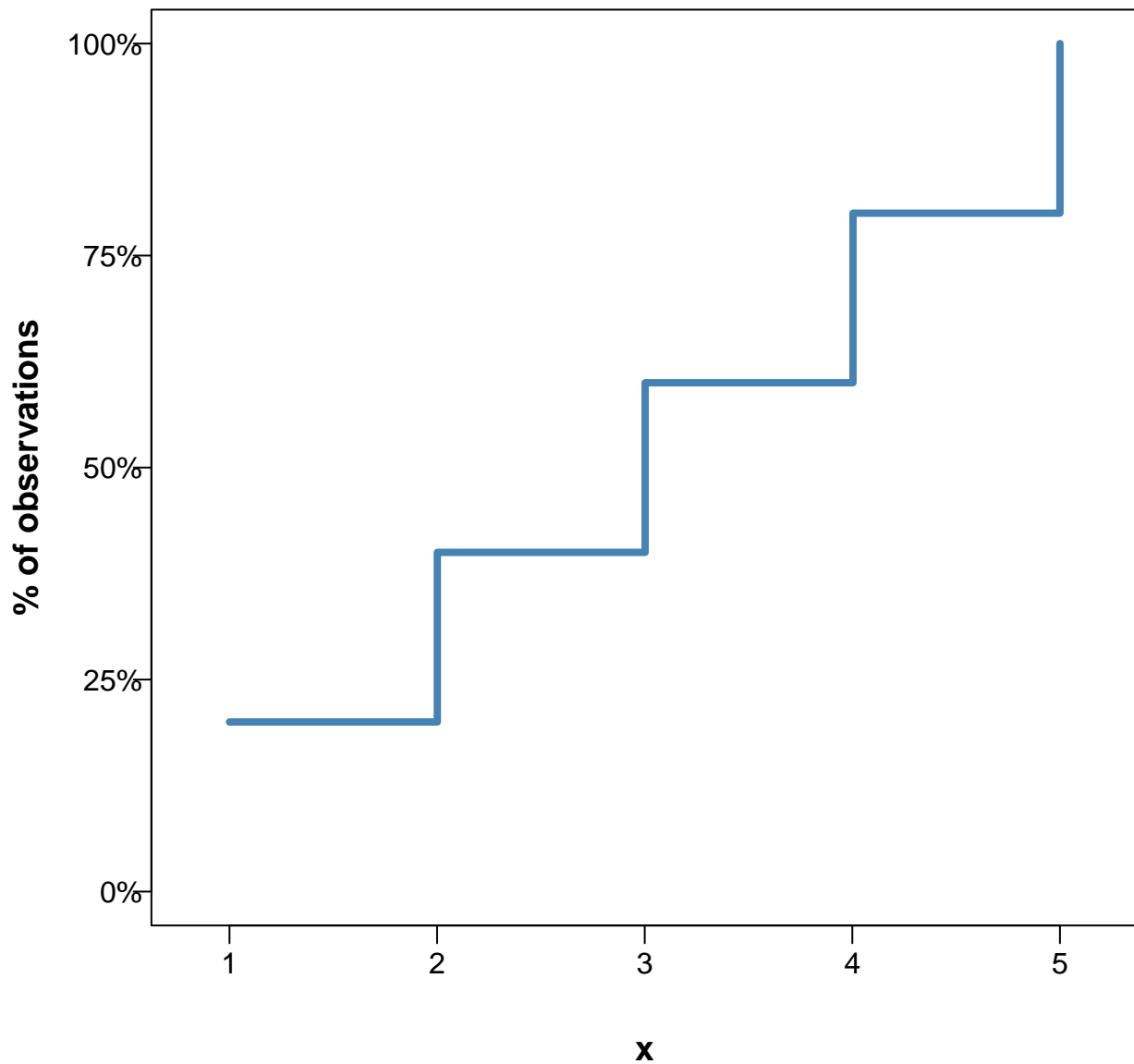
# Comparing Distribution of 'value' by 'group'



# Comparing Distribution of 'value' by 'group'

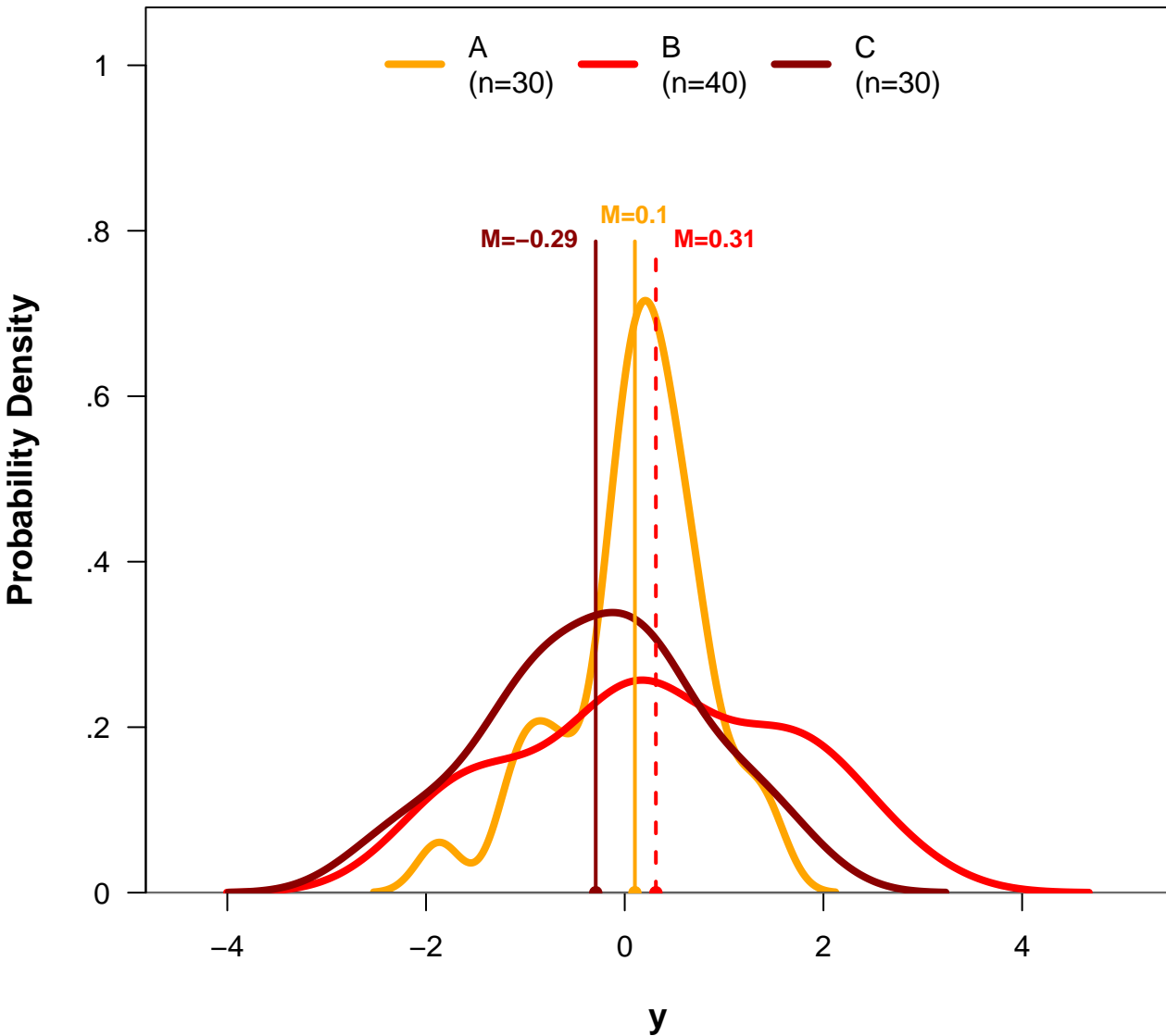


# Distribution of 'x'



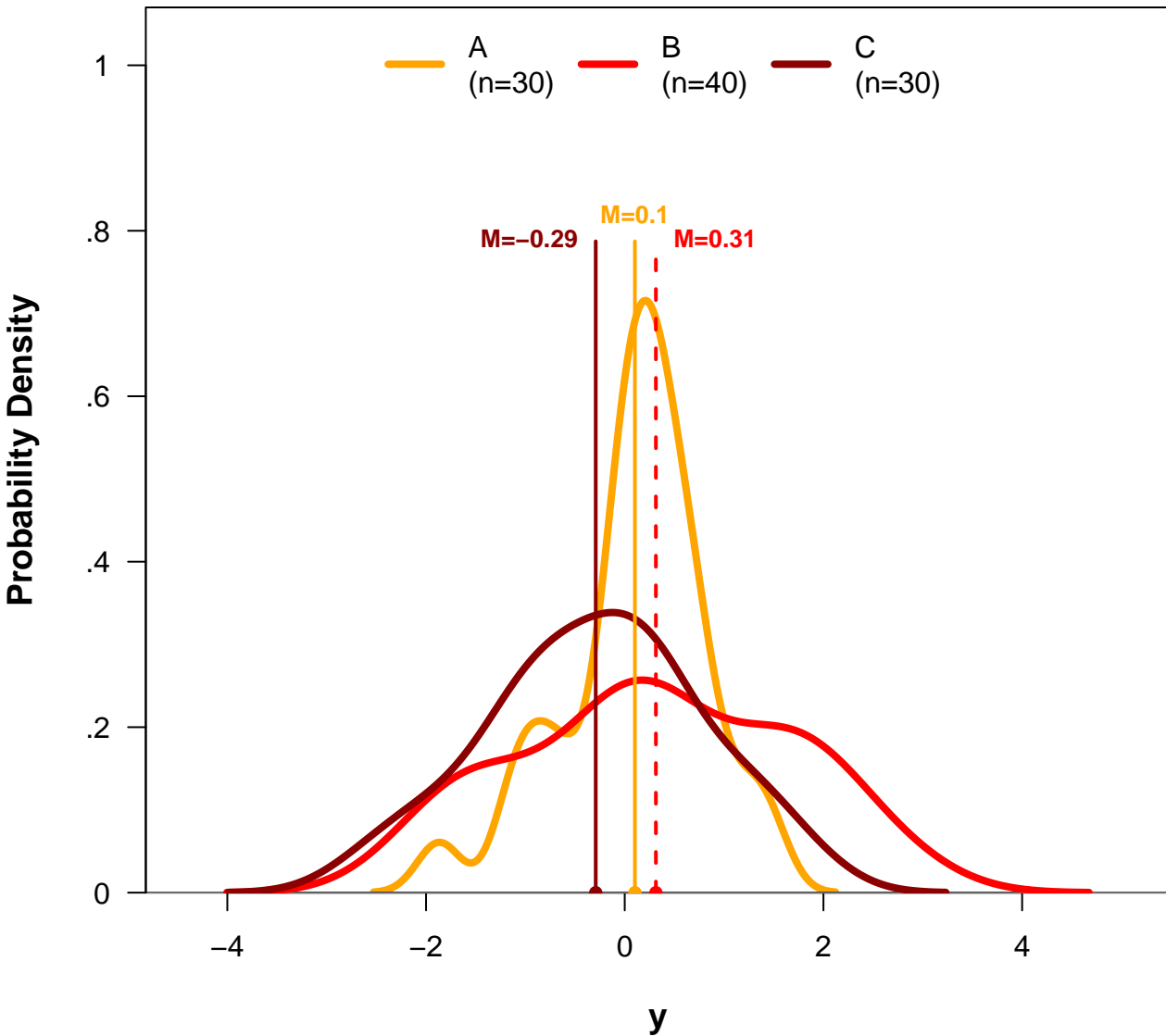
# Comparing Distribution of 'y' by 'group'

( $n=100$ )



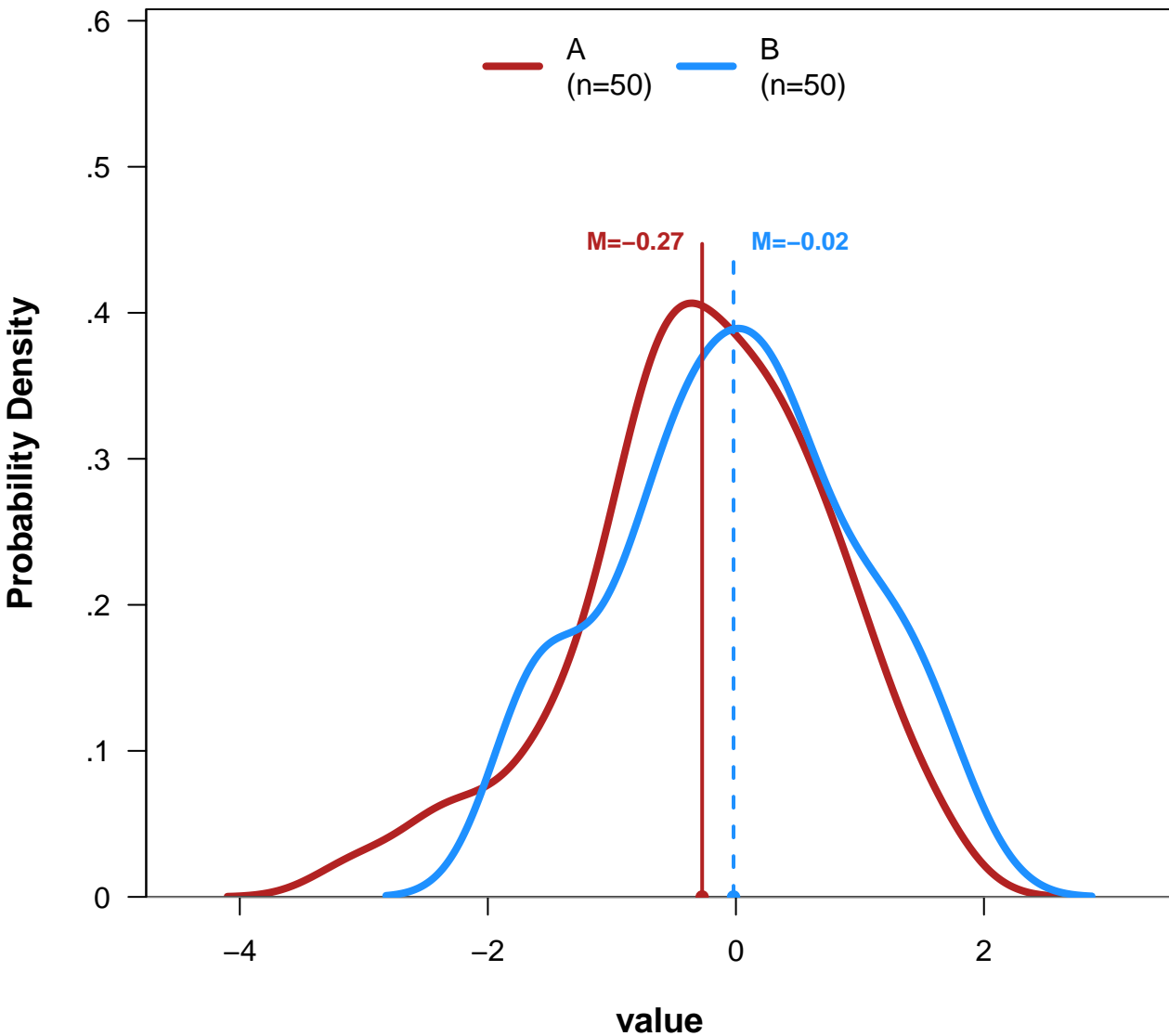
# Comparing Distribution of 'y' by 'group'

( $n=100$ )



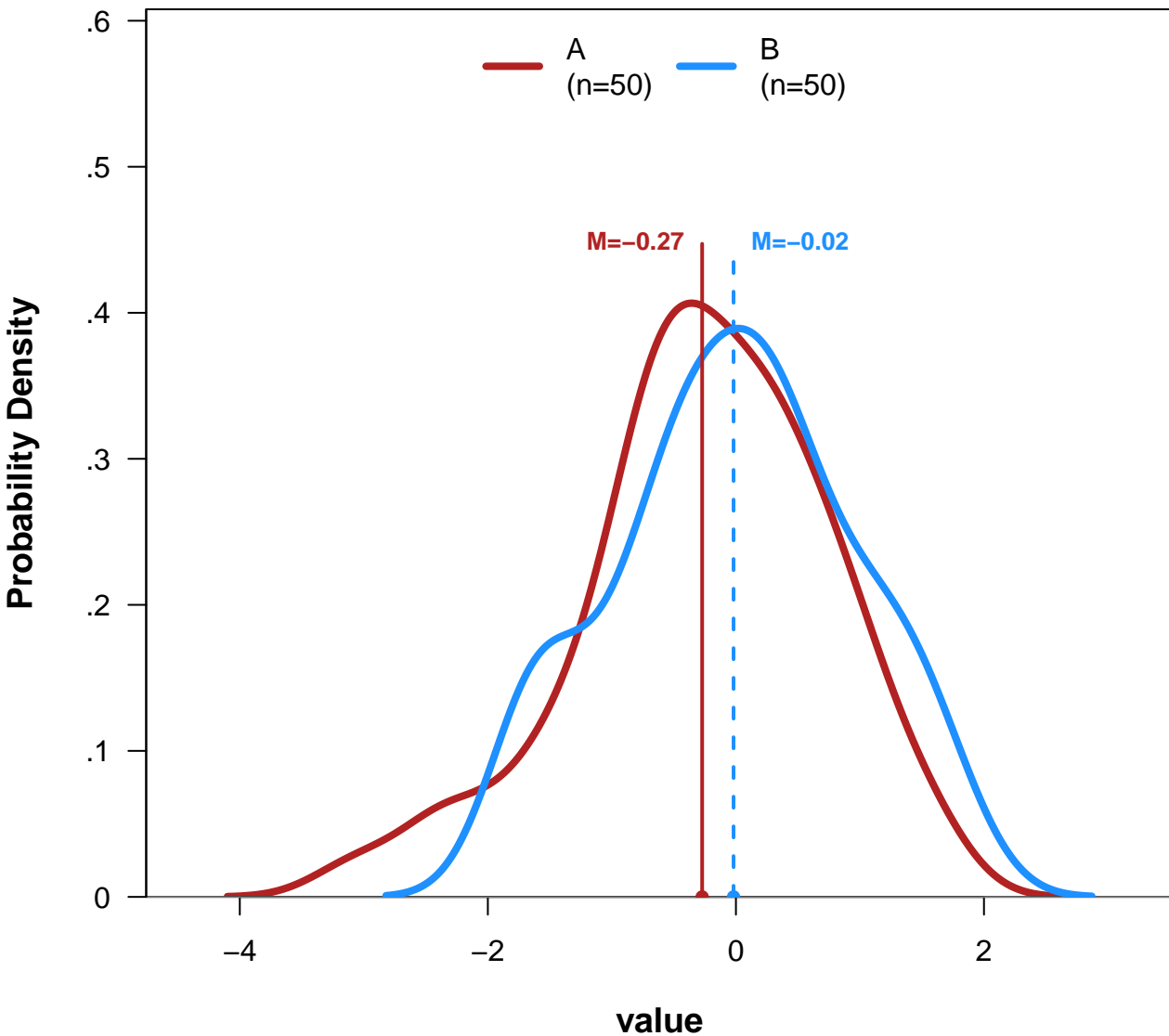
# Comparing Distribution of 'value' by 'group'

( $n=100$ )



# Comparing Distribution of 'value' by 'group'

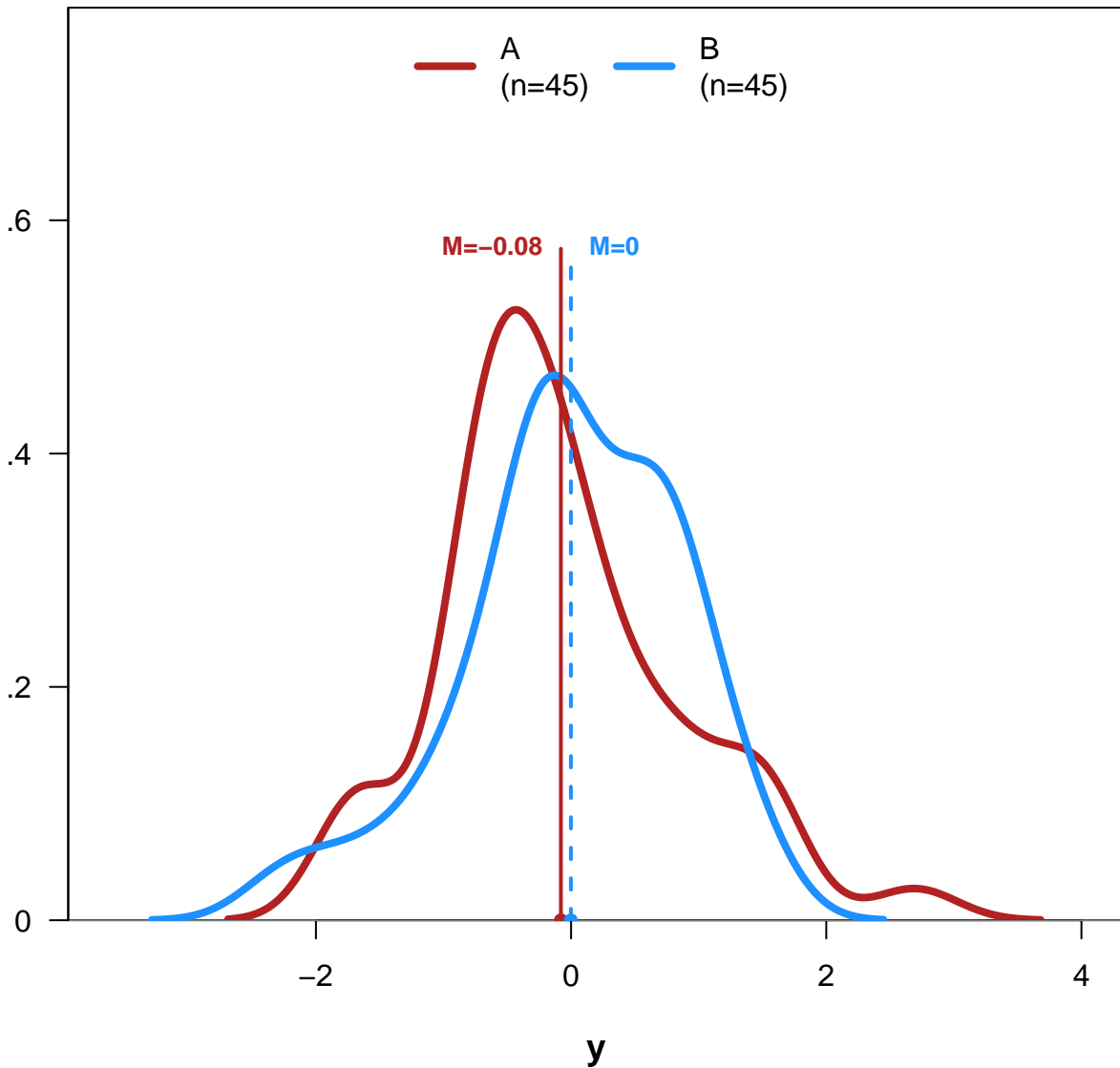
( $n=100$ )



# Comparing Distribution of 'y' by 'group'

(n=90)

Probability Density

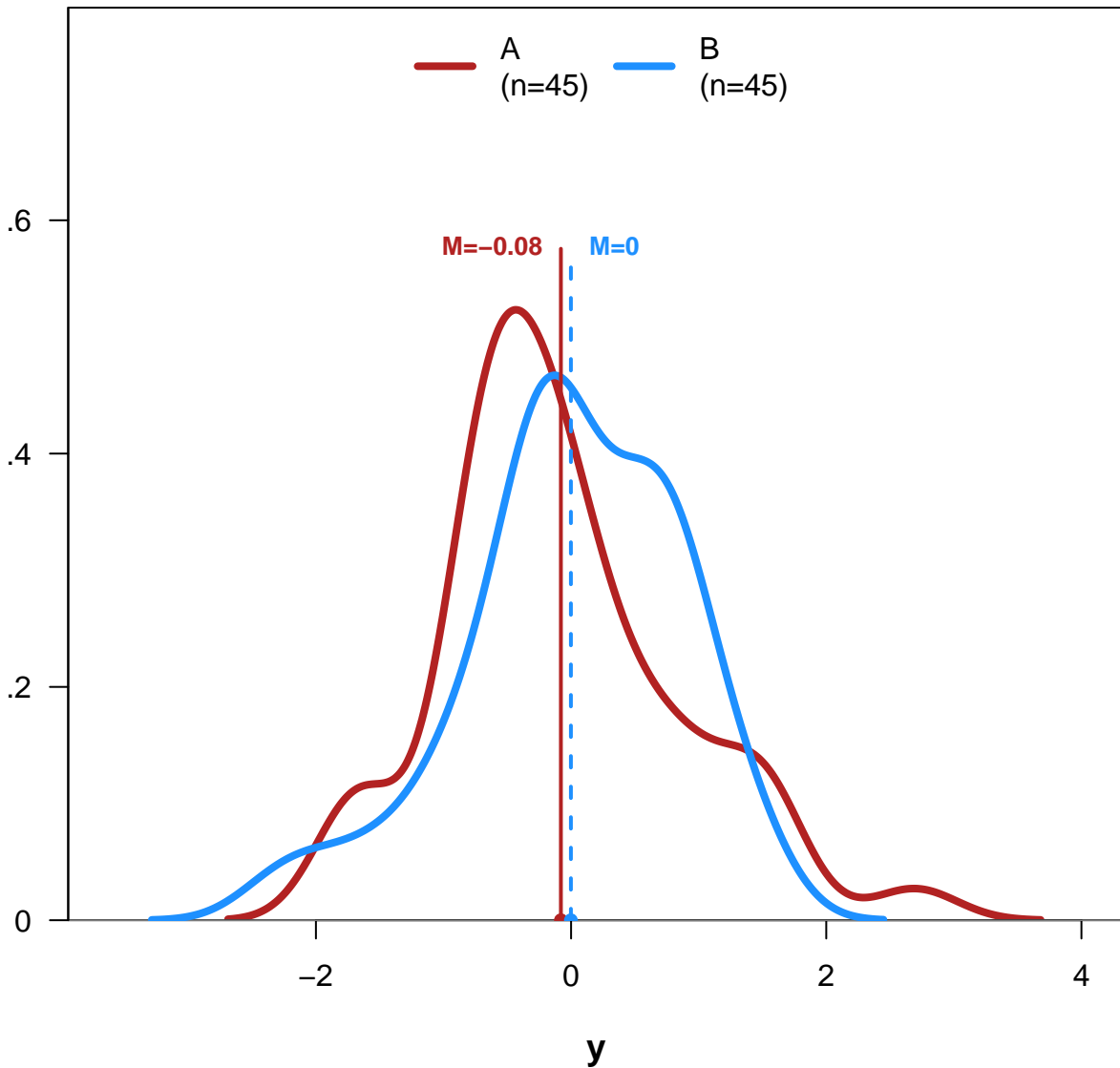




# Comparing Distribution of 'y' by 'group'

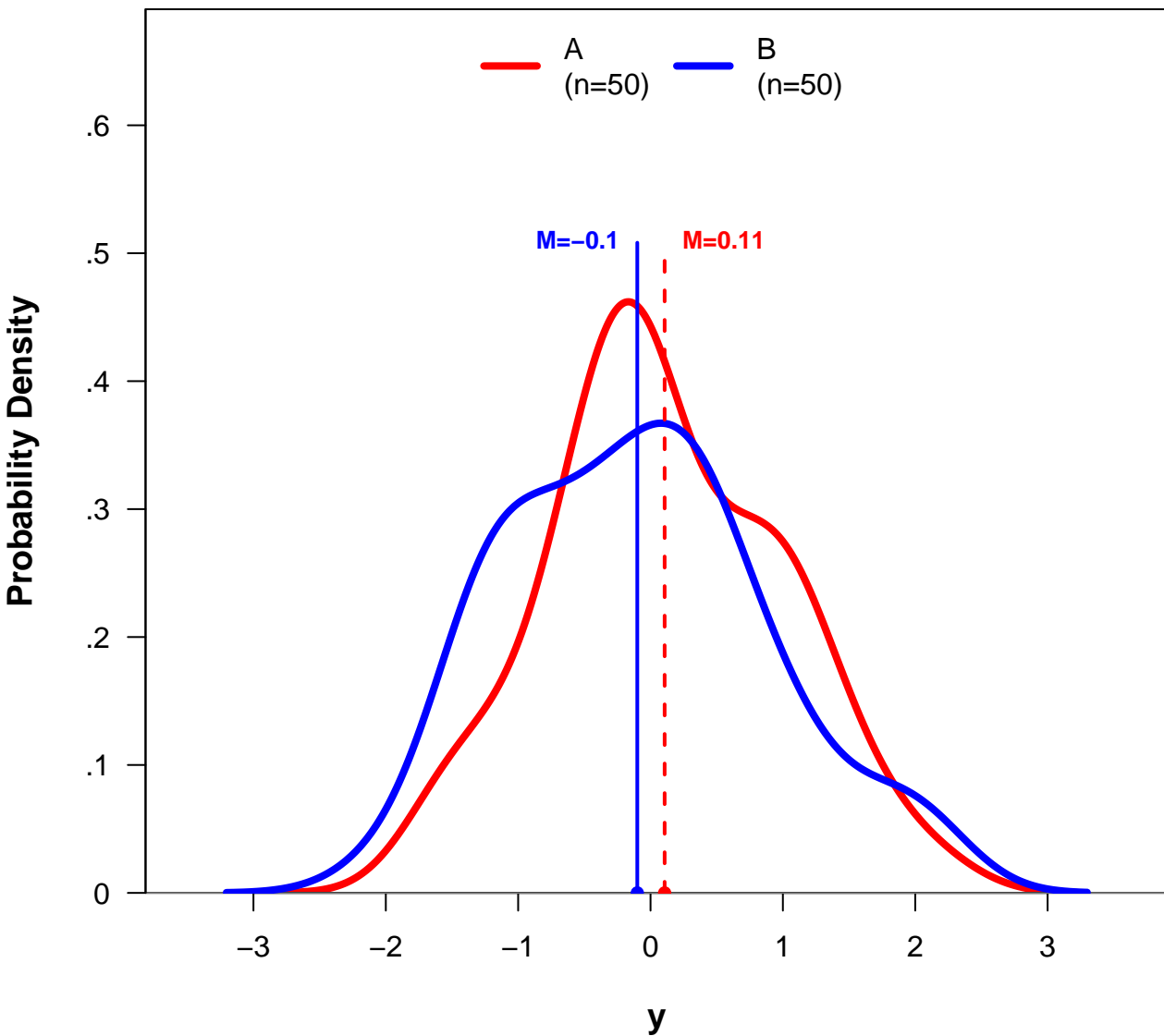
(n=90)

Probability Density



# Comparing Distribution of 'y' by 'group'

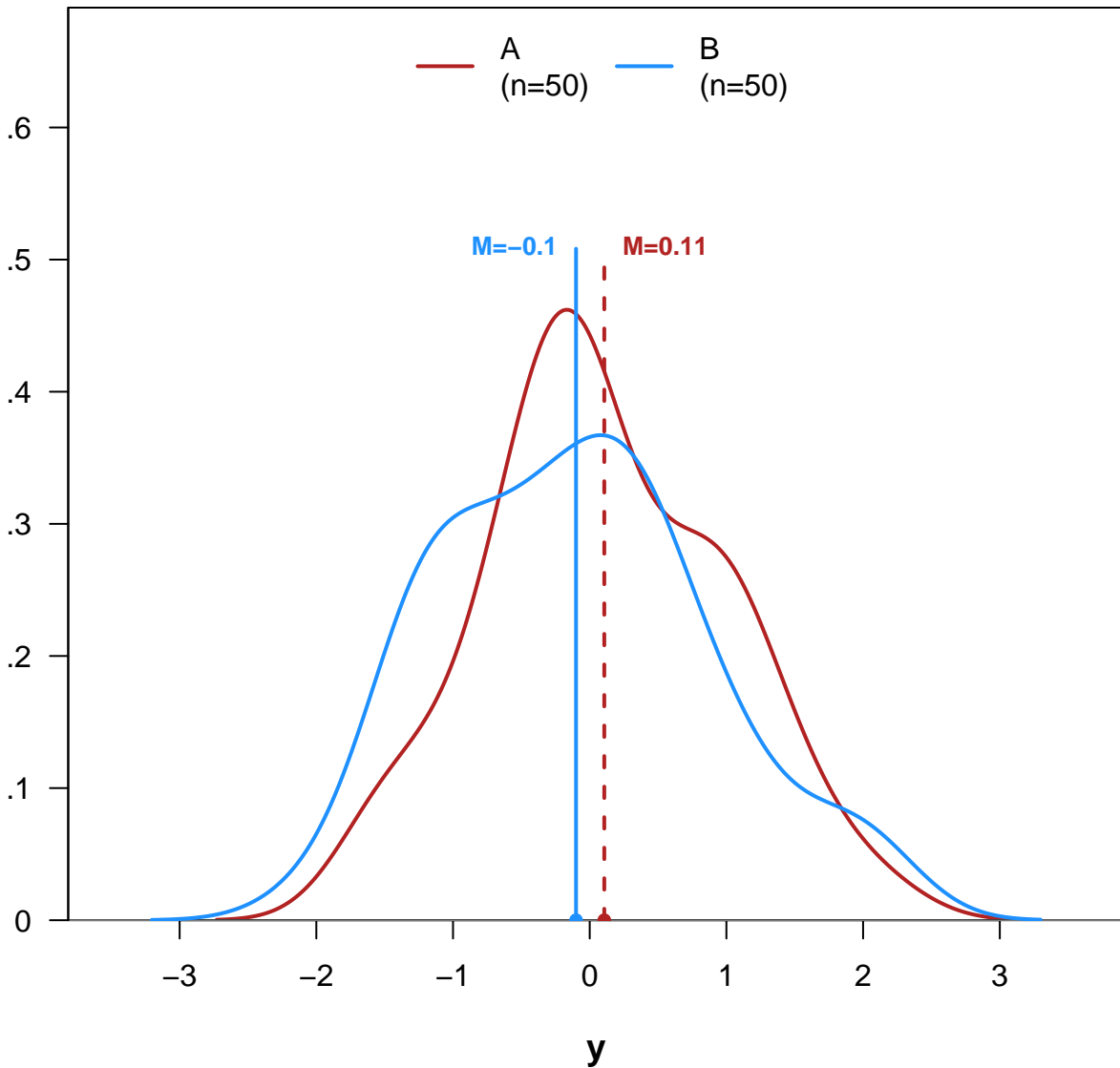
( $n=100$ )



# Comparing Distribution of 'y' by 'group'

( $n=100$ )

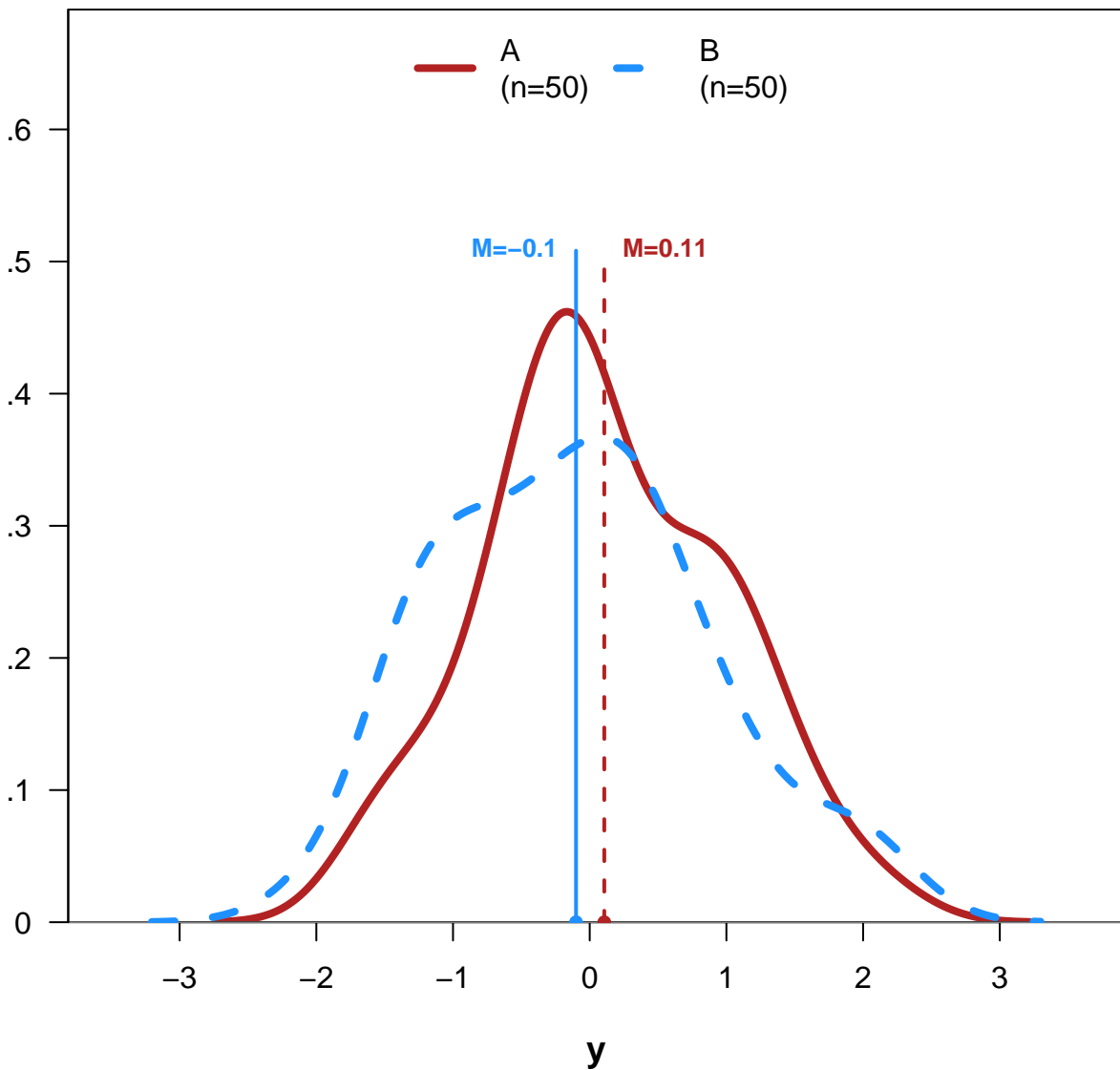
Probability Density



# Comparing Distribution of 'y' by 'group'

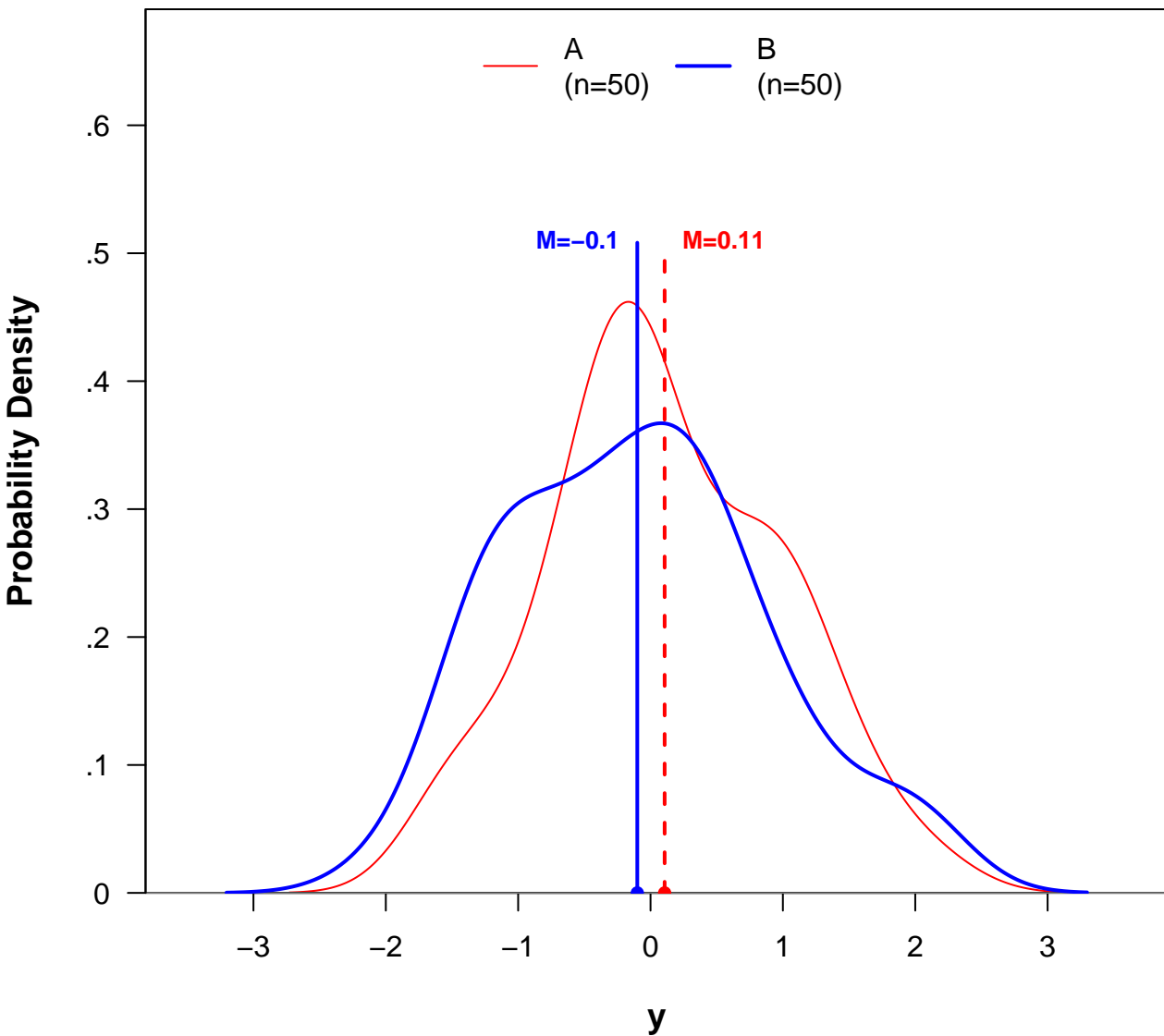
( $n=100$ )

Probability Density



# Comparing Distribution of 'y' by 'group'

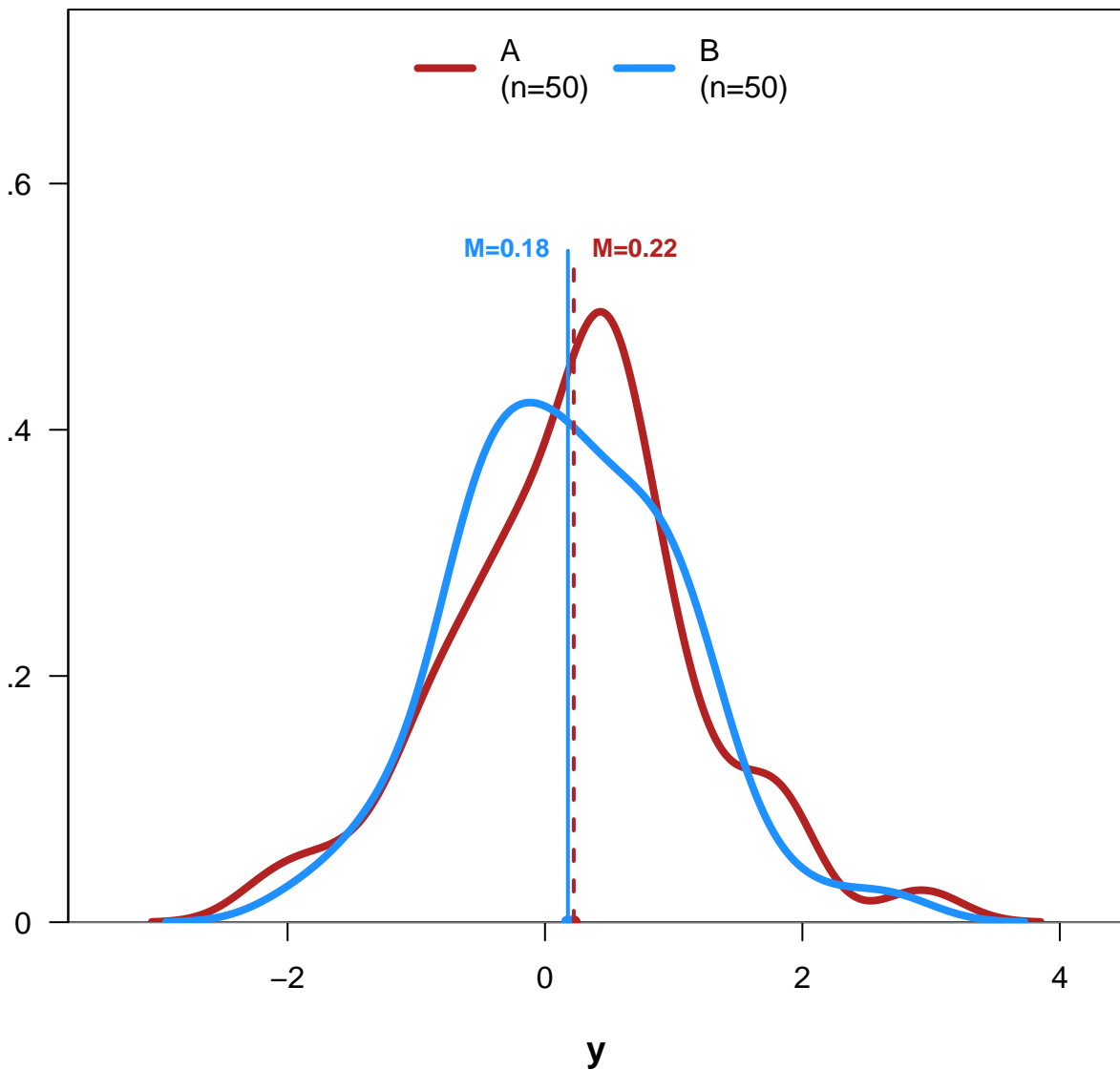
( $n=100$ )



# Comparing Distribution of 'y' by 'group'

(n=100)

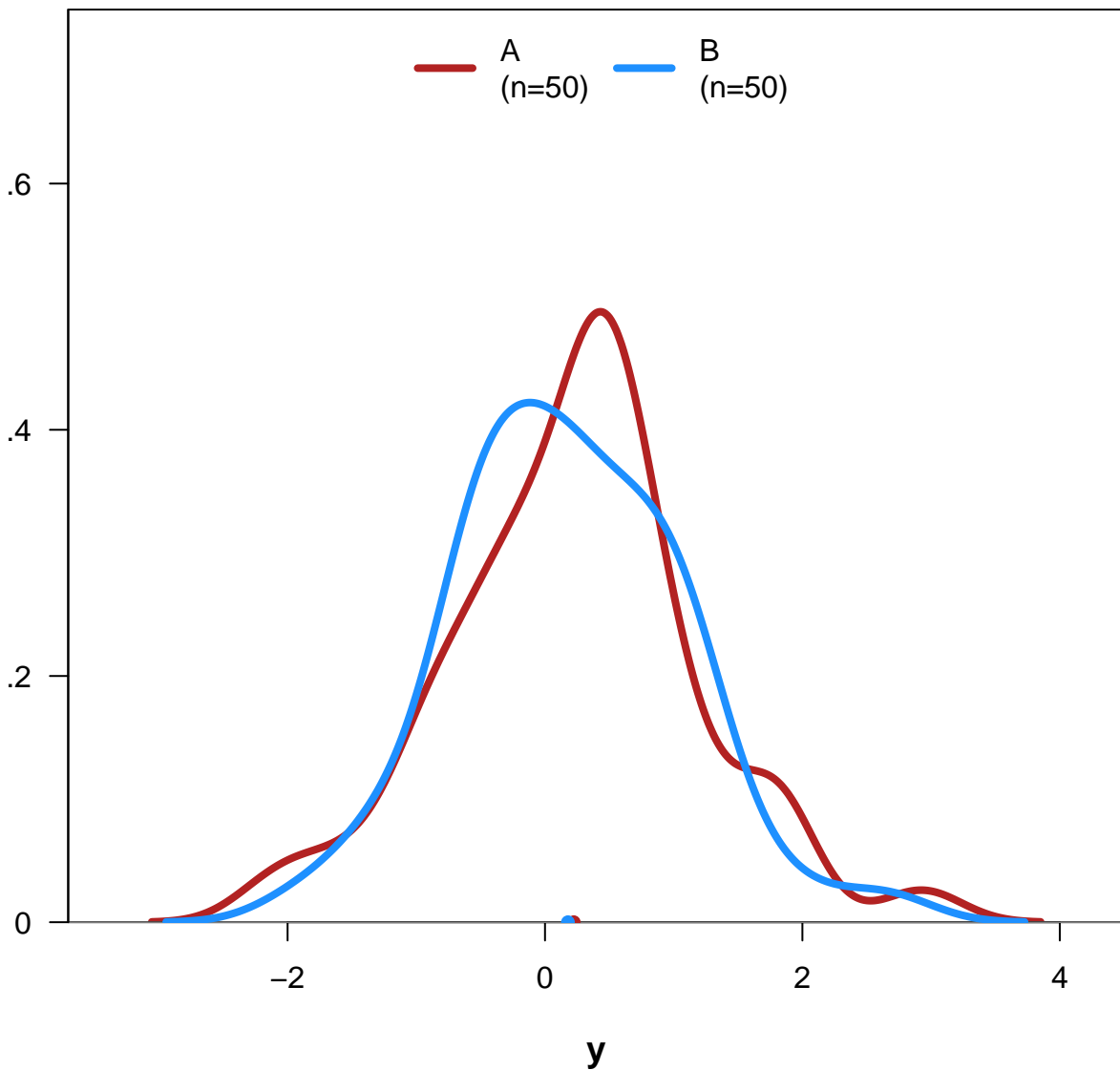
Probability Density



# Comparing Distribution of 'y' by 'group'

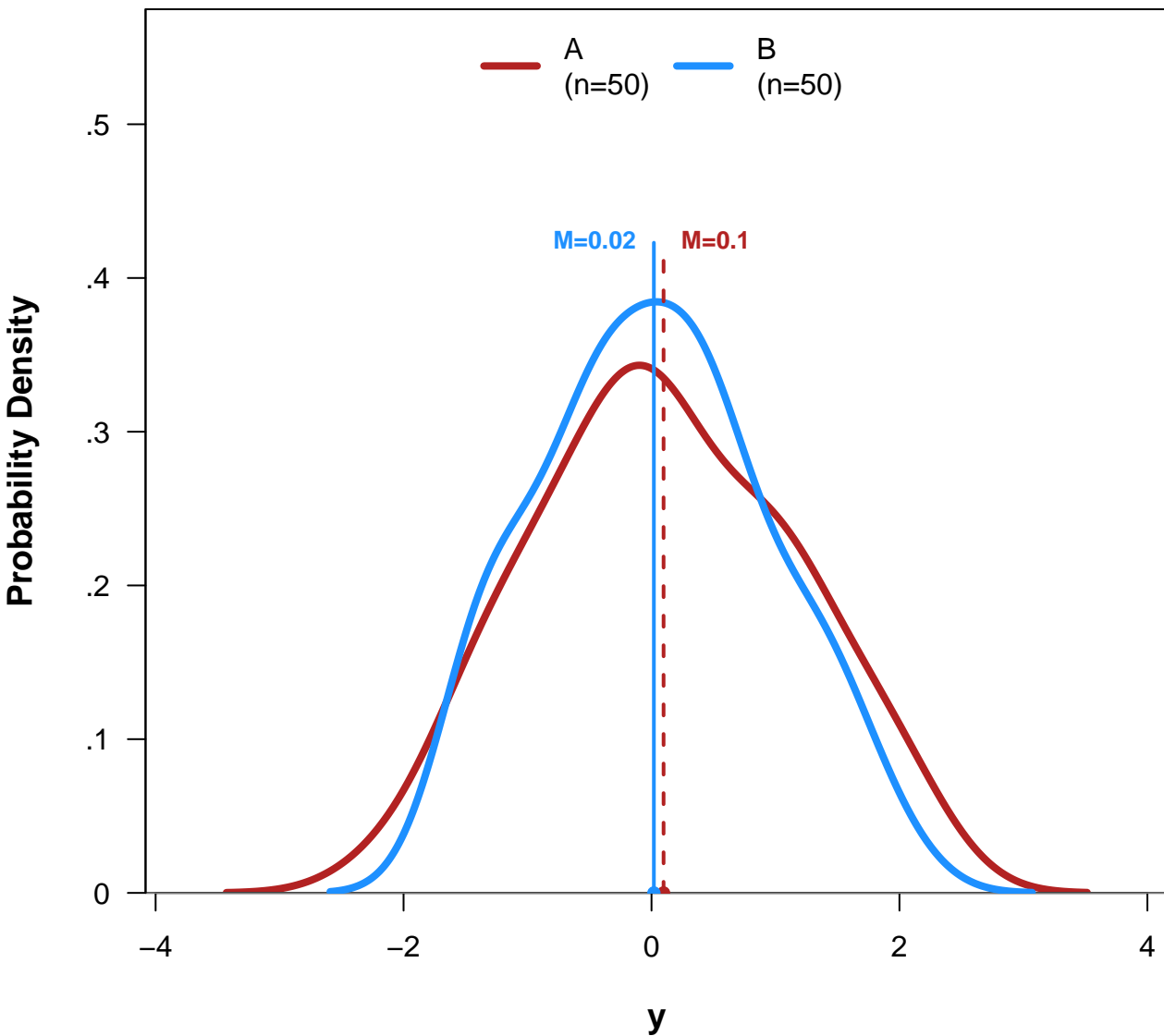
(n=100)

Probability Density



# Comparing Distribution of 'y' by 'group2'

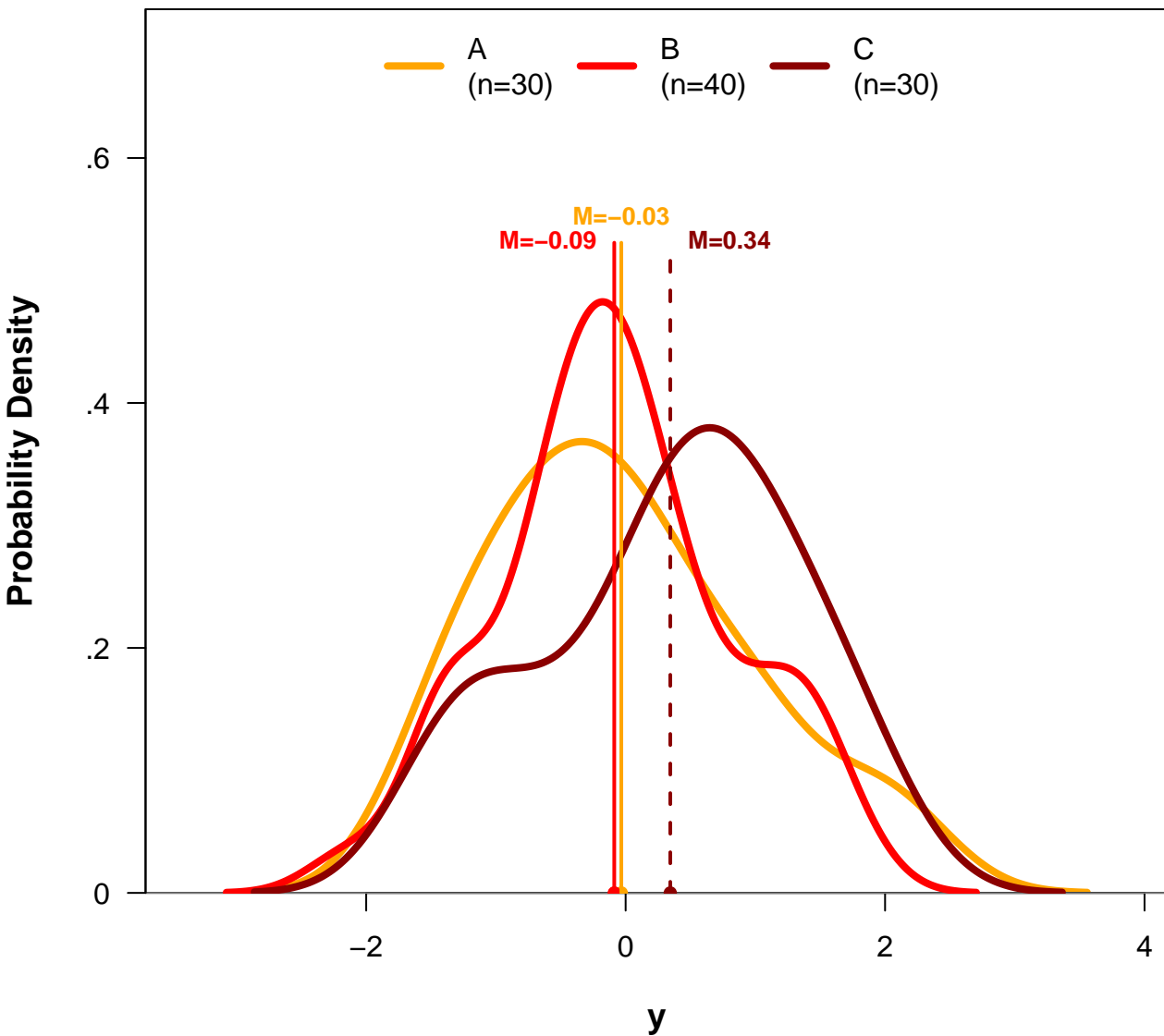
(n=100)





# Comparing Distribution of 'y' by 'group3'

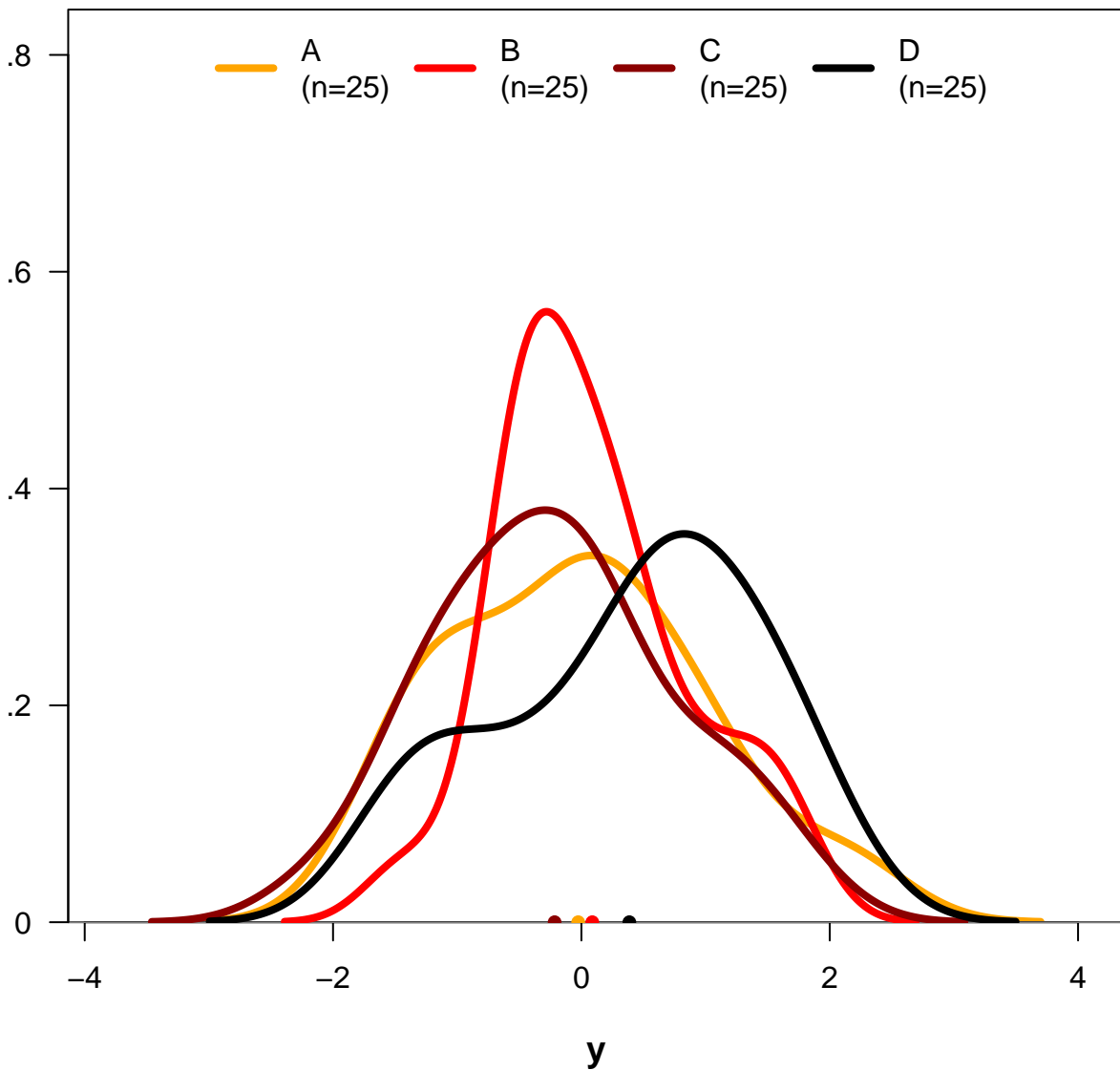
(n=100)



# Comparing Distribution of 'y' by 'group4'

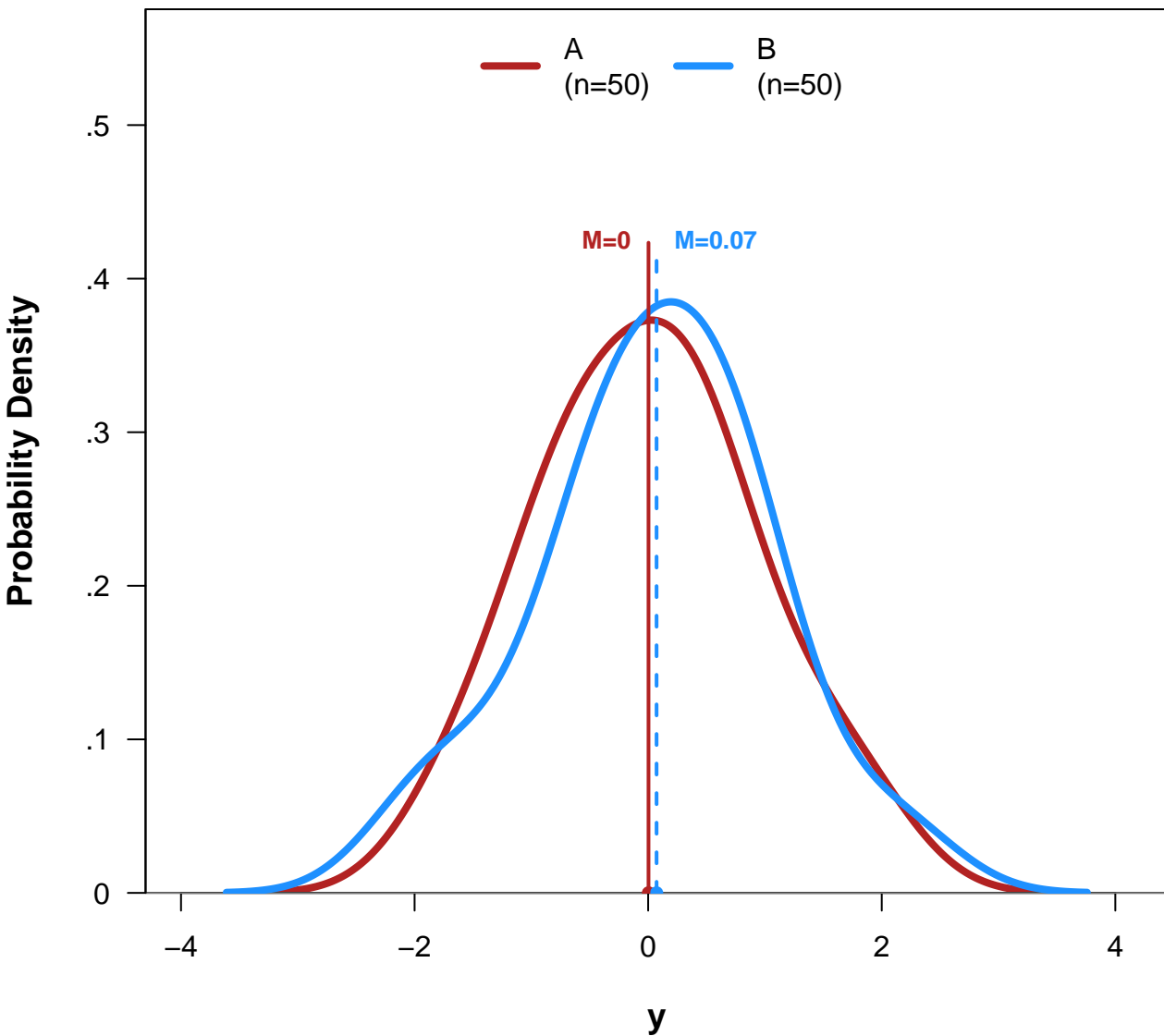
(n=100)

Probability Density



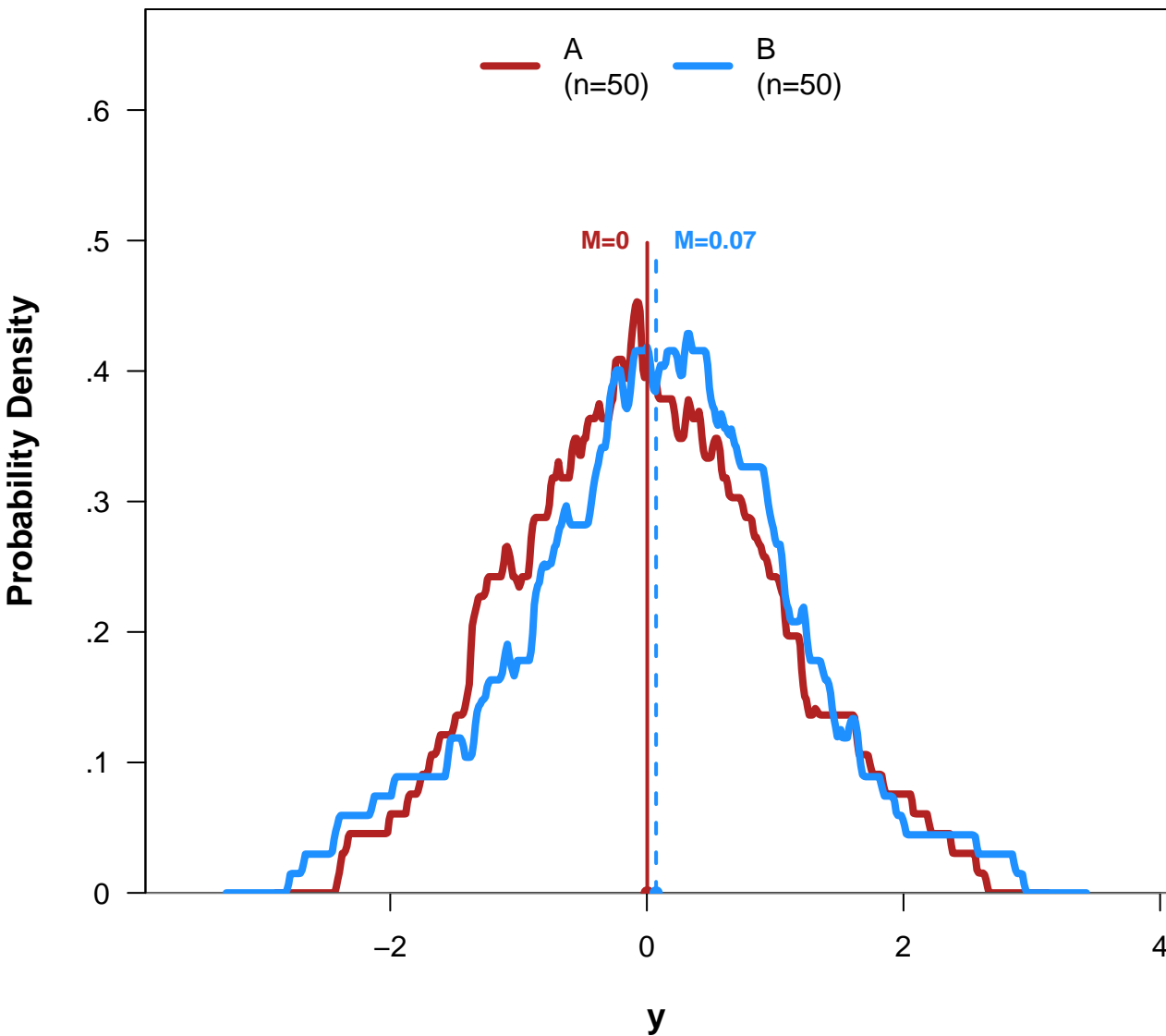
# Comparing Distribution of 'y' by 'group'

( $n=100$ )



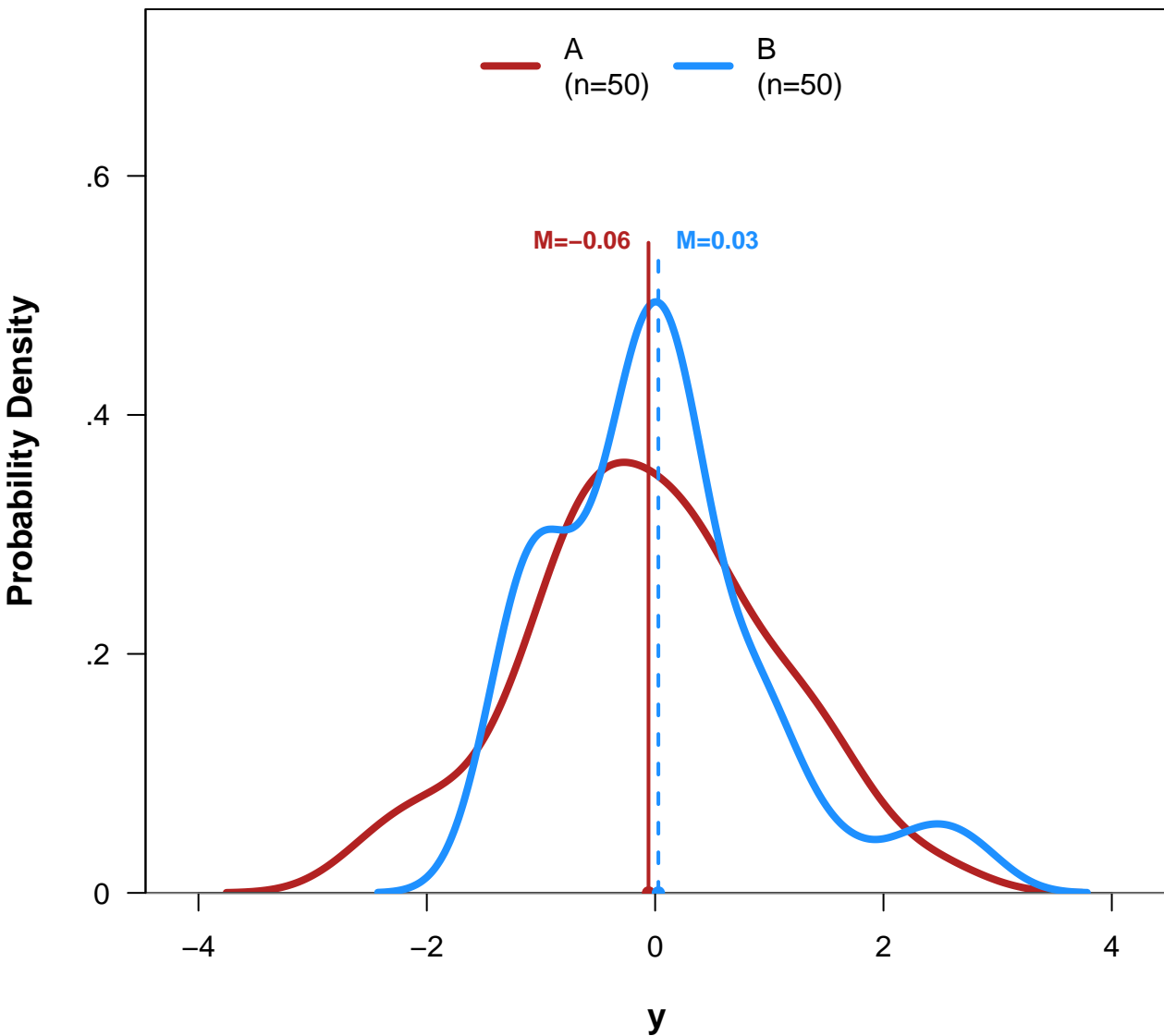
# Comparing Distribution of 'y' by 'group'

( $n=100$ )



# Comparing Distribution of 'y' by 'group'

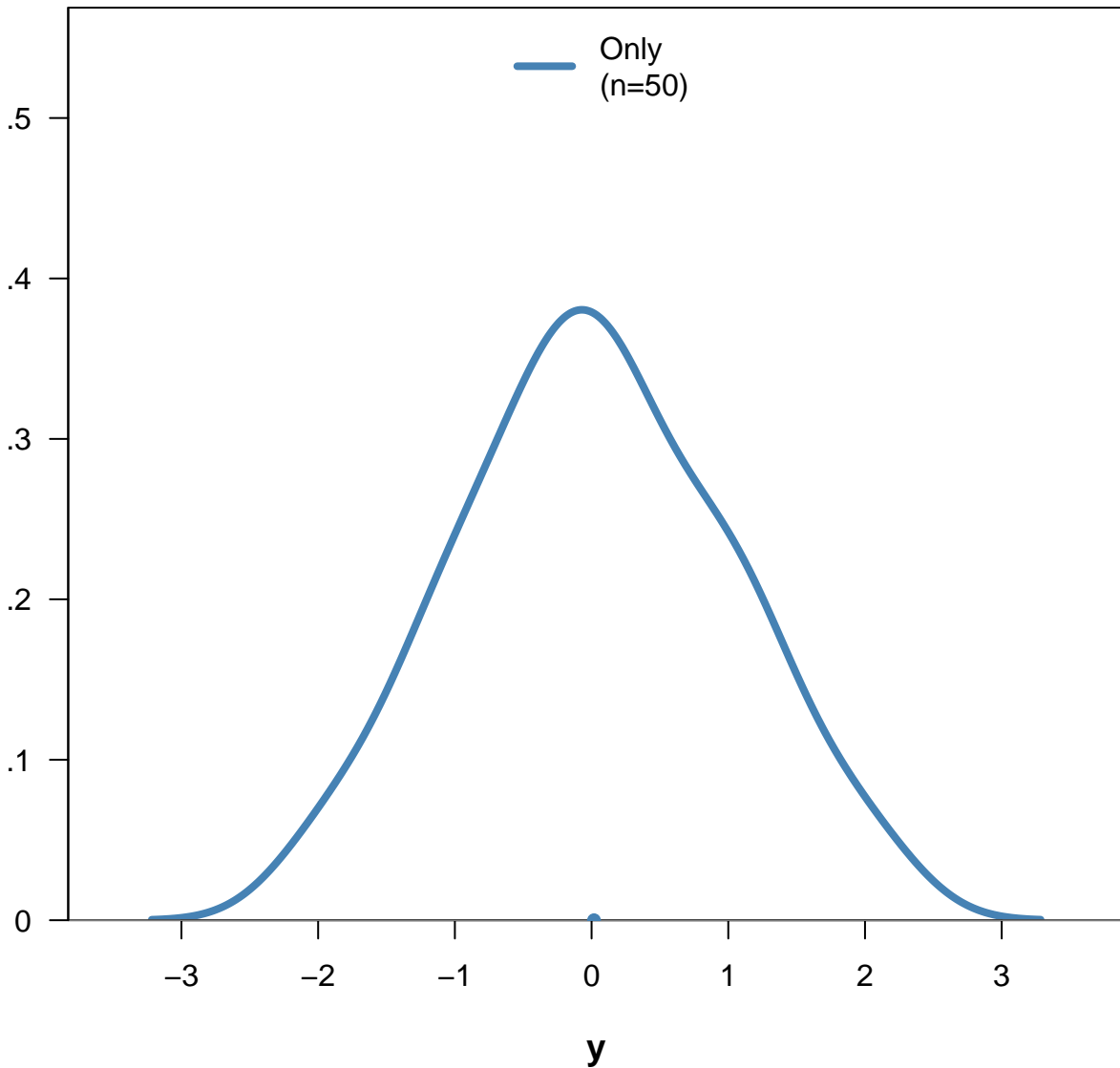
(n=100)



# Comparing Distribution of 'y' by 'group'

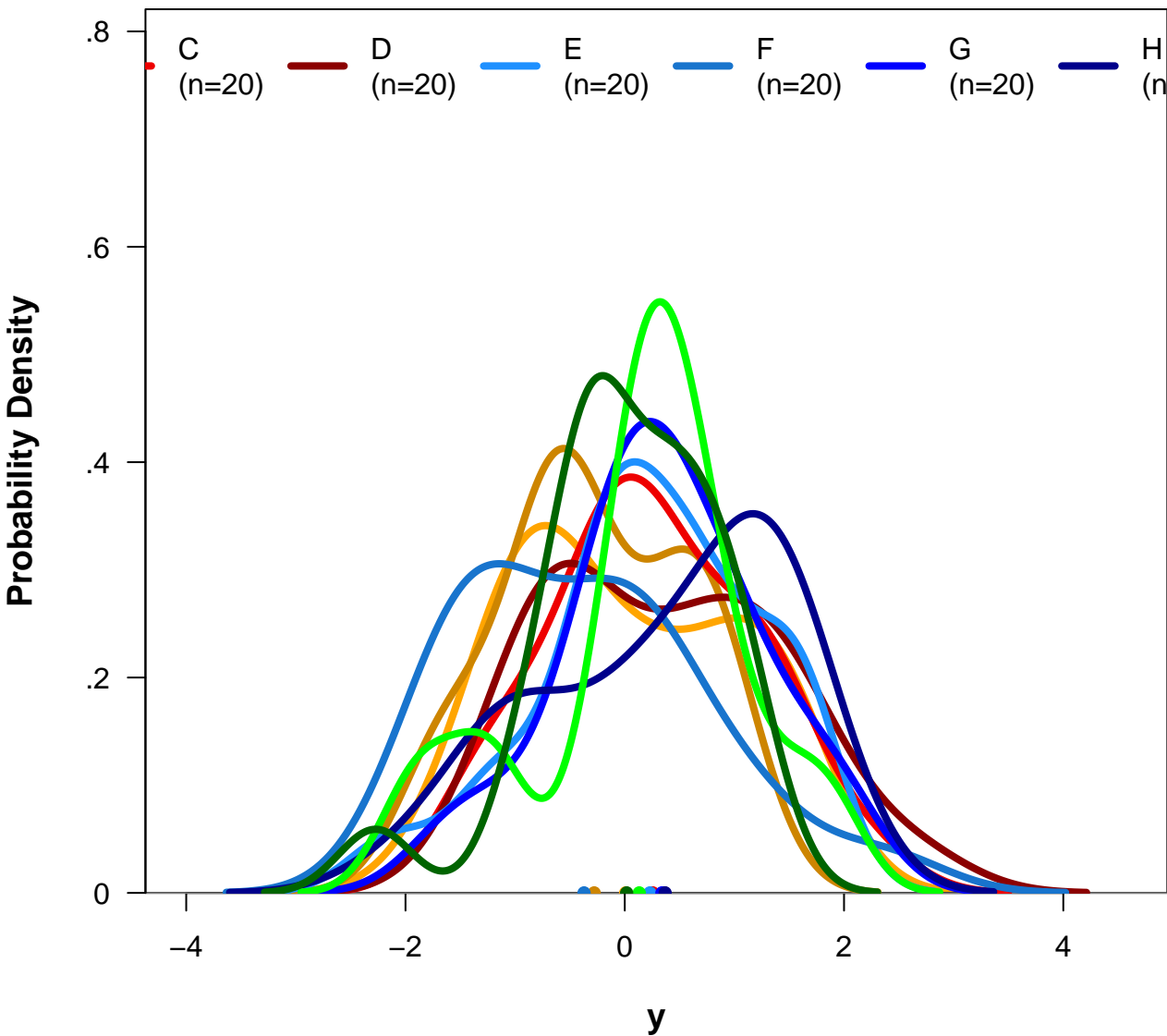
(n=50)

Probability Density



# Comparing Distribution of 'y' by 'group'

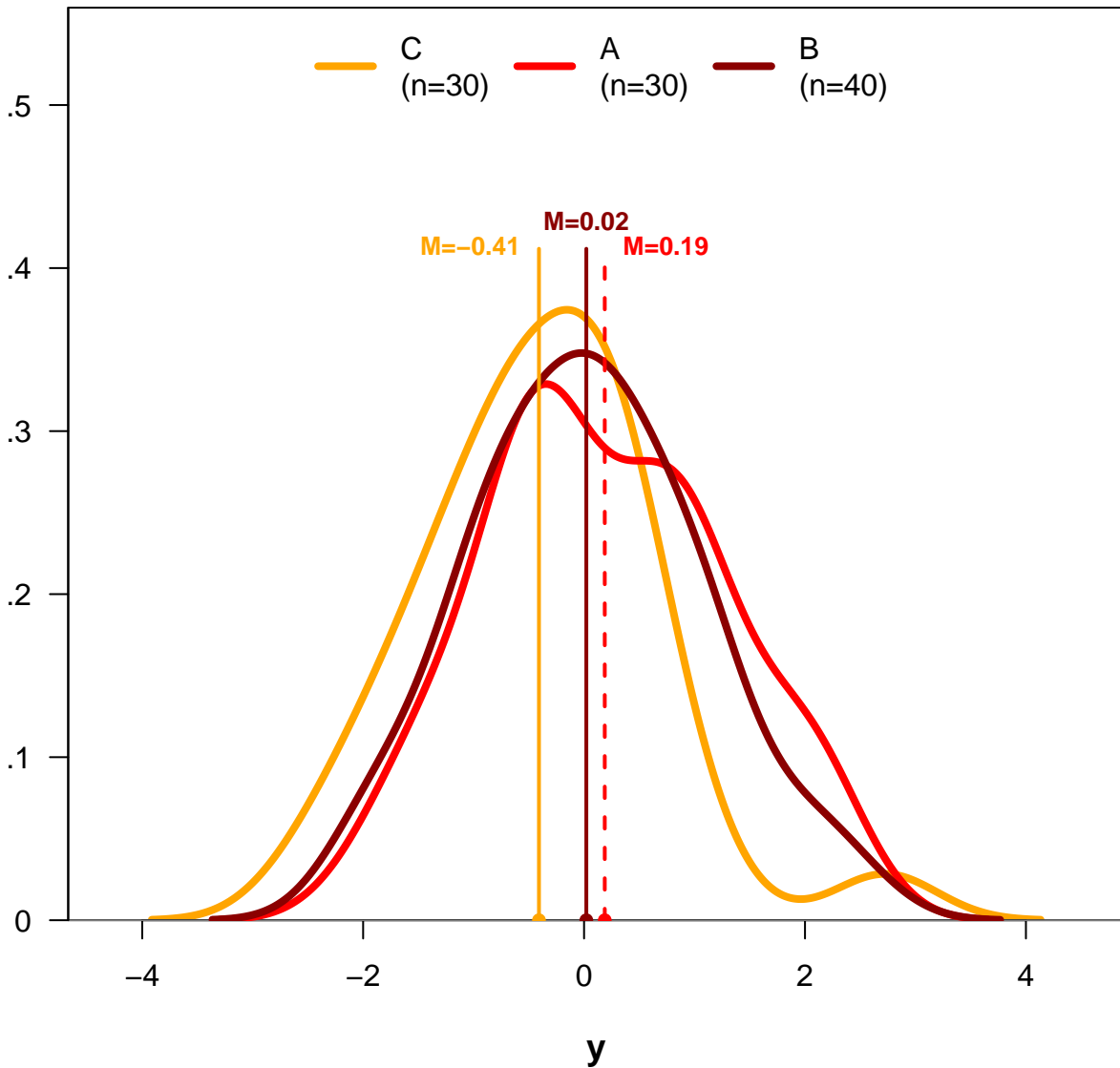
(n=200)



# Comparing Distribution of 'y' by 'group'

(n=100)

Probability Density

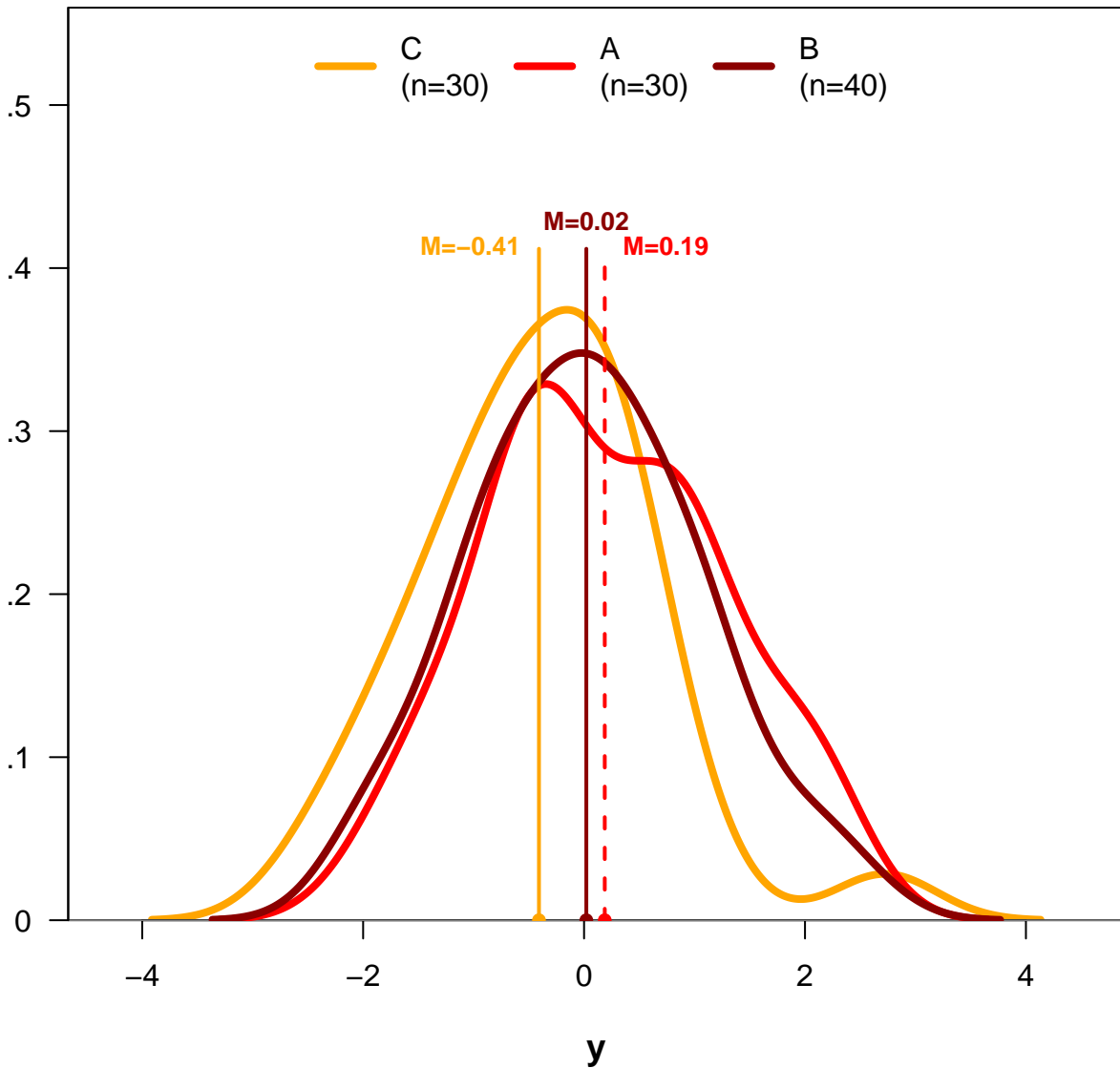




# Comparing Distribution of 'y' by 'group'

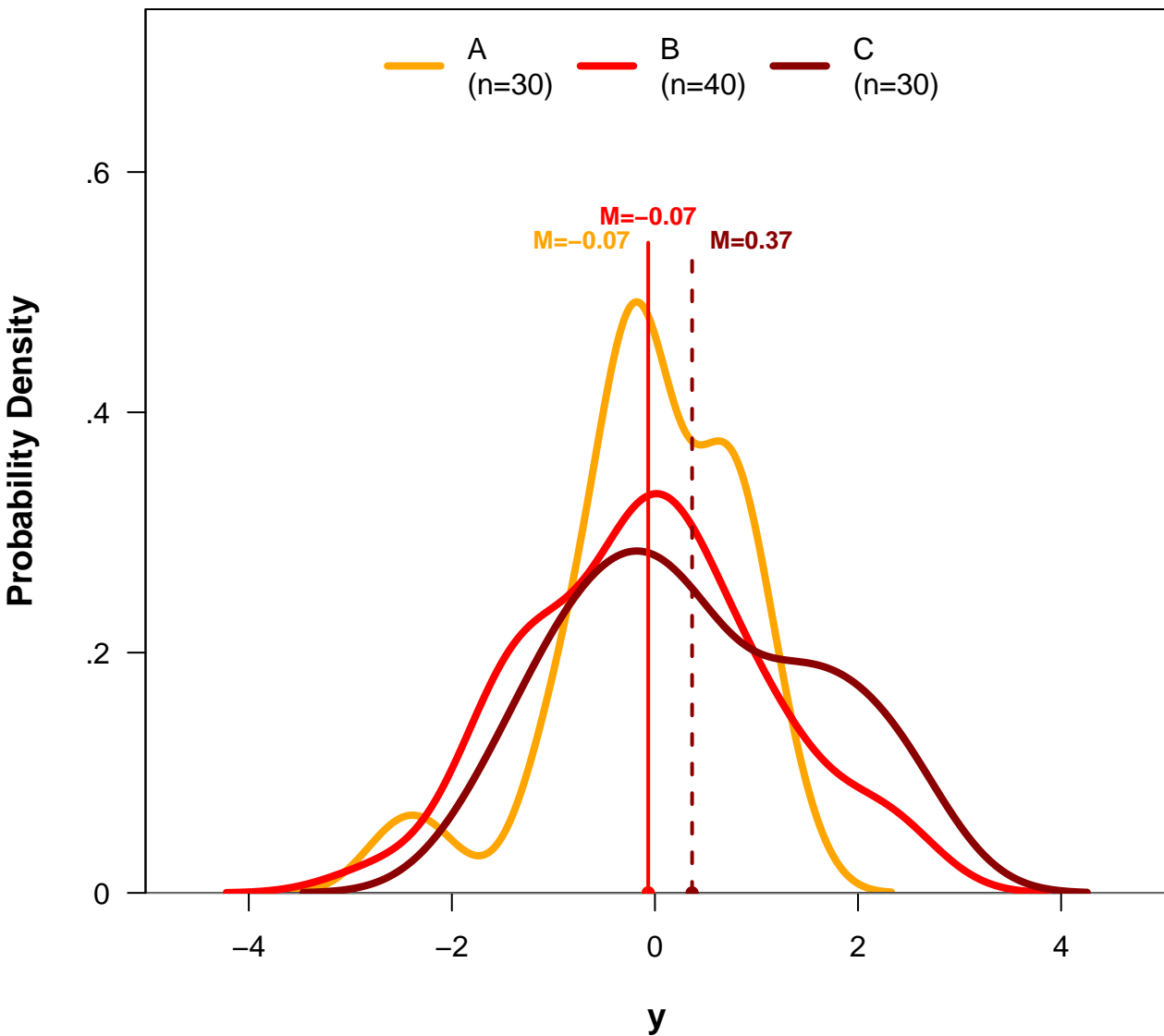
(n=100)

Probability Density



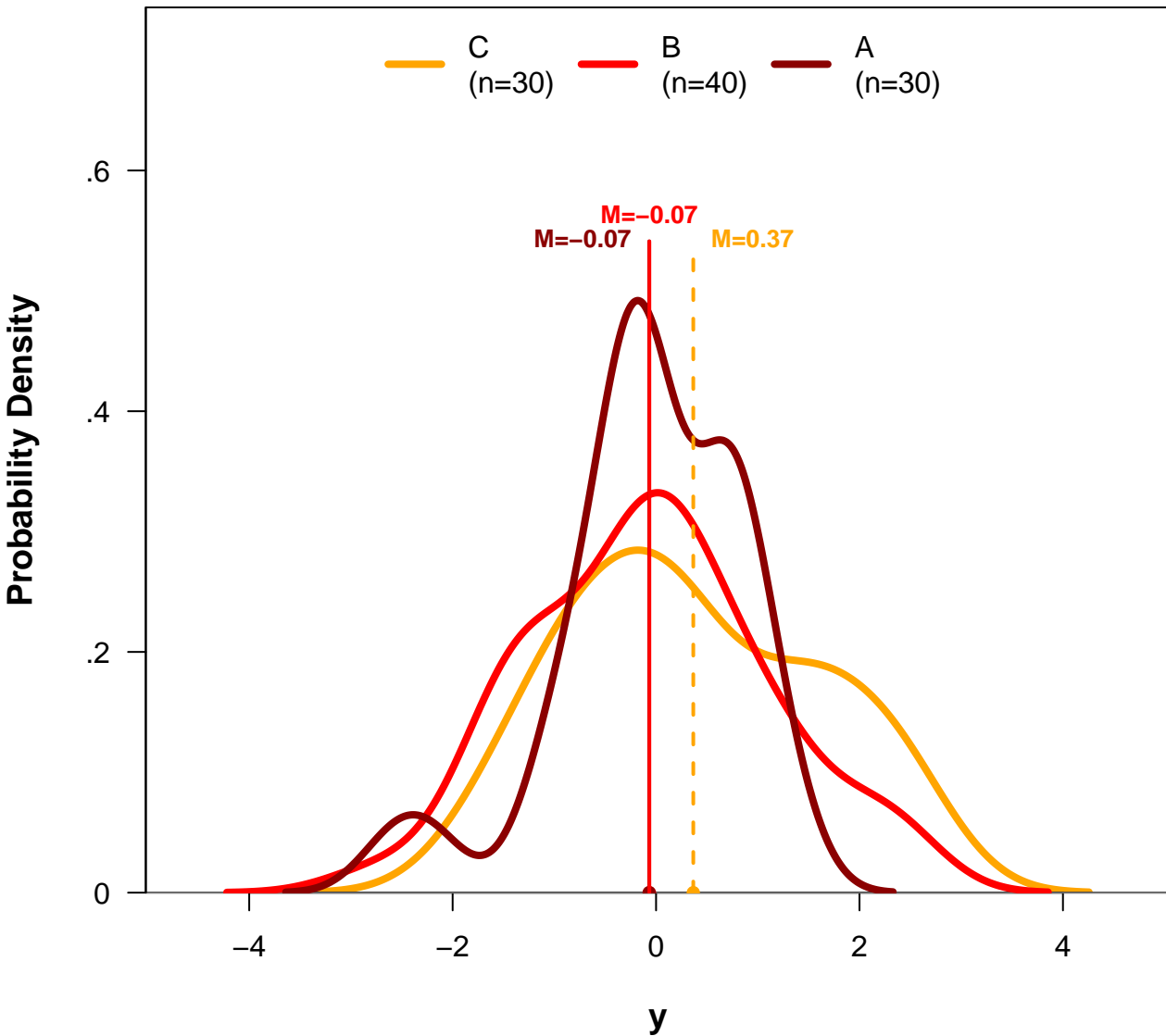
# Comparing Distribution of 'y' by 'group'

( $n=100$ )



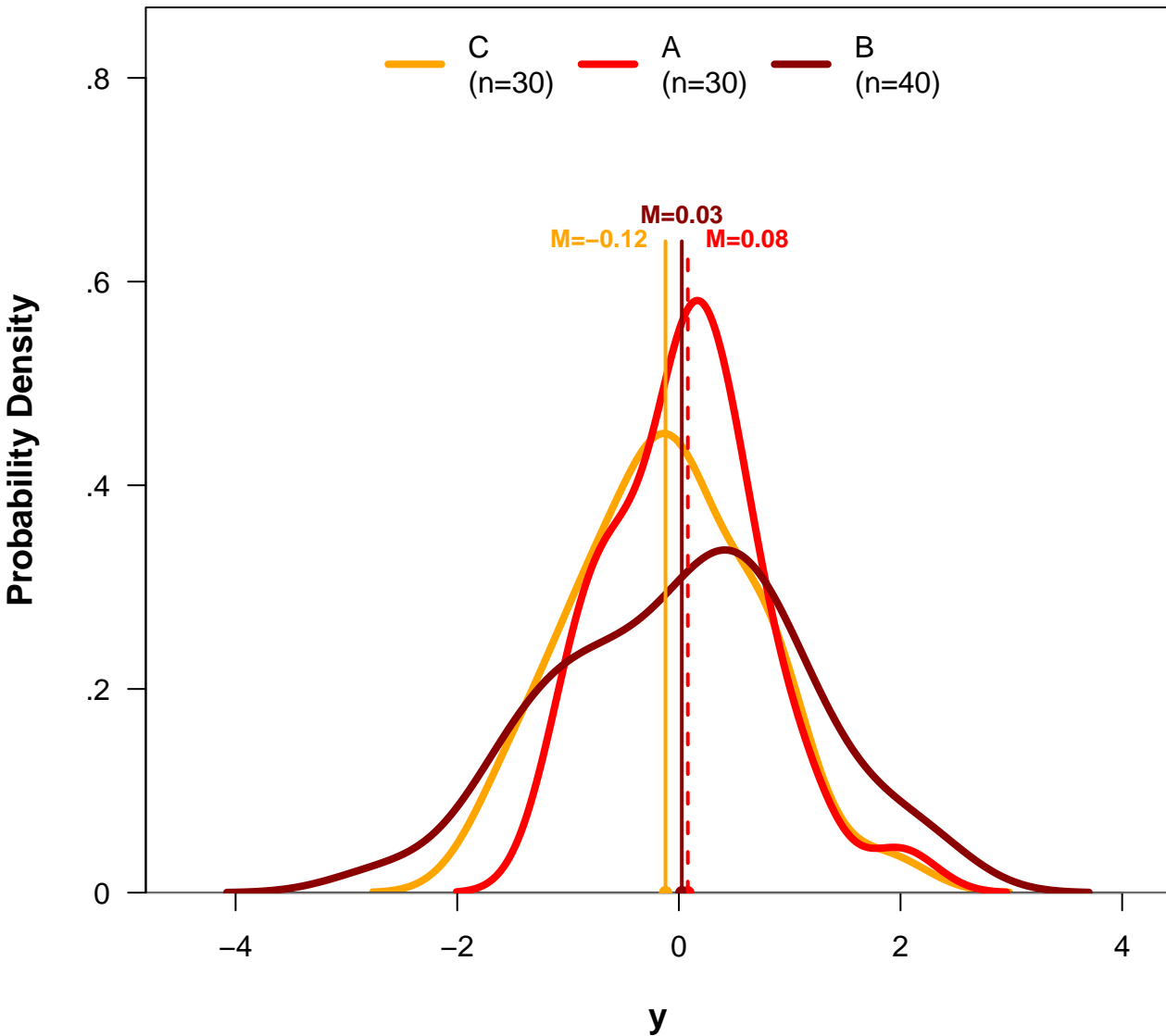
# Comparing Distribution of 'y' by 'group'

( $n=100$ )



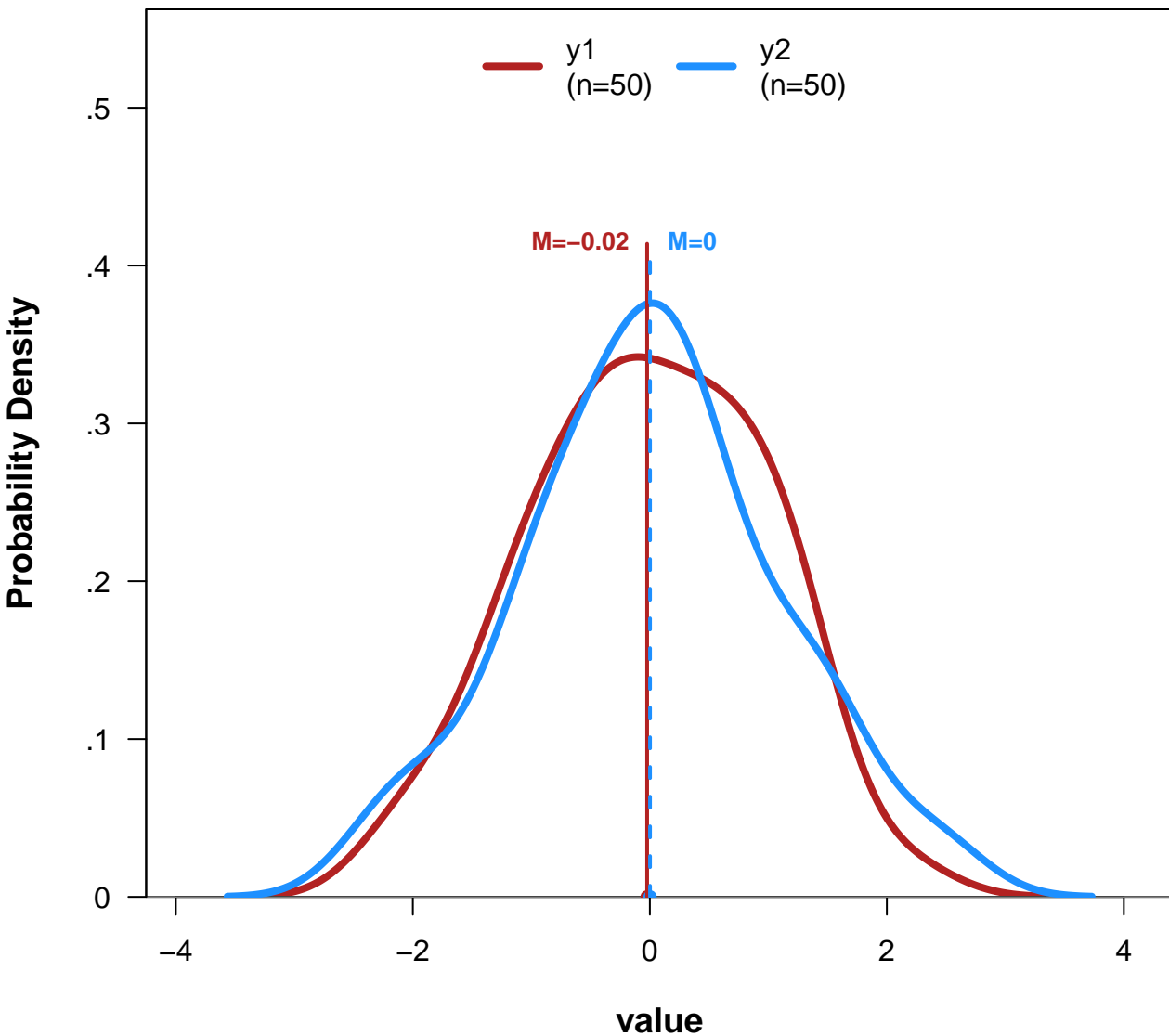
# Comparing Distribution of 'y' by 'group'

( $n=100$ )



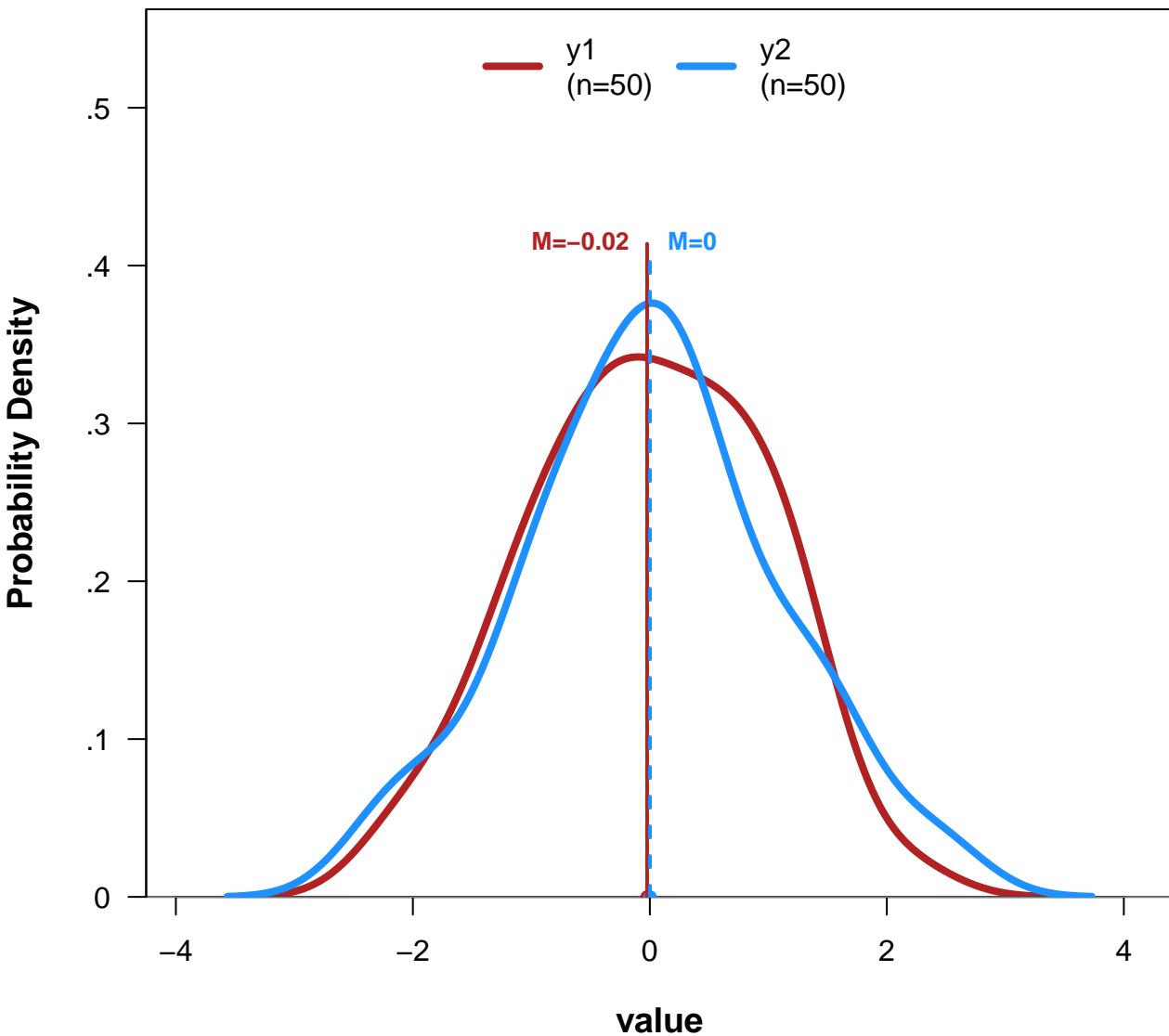
# Comparing Distribution of 'value' by 'group'

( $n=100$ )



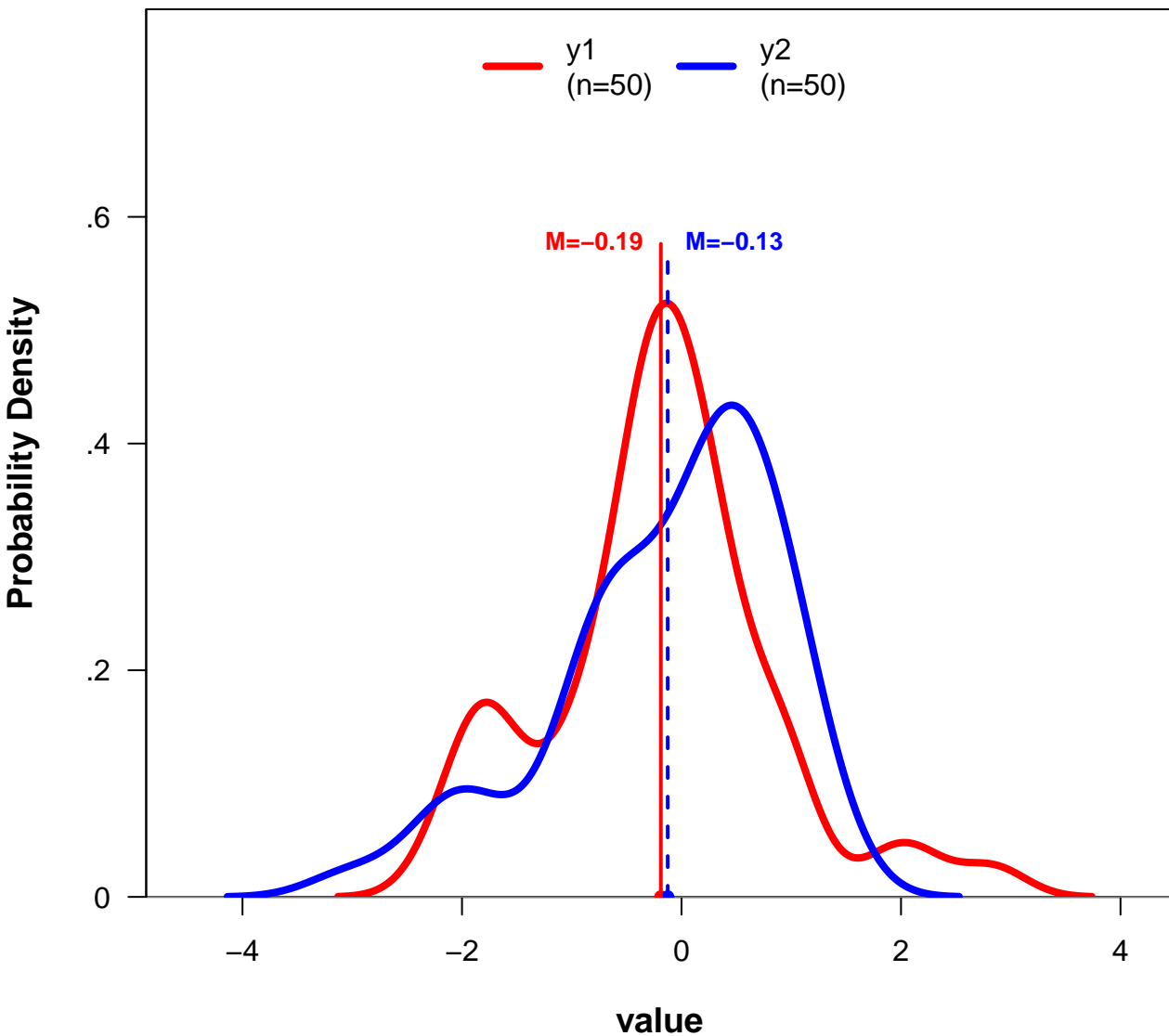
# Comparing Distribution of 'value' by 'group'

(n=100)



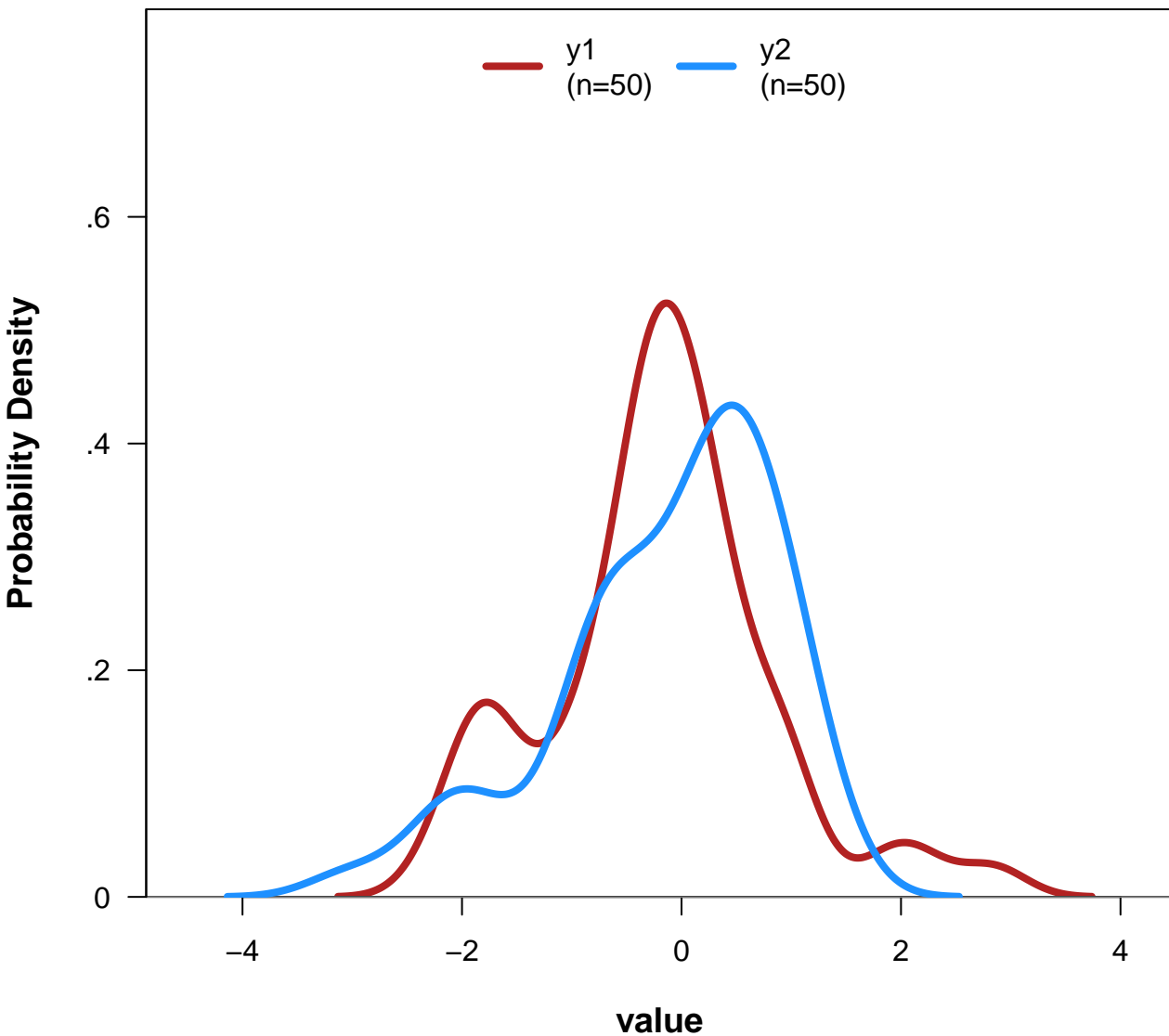
# Comparing Distribution of 'value' by 'group'

(n=100)



# Comparing Distribution of 'value' by 'group'

( $n=100$ )

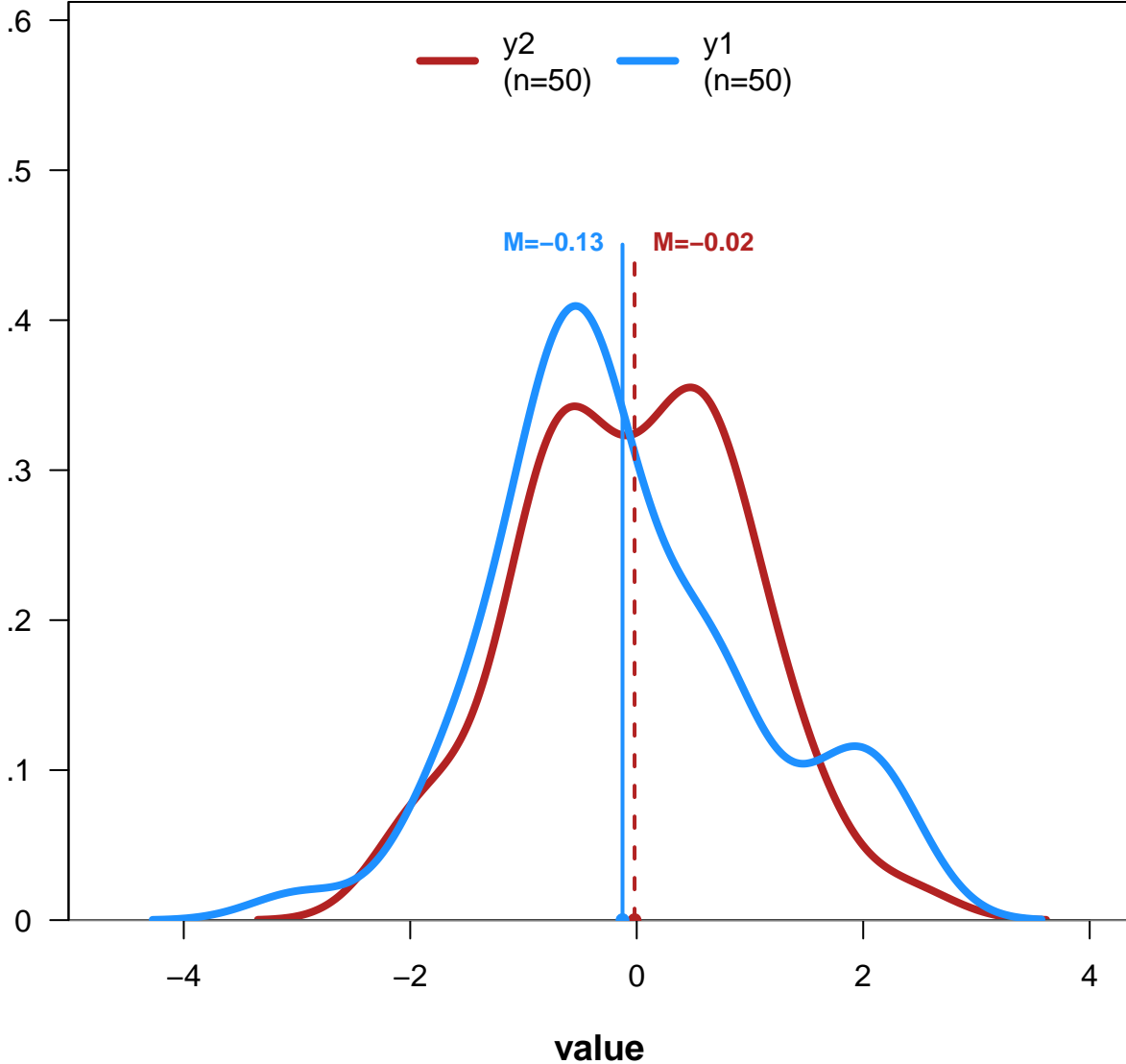




# Comparing Distribution of 'value' by 'group'

(n=100)

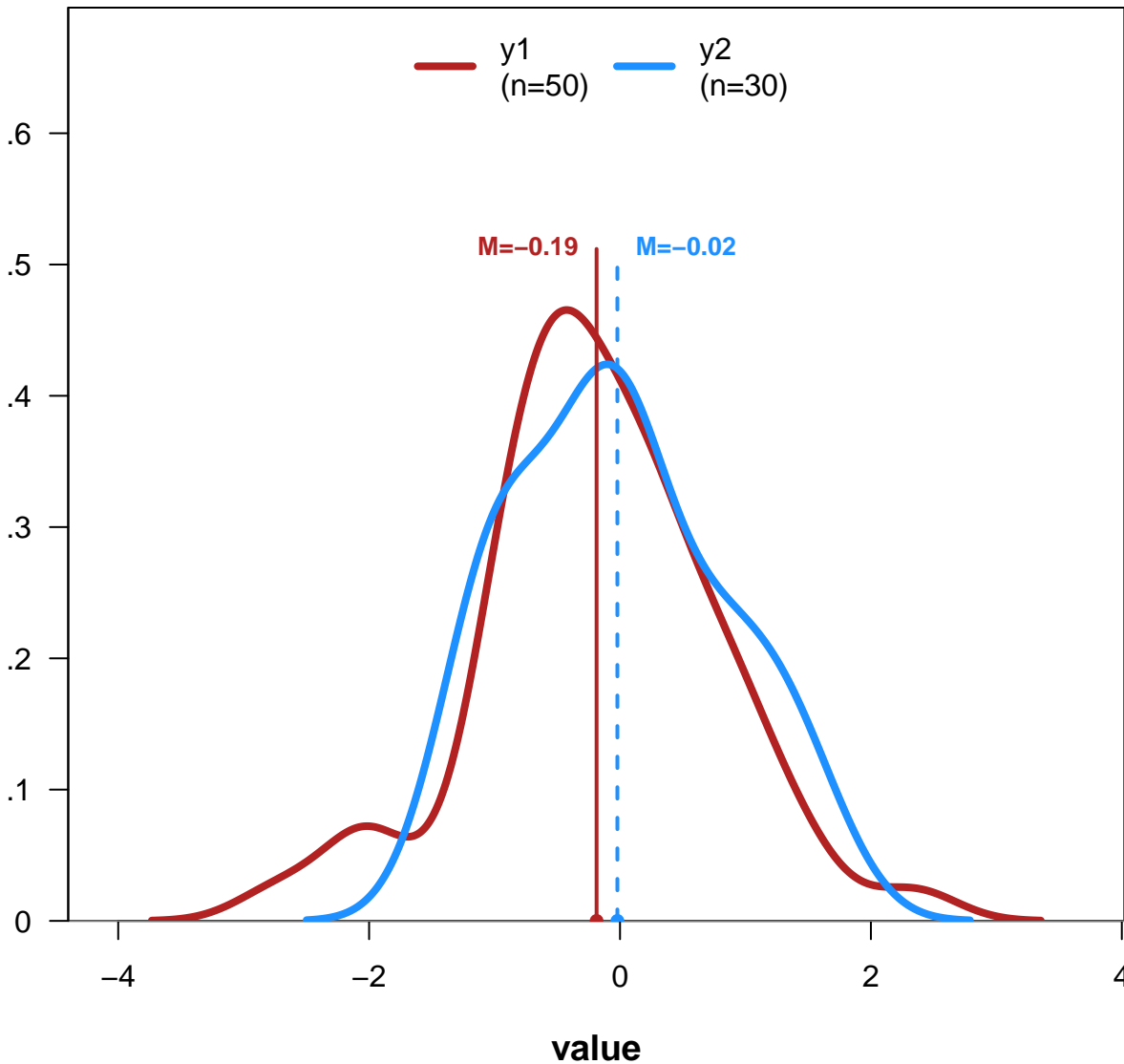
Probability Density



# Comparing Distribution of 'value' by 'group'

(n=80)

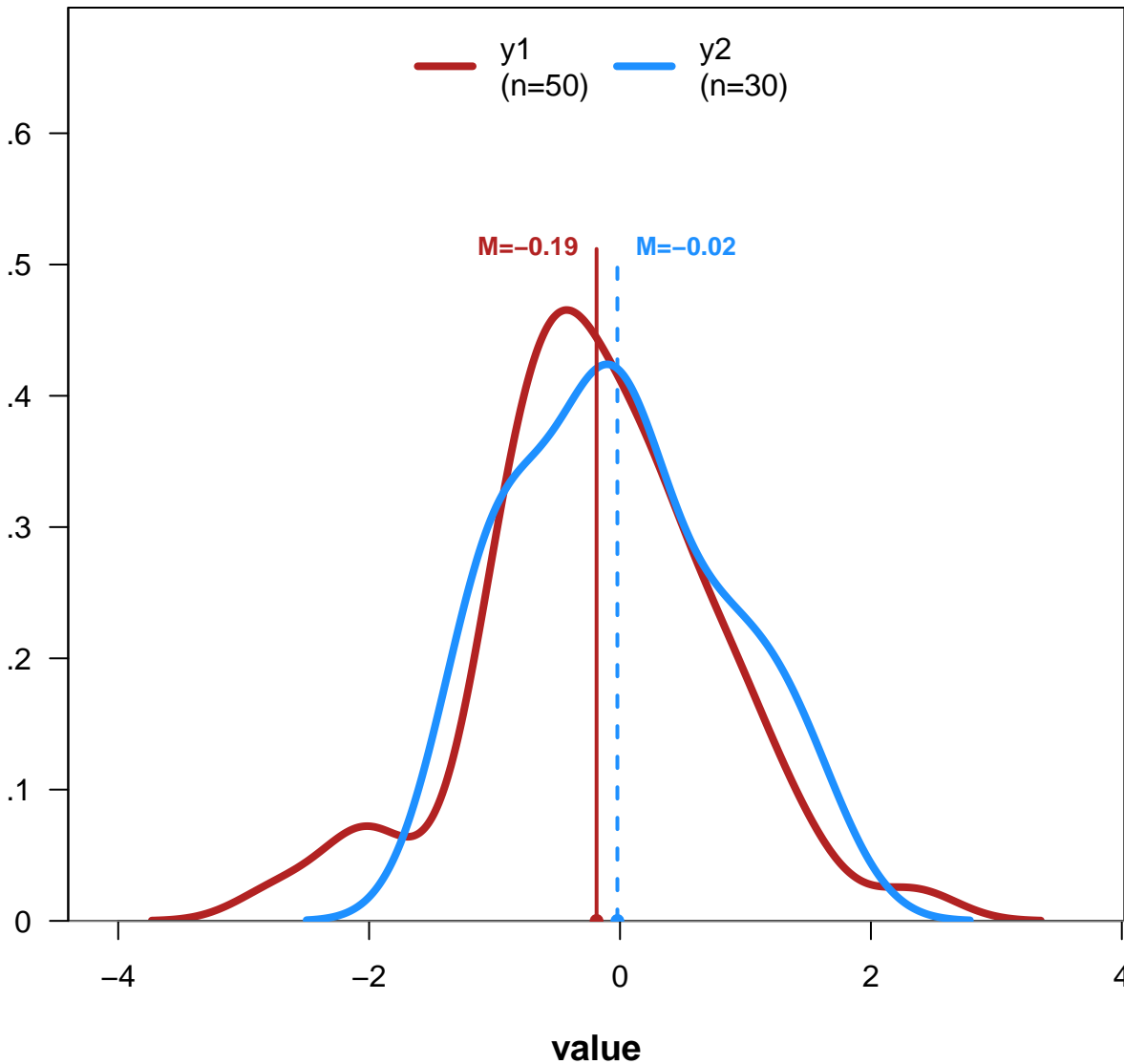
Probability Density



# Comparing Distribution of 'value' by 'group'

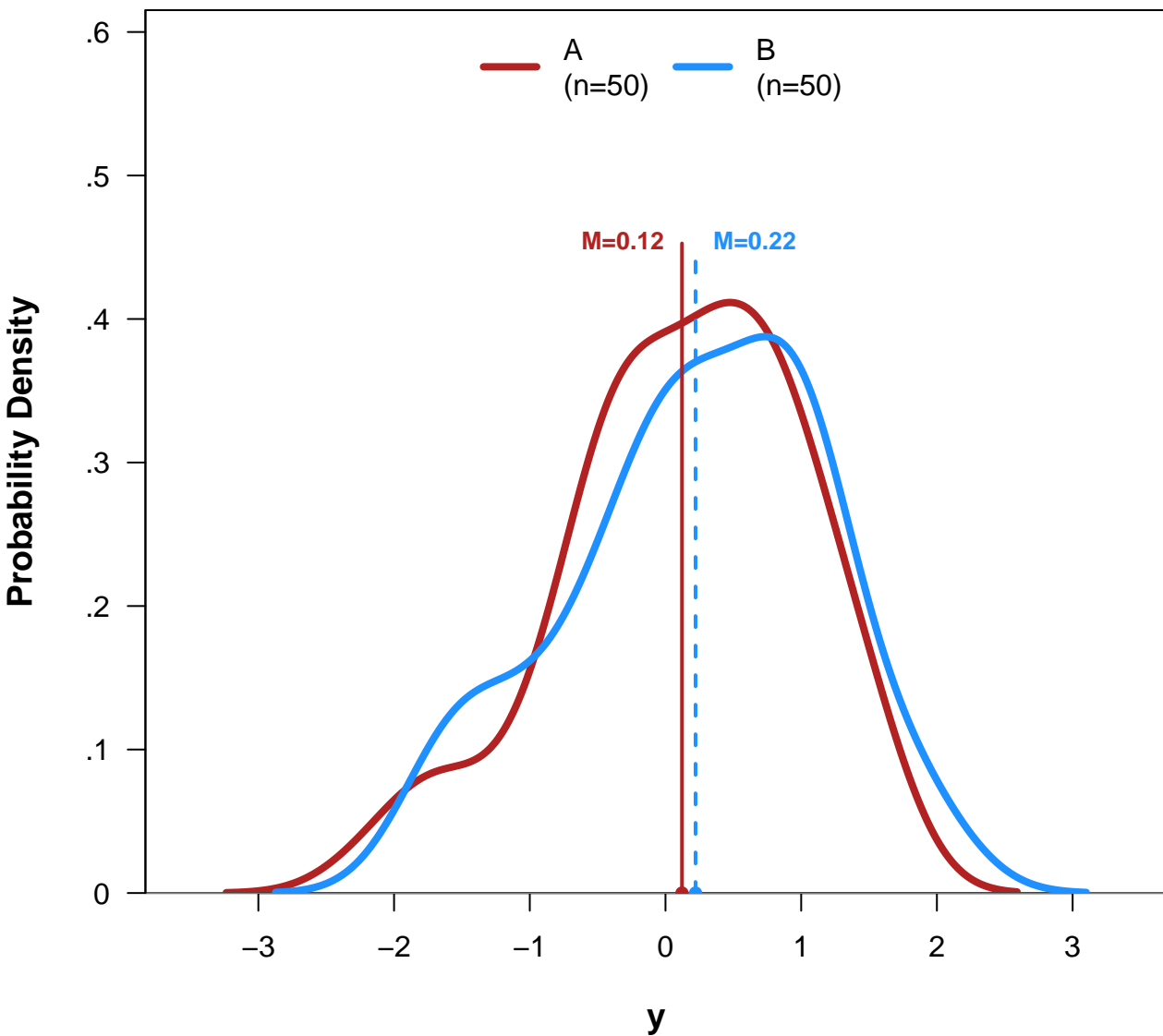
(n=80)

Probability Density



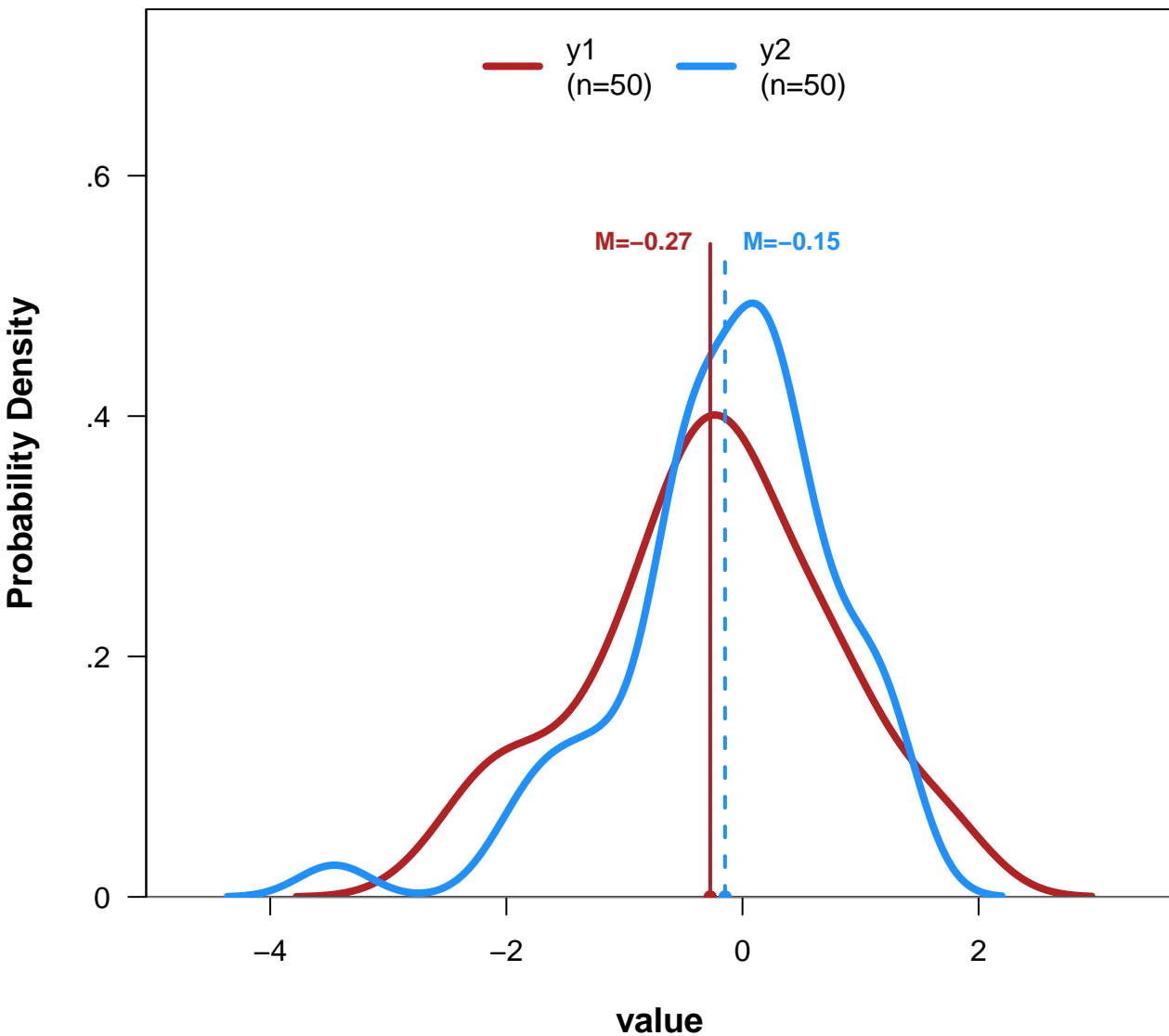
# Comparing Distribution of 'y' by 'group'

( $n=100$ )



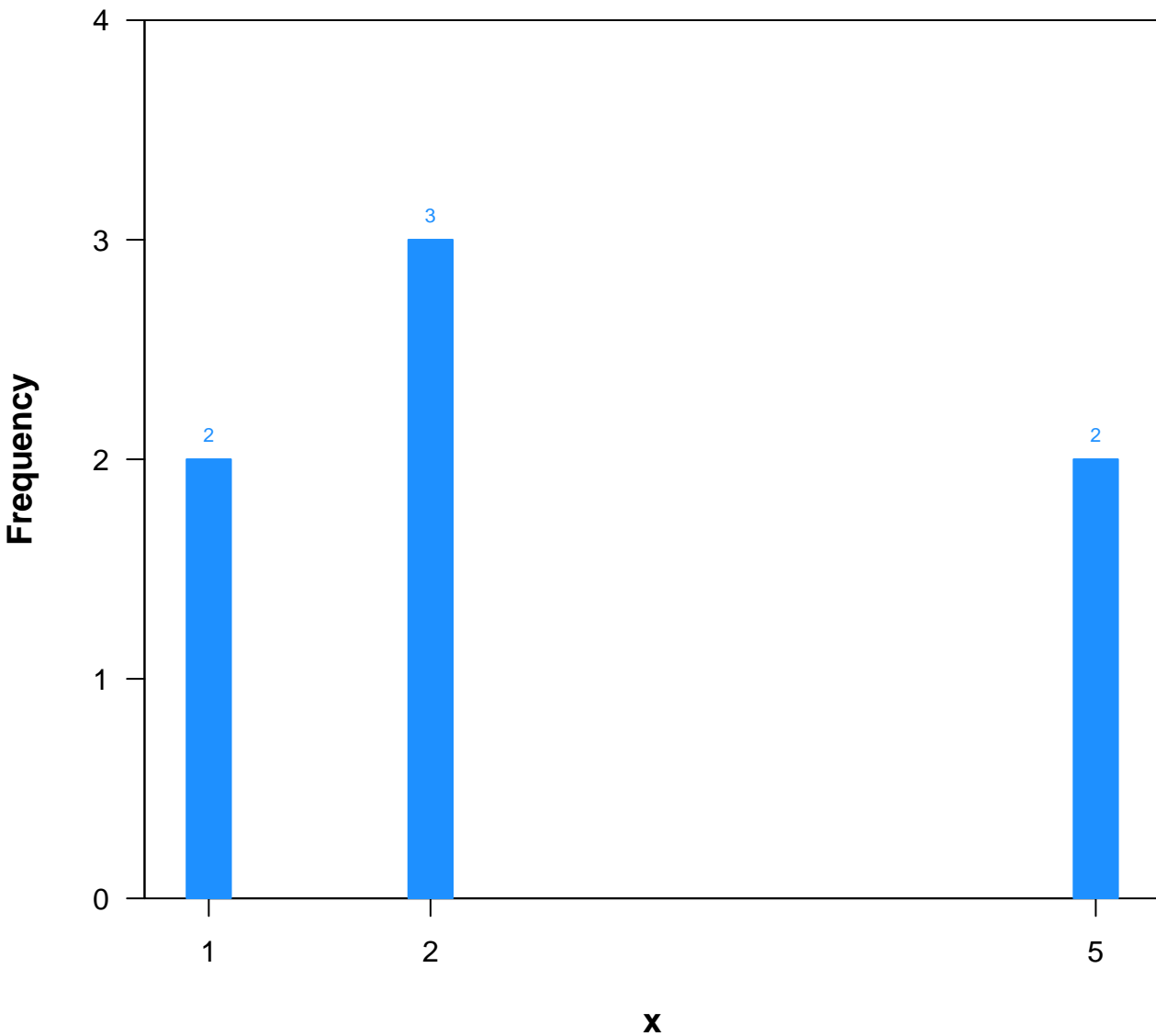
# Comparing Distribution of 'value' by 'group'

( $n=100$ )



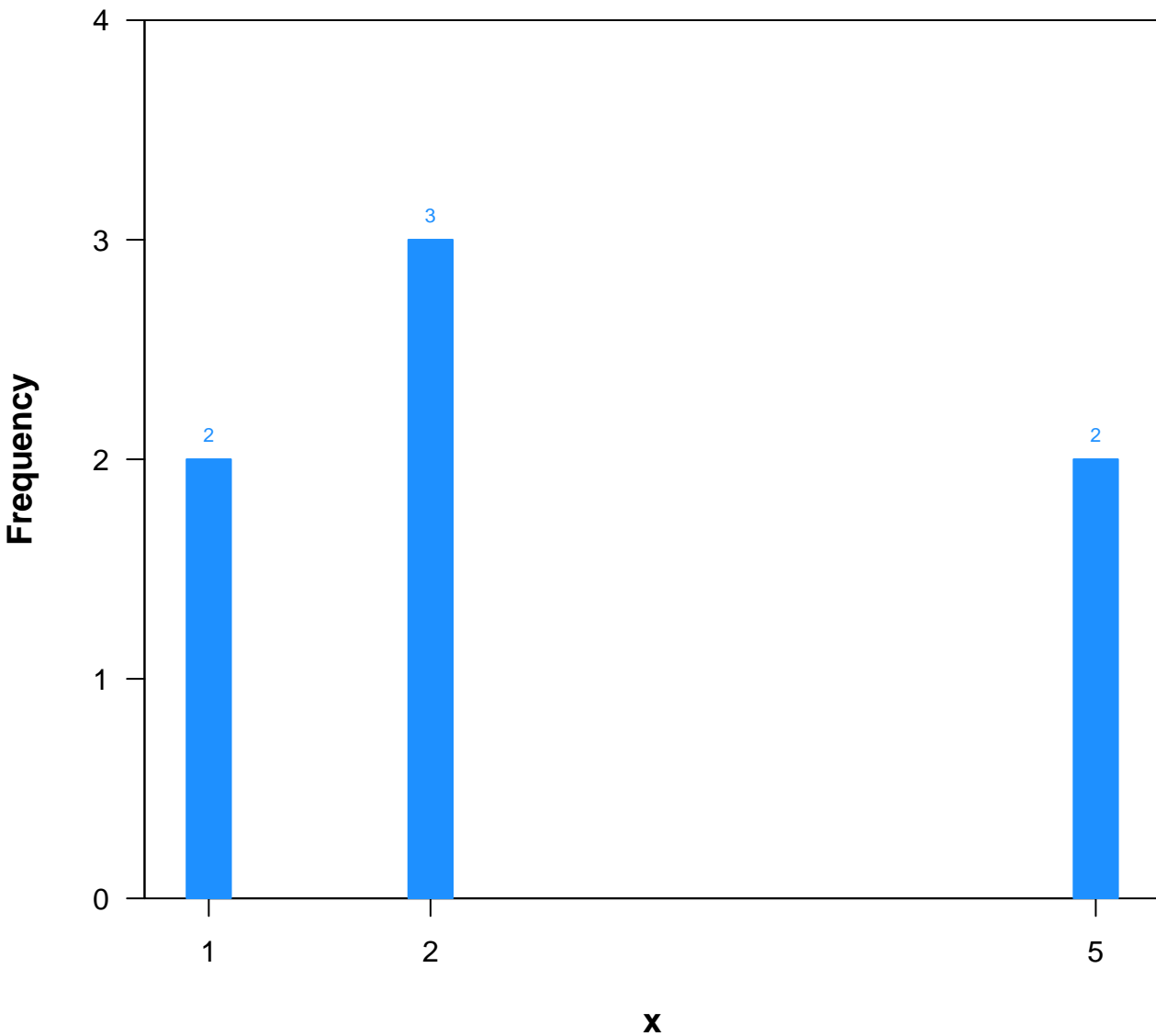
# Distribution of x

( $N=7$ )



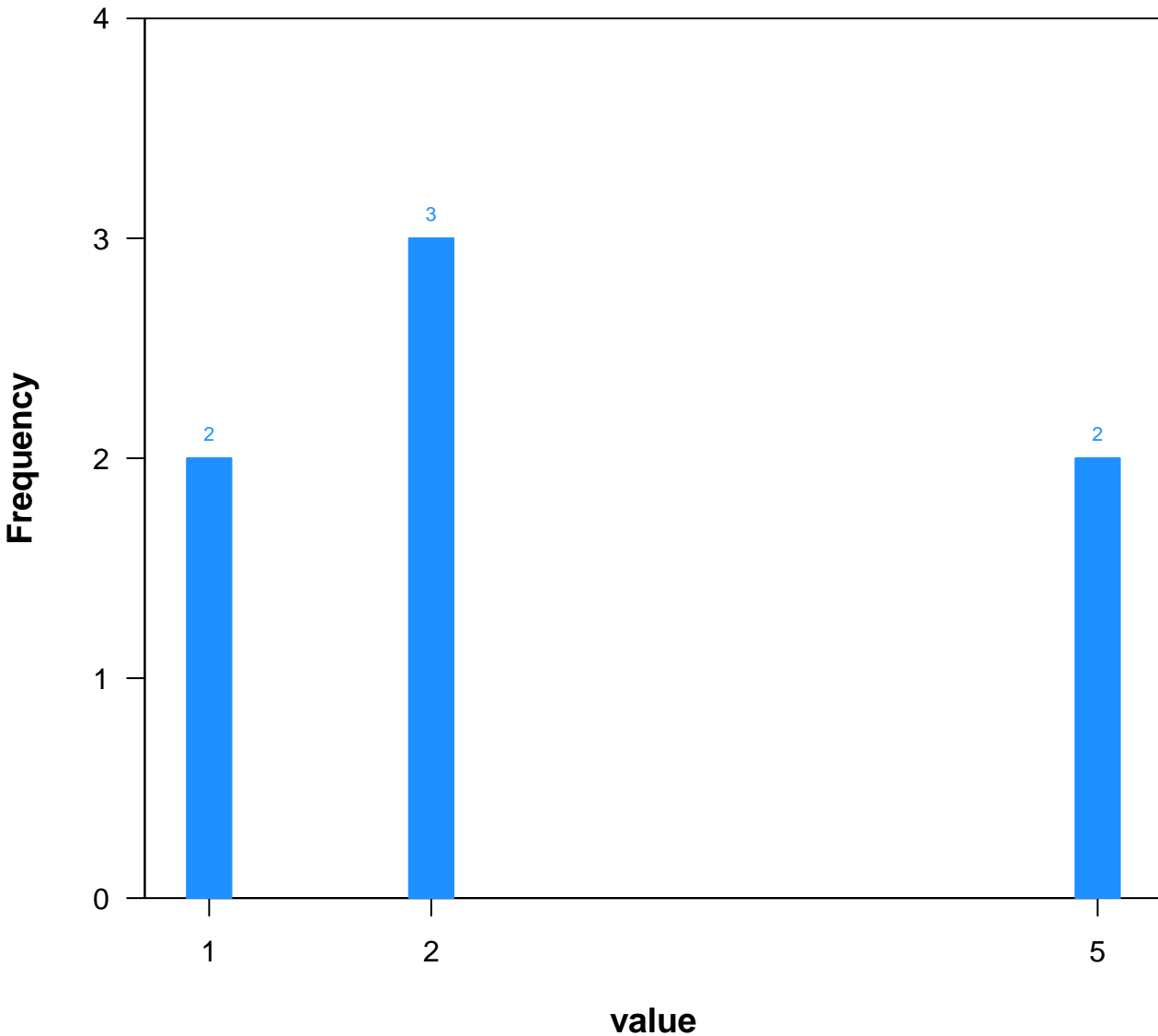
# Distribution of x

( $N=7$ )



# Distribution of value

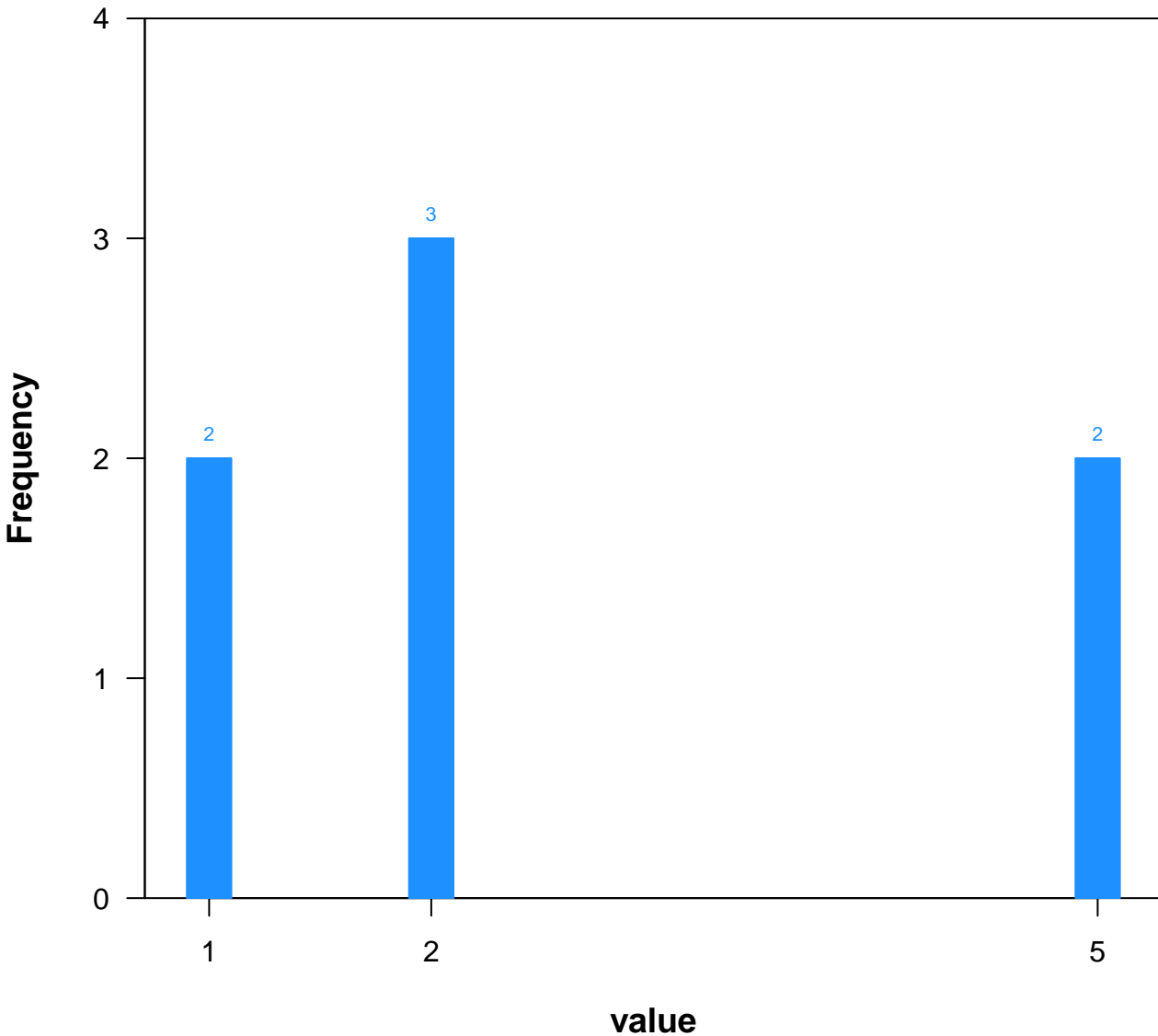
(N=7)





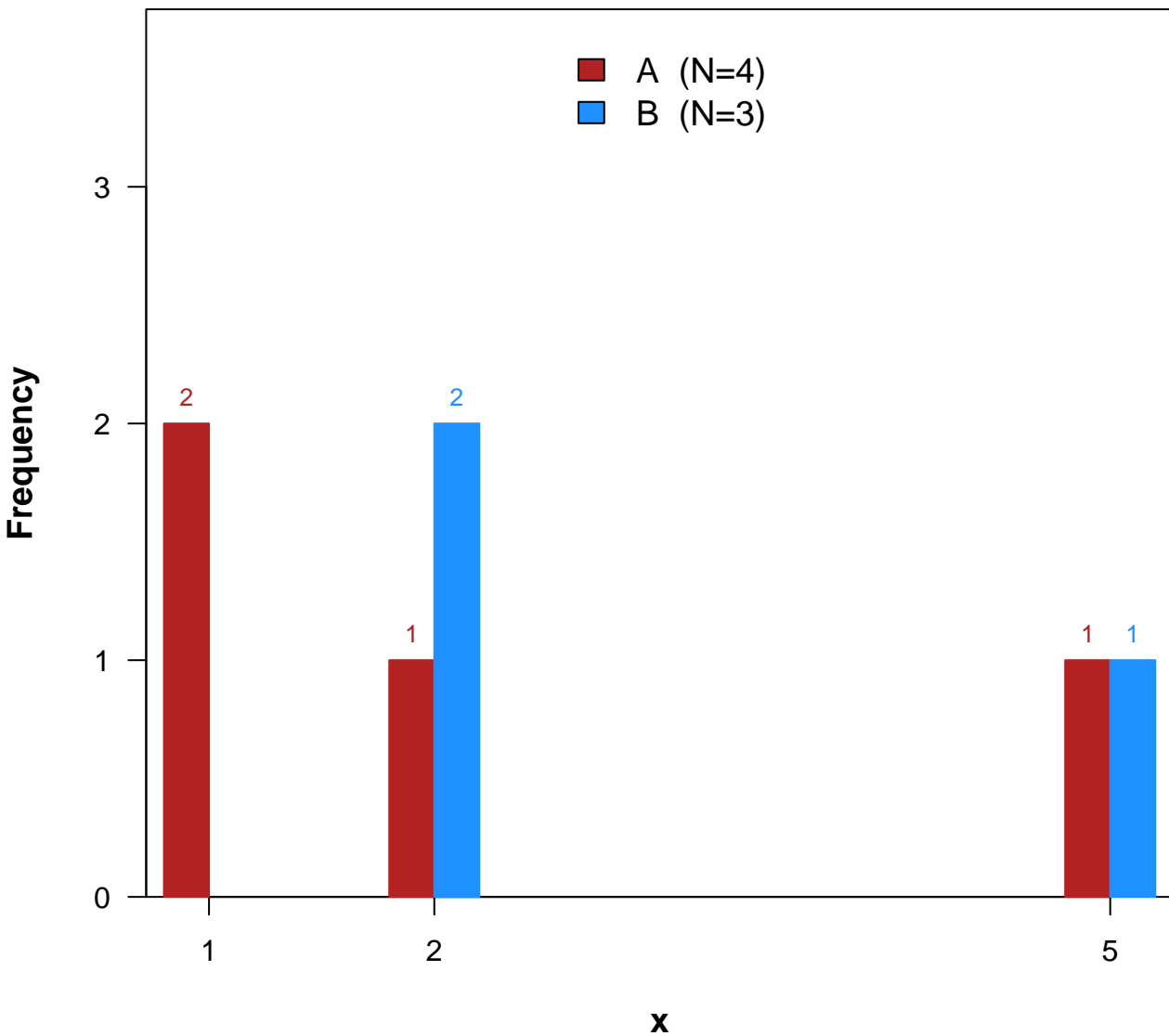
# Distribution of value

(N=7)



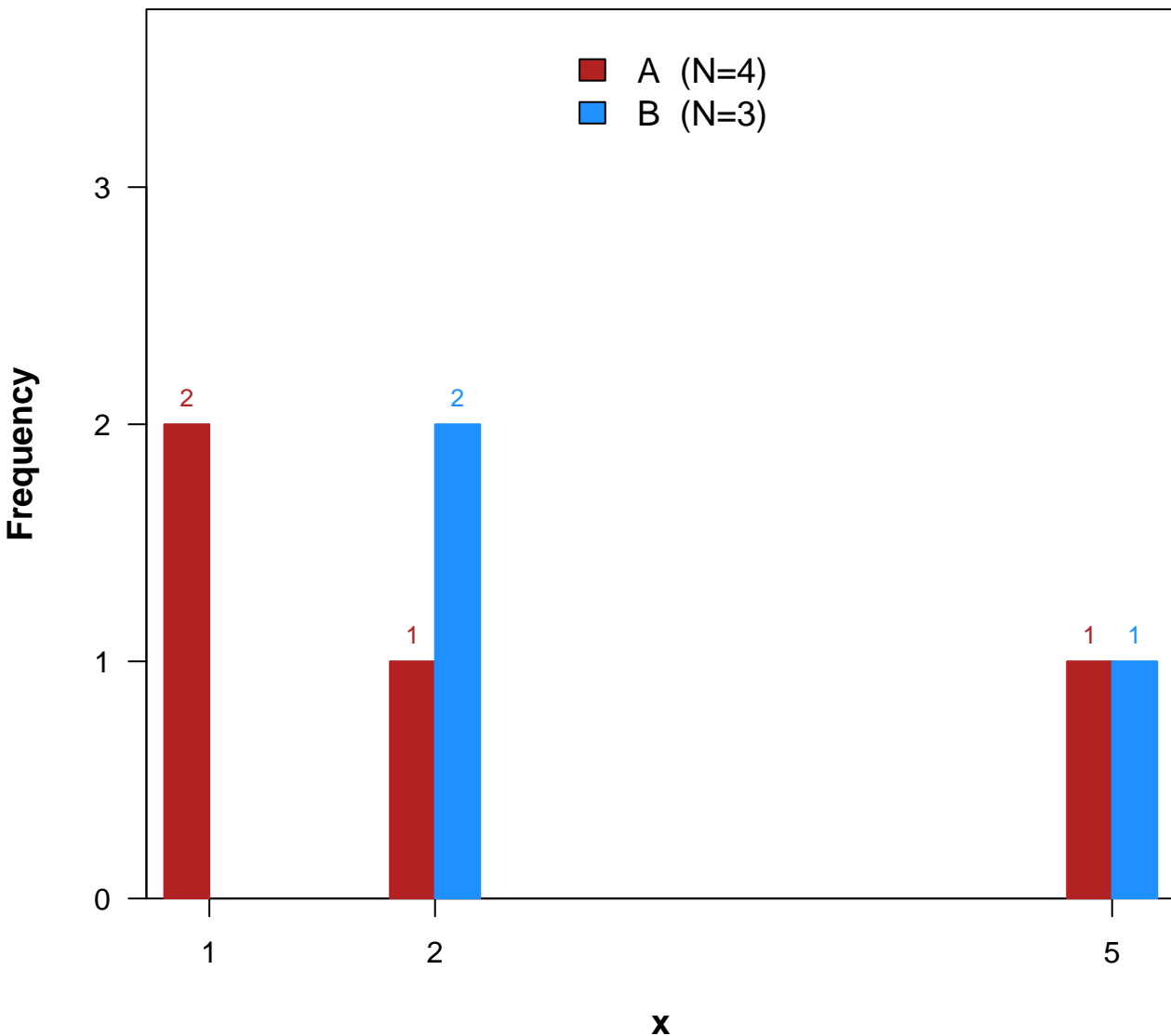
# Distribution of x

(N=7)



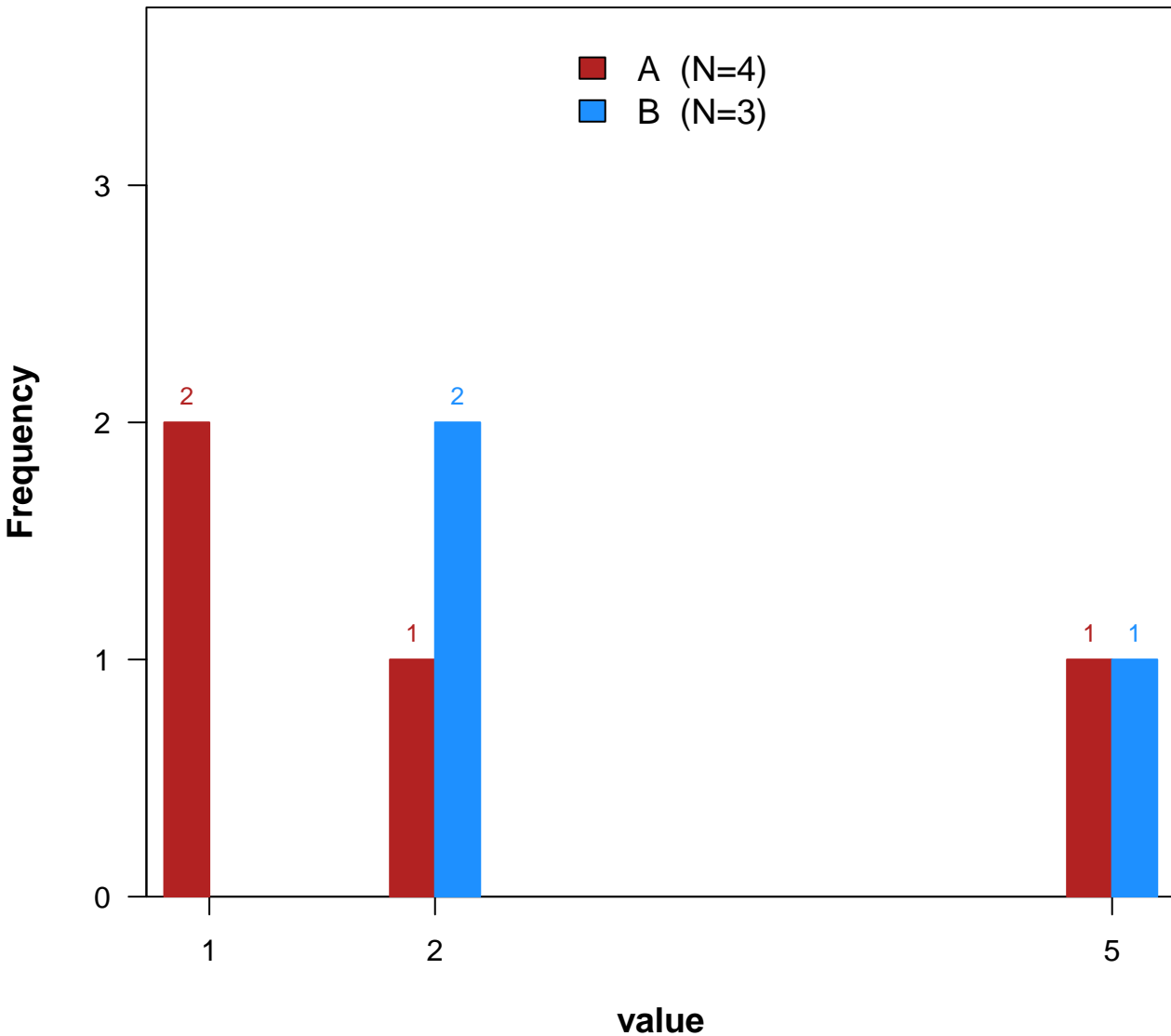
# Distribution of x

(N=7)



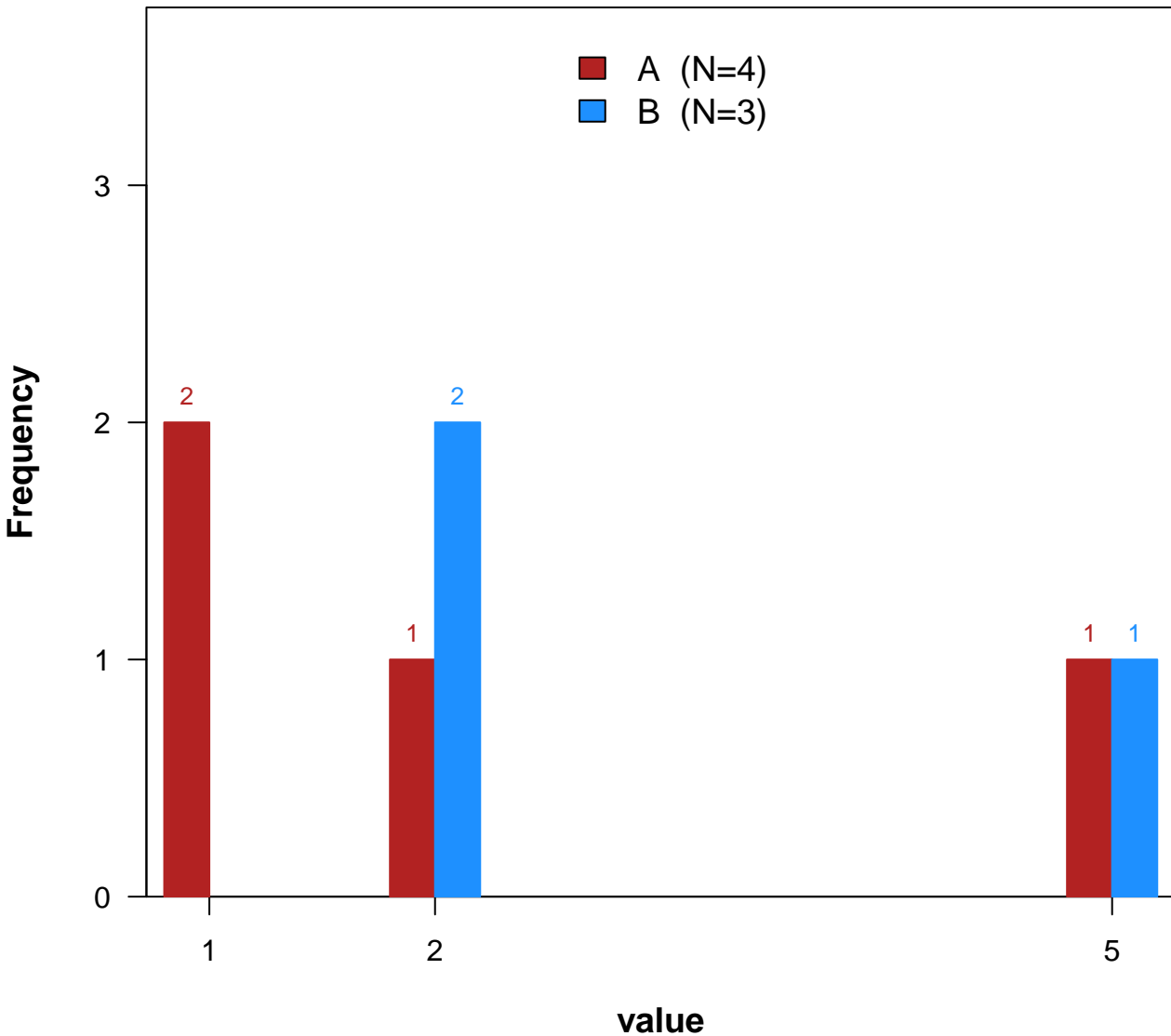
# Distribution of value

(N=7)



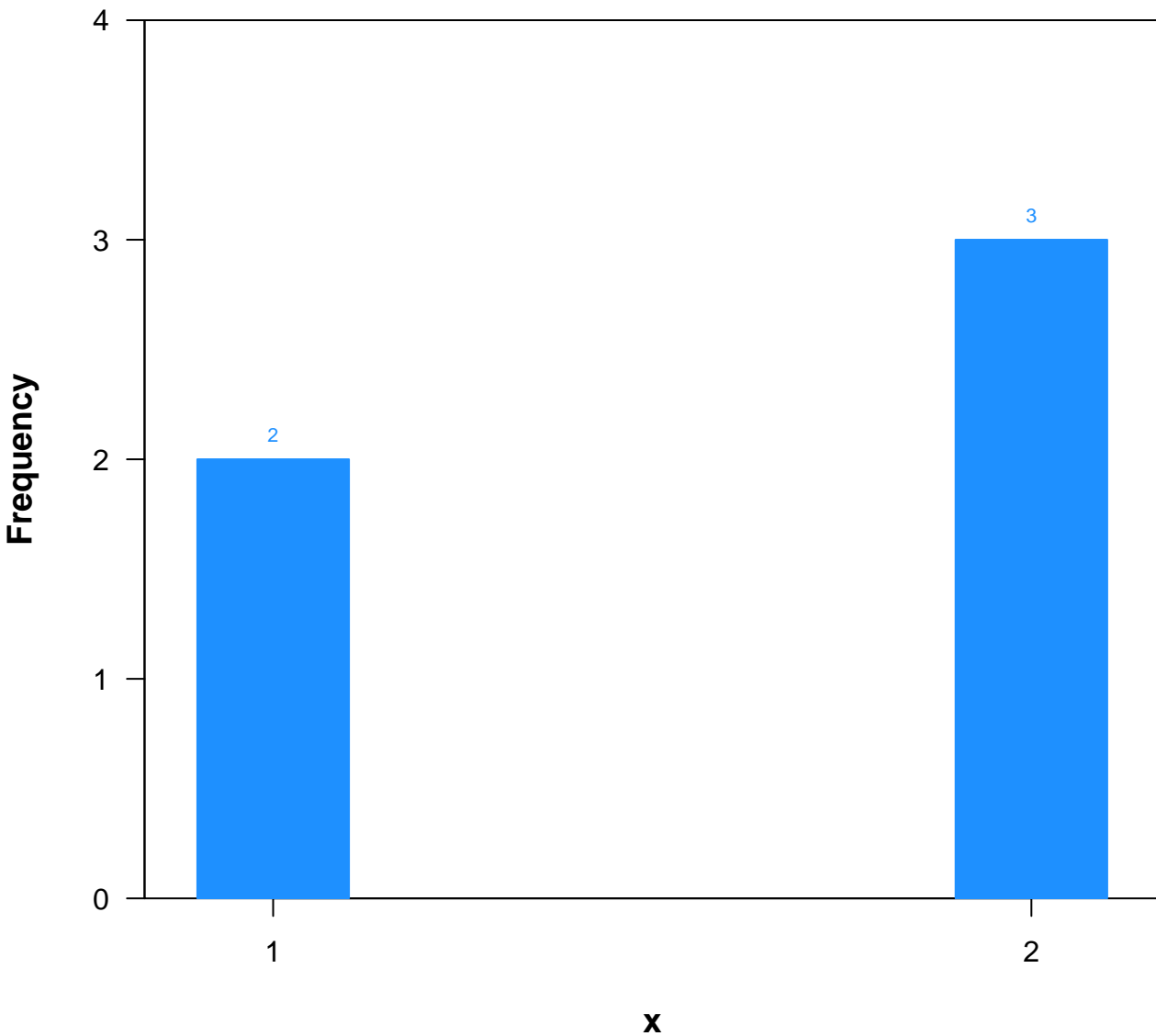
# Distribution of value

(N=7)



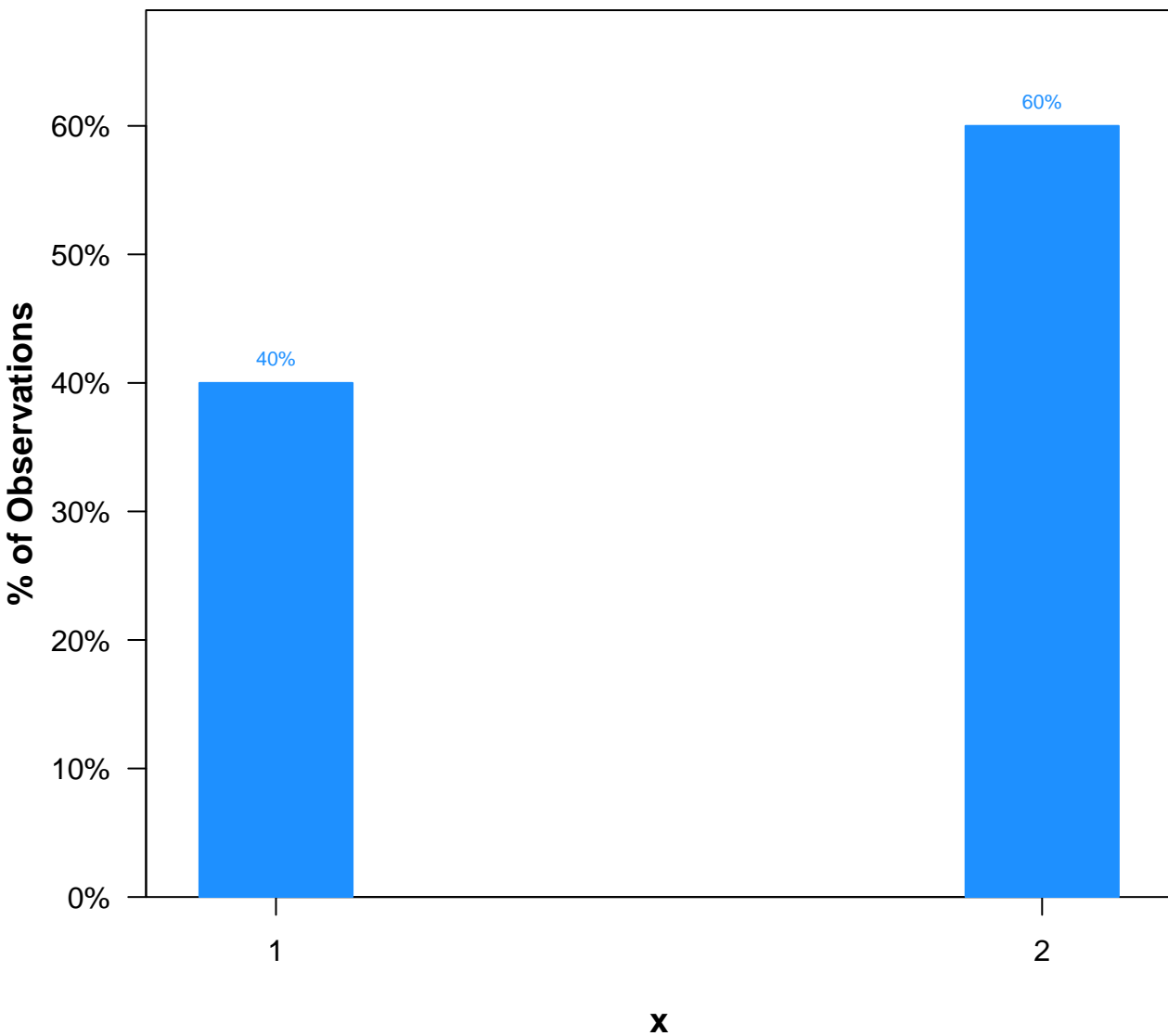
# Distribution of x

( $N=5$ )



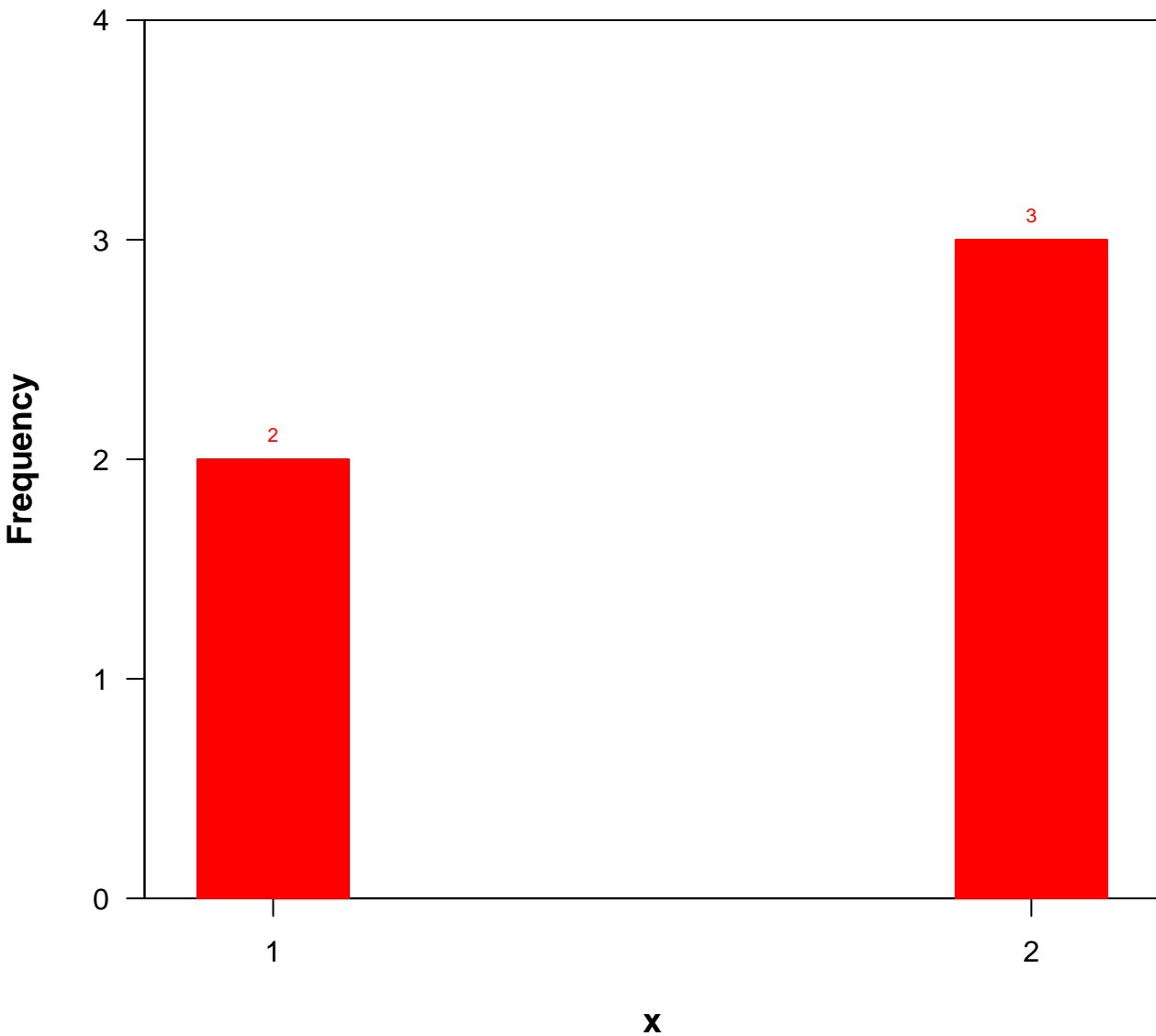
# Distribution of x

(N=5)



# Distribution of x

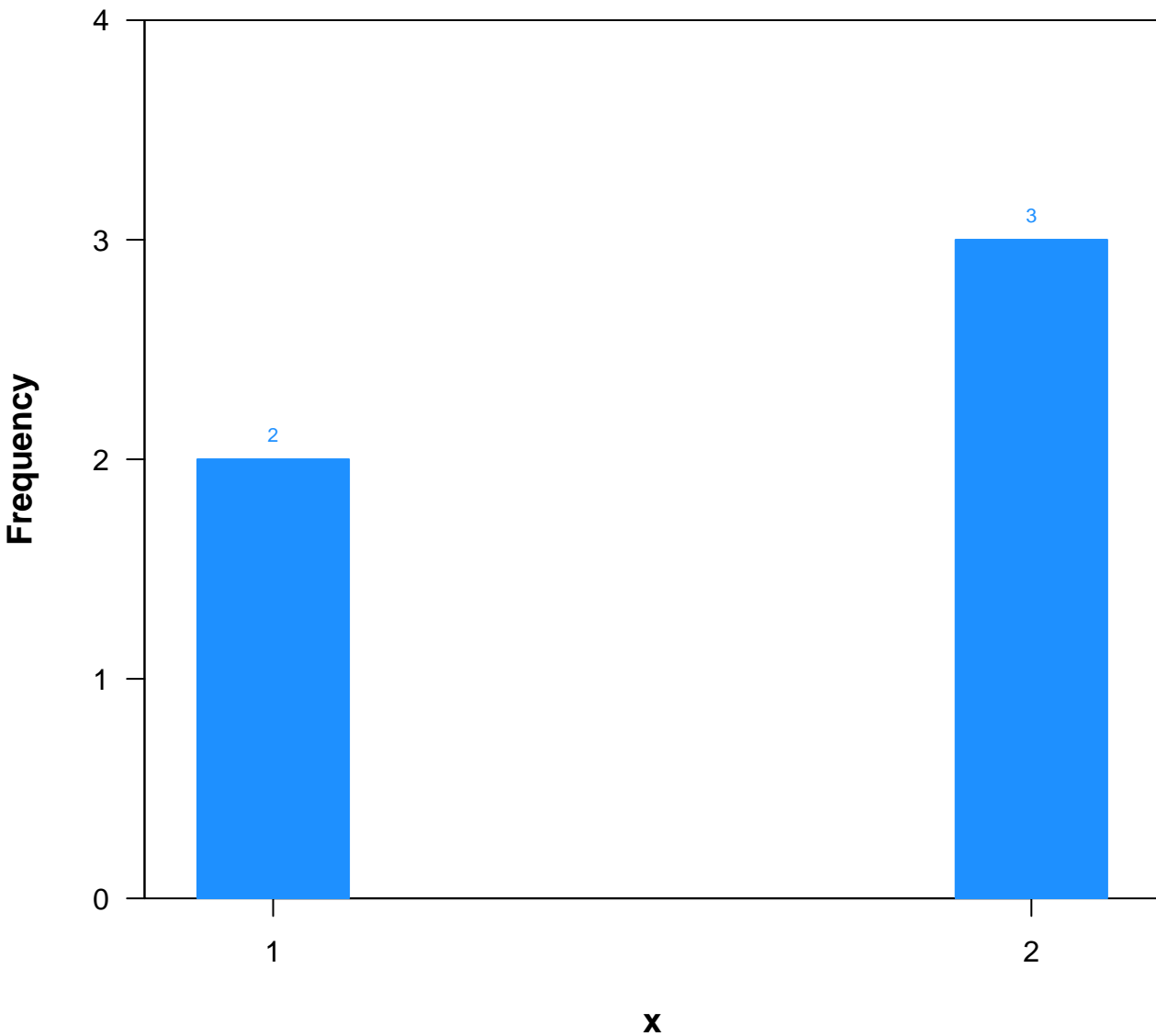
( $N=5$ )





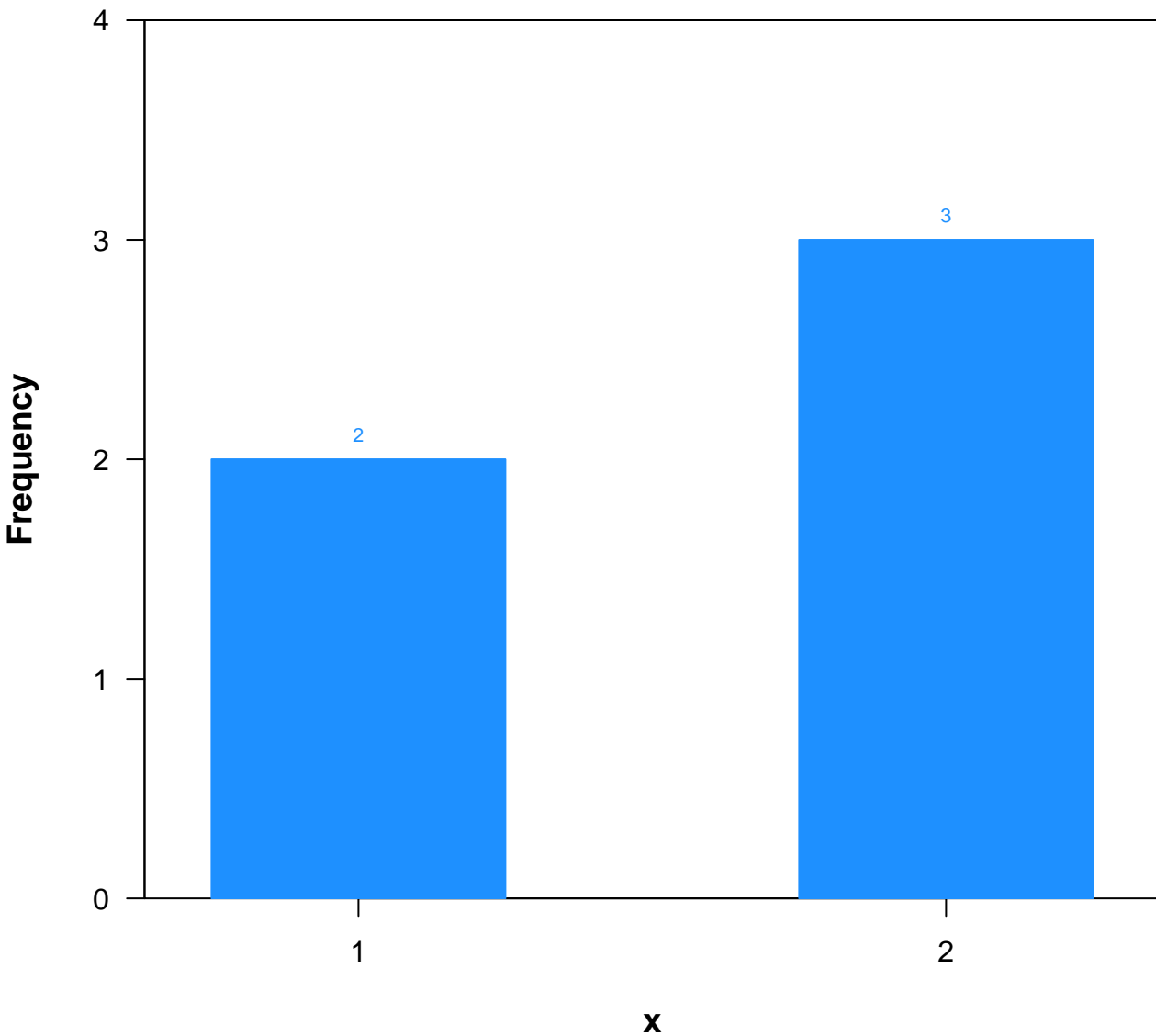
# Distribution of x

( $N=5$ )



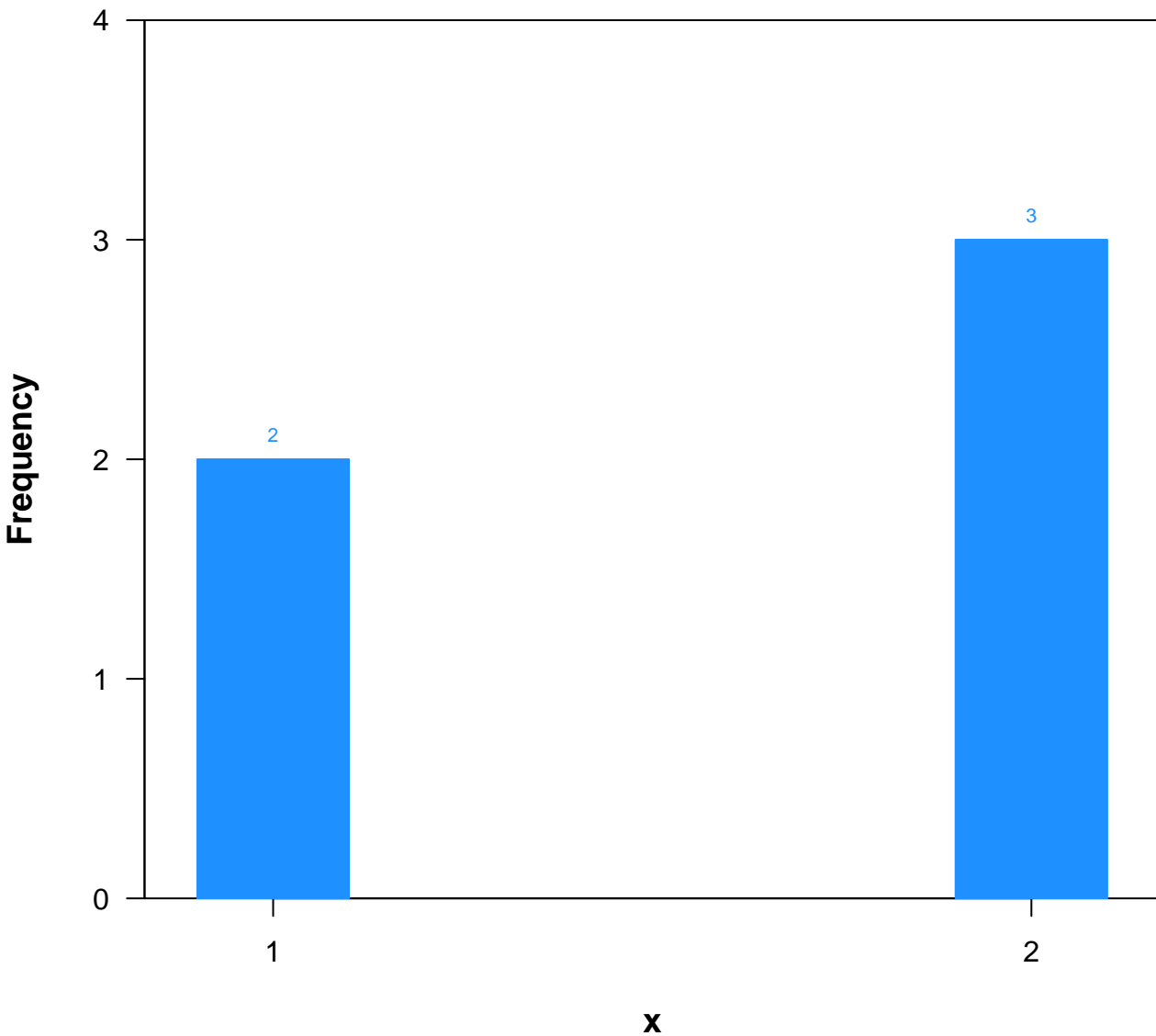
# Distribution of x

( $N=5$ )



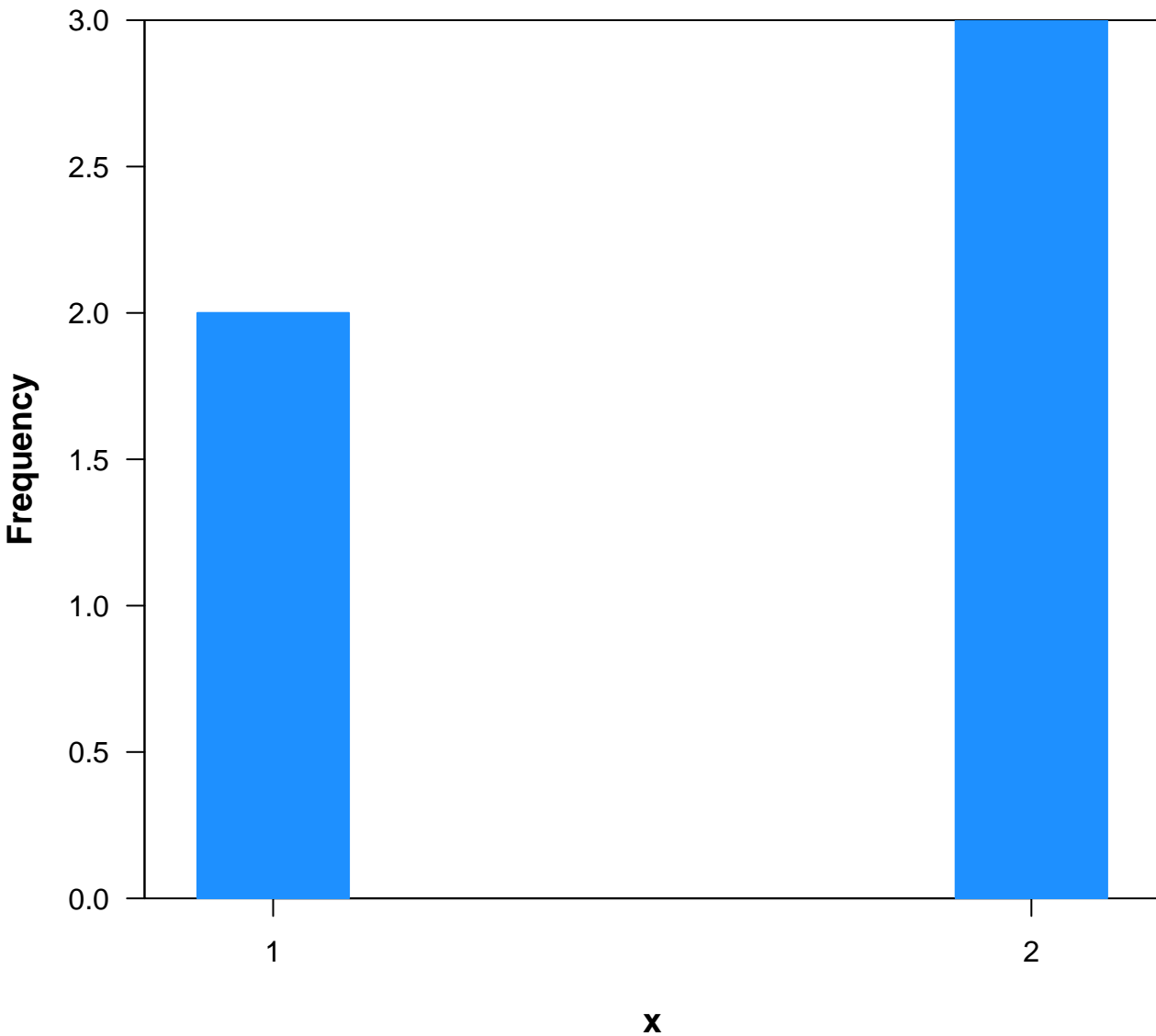
# Distribution of x

( $N=5$ )



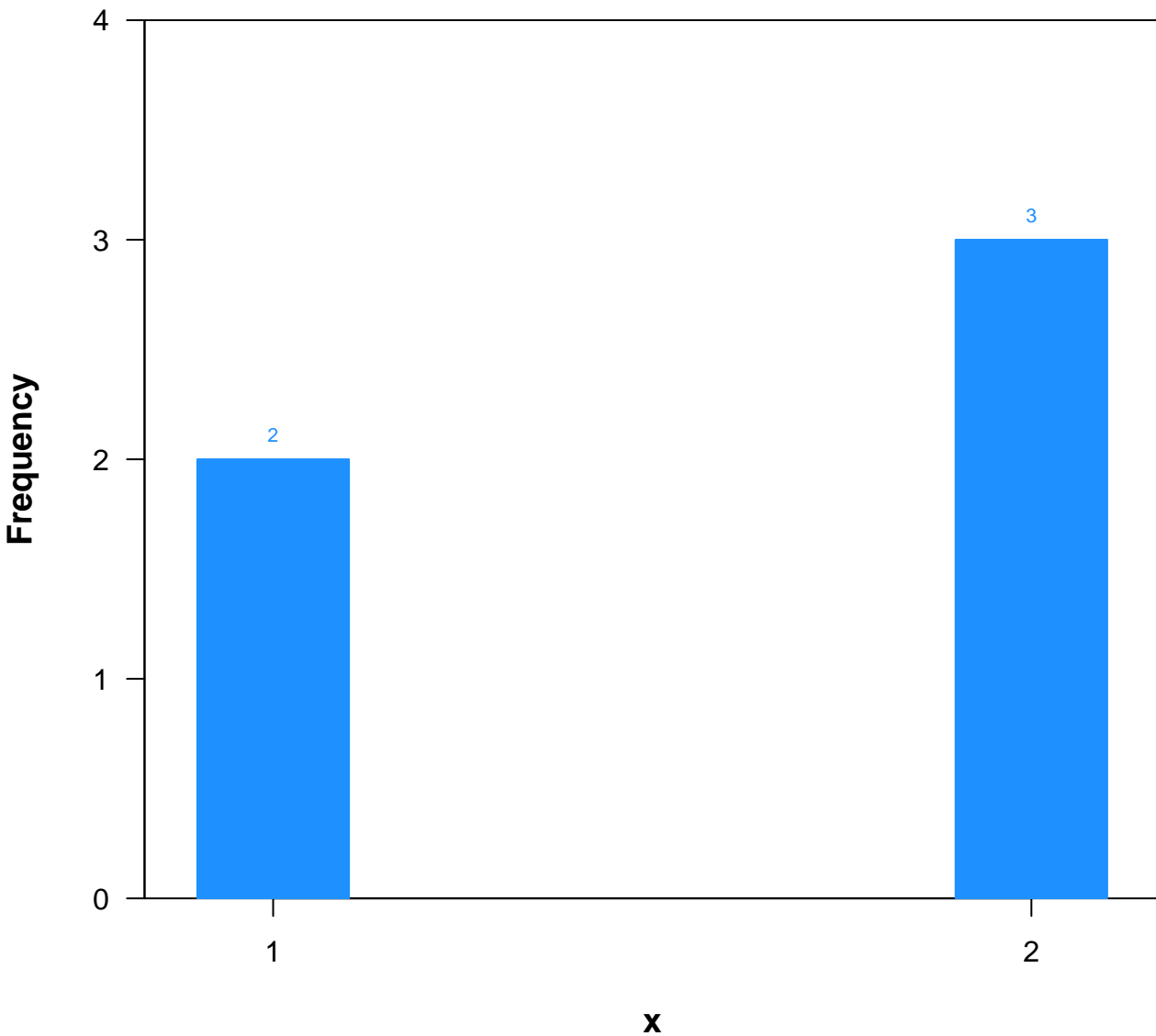
# Distribution of x

( $N=5$ )



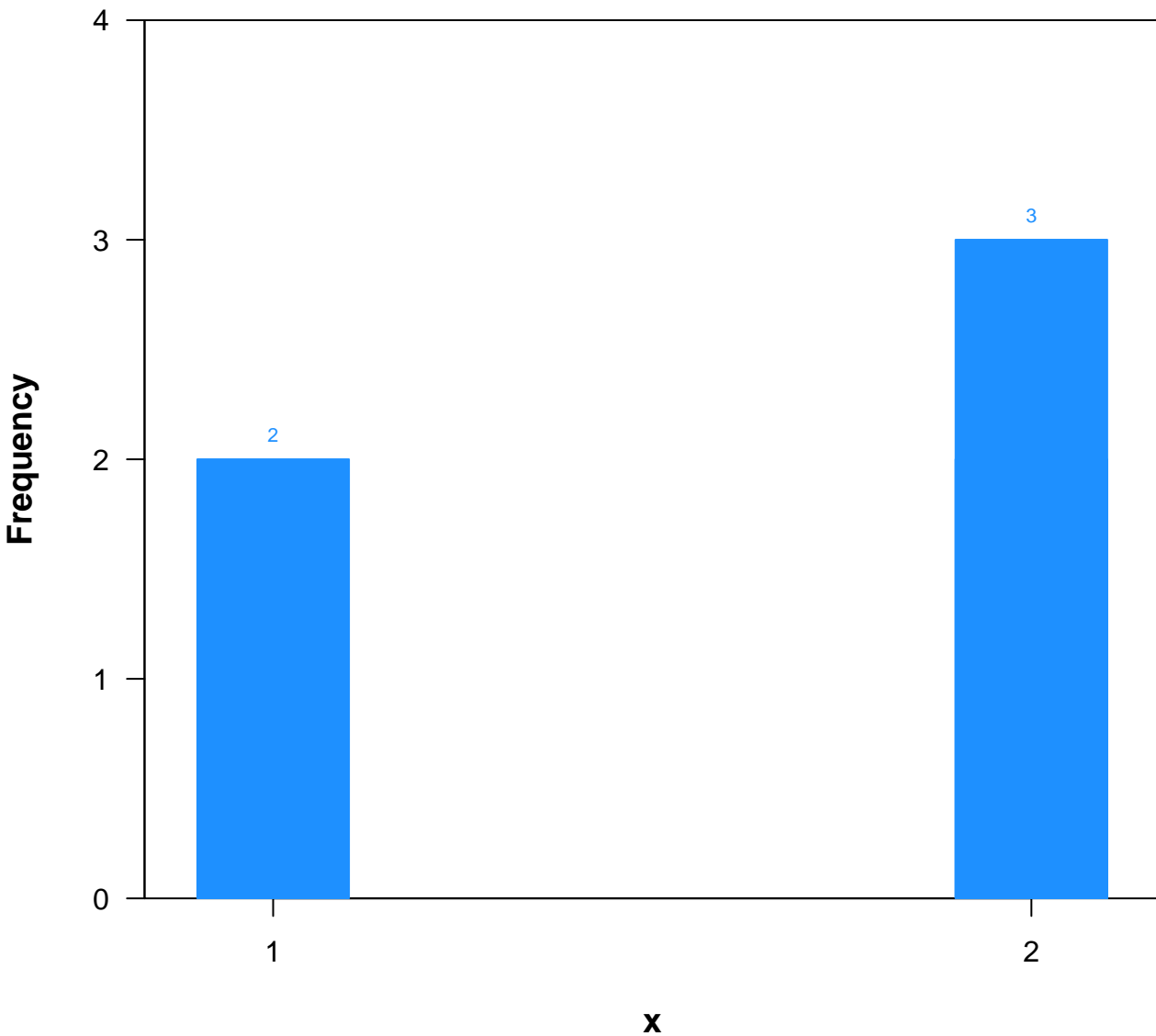
# Distribution of x

( $N=5$ )



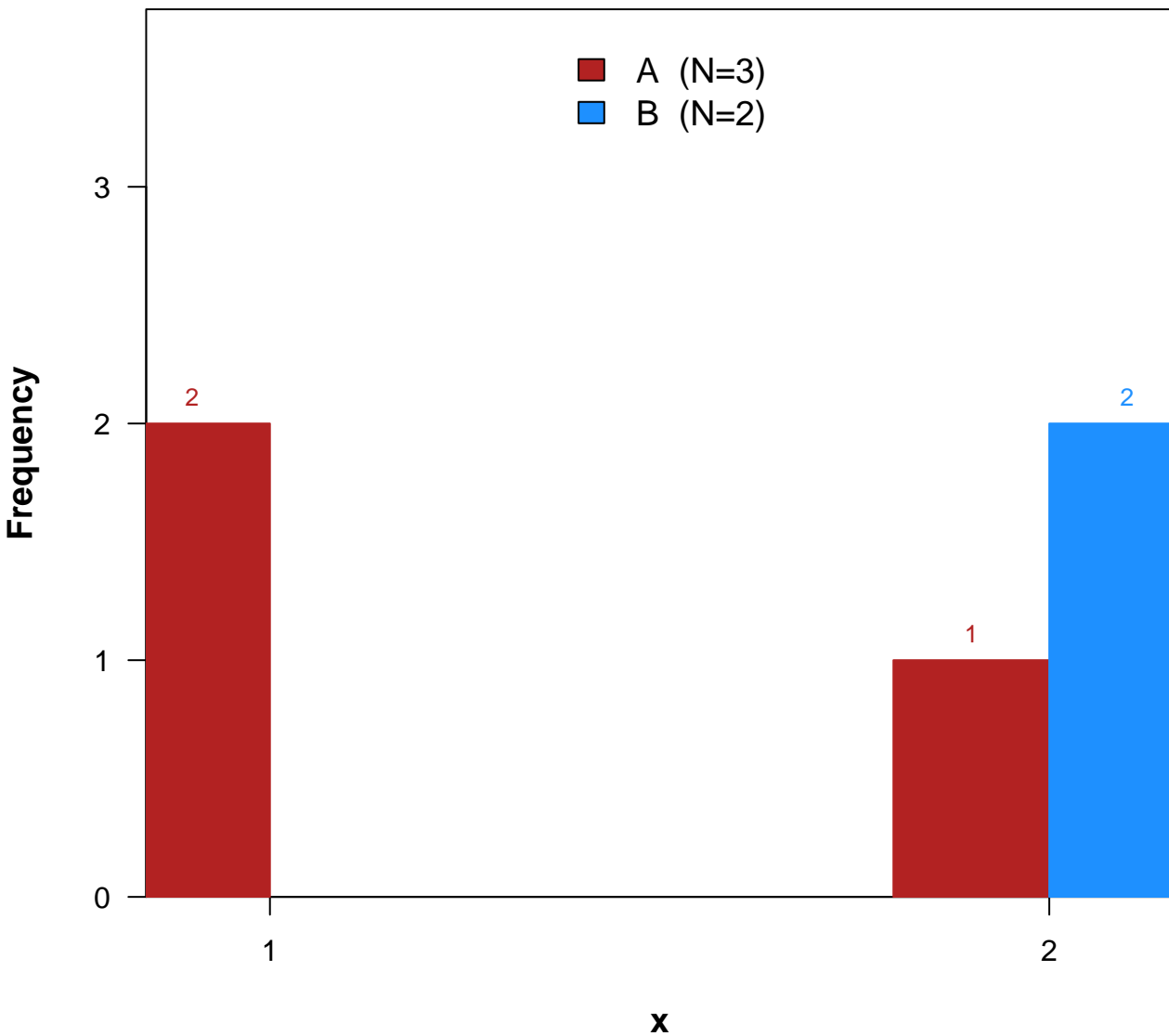
# Distribution of x

( $N=5$ )



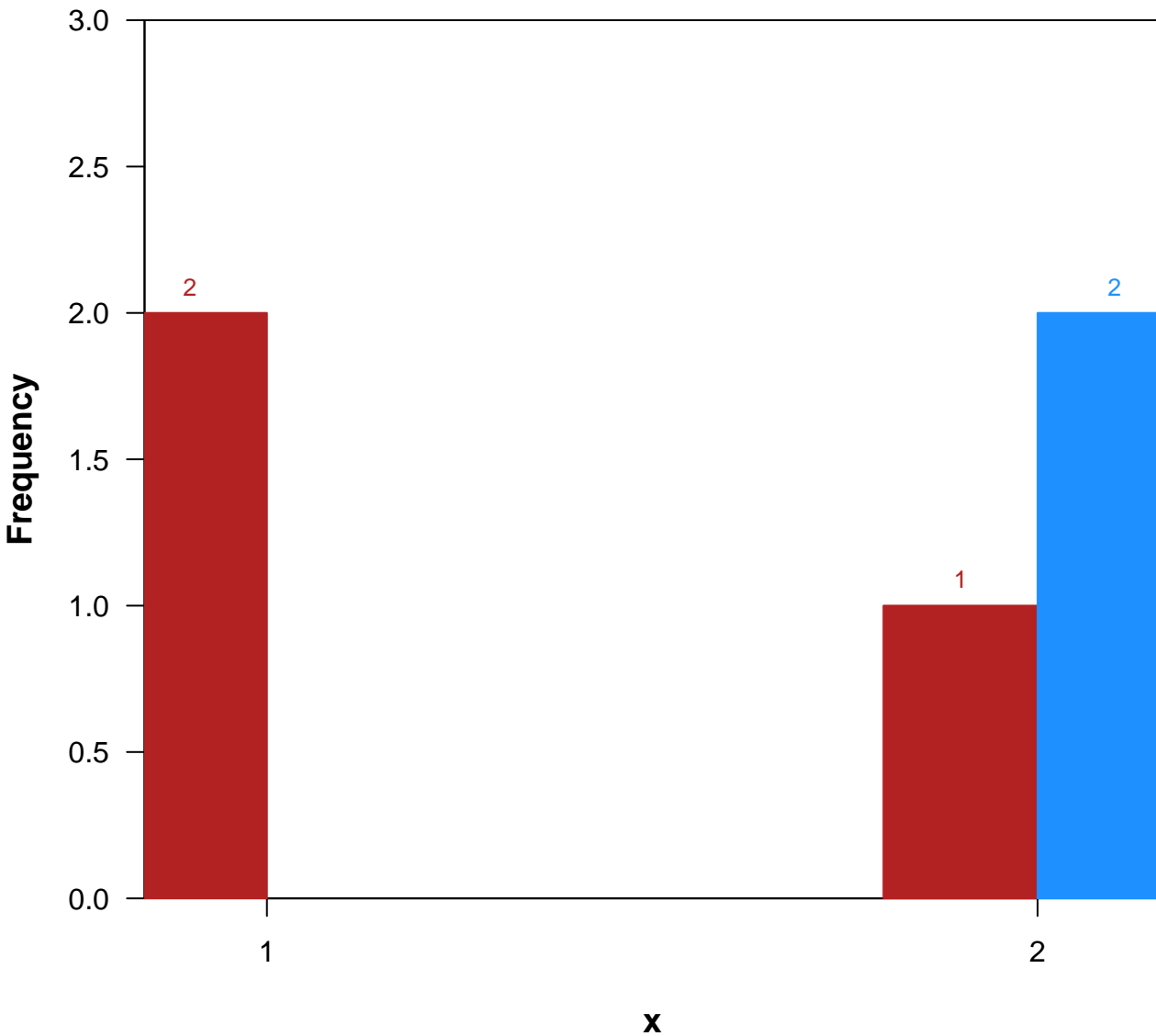
# Distribution of x

(N=5)



# Distribution of x

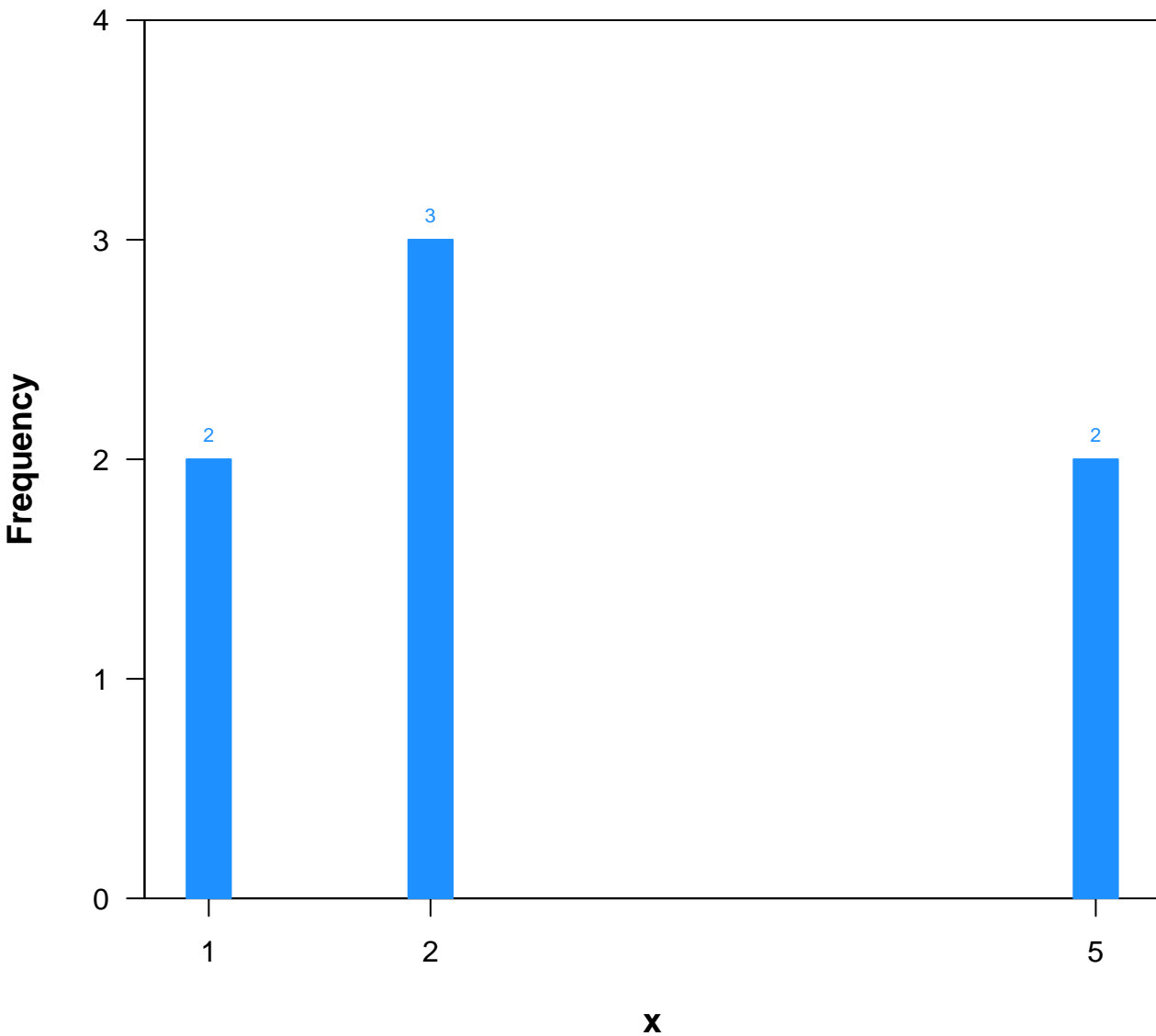
( $N=5$ )





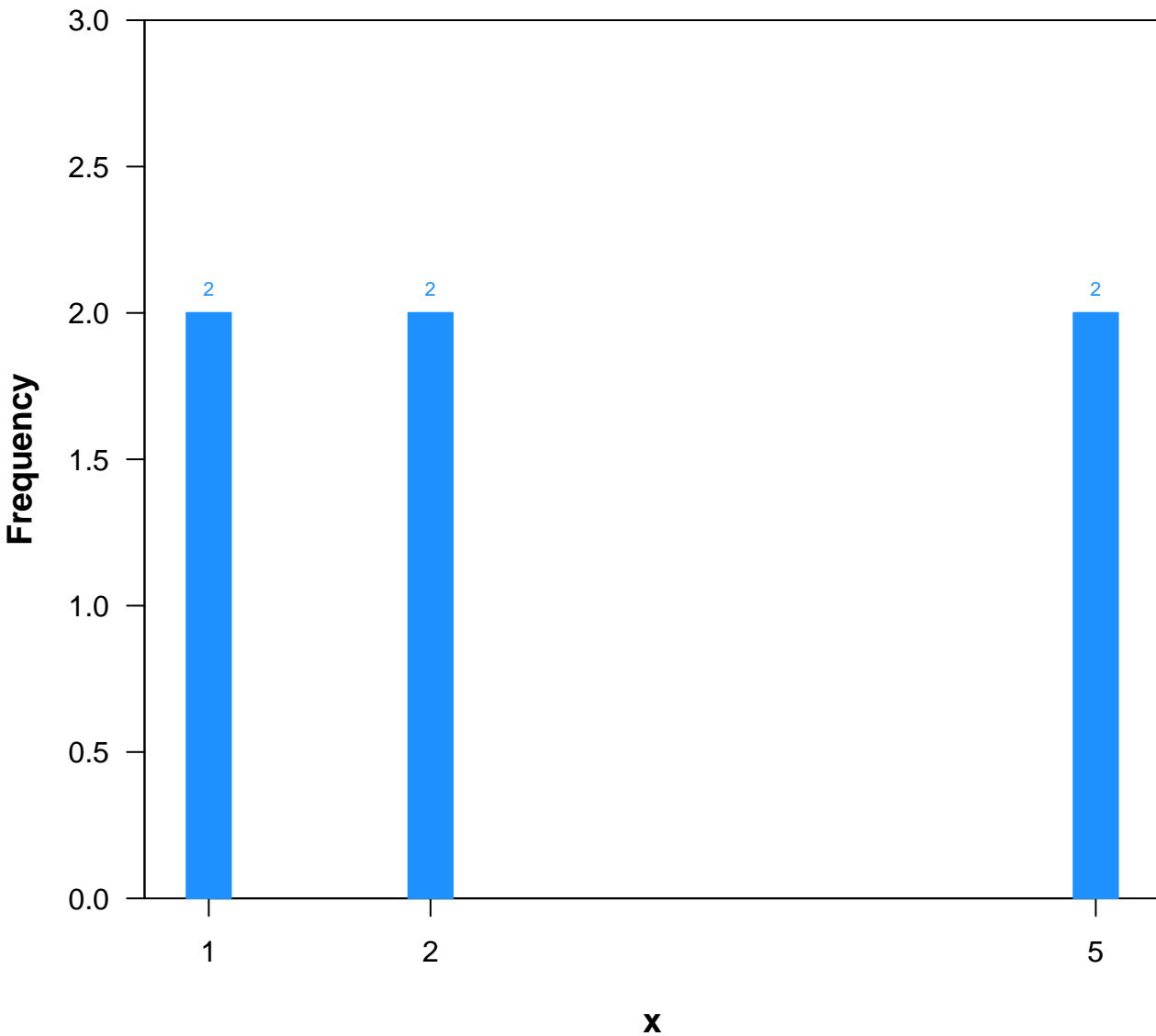
# Distribution of x

( $N=7$ )



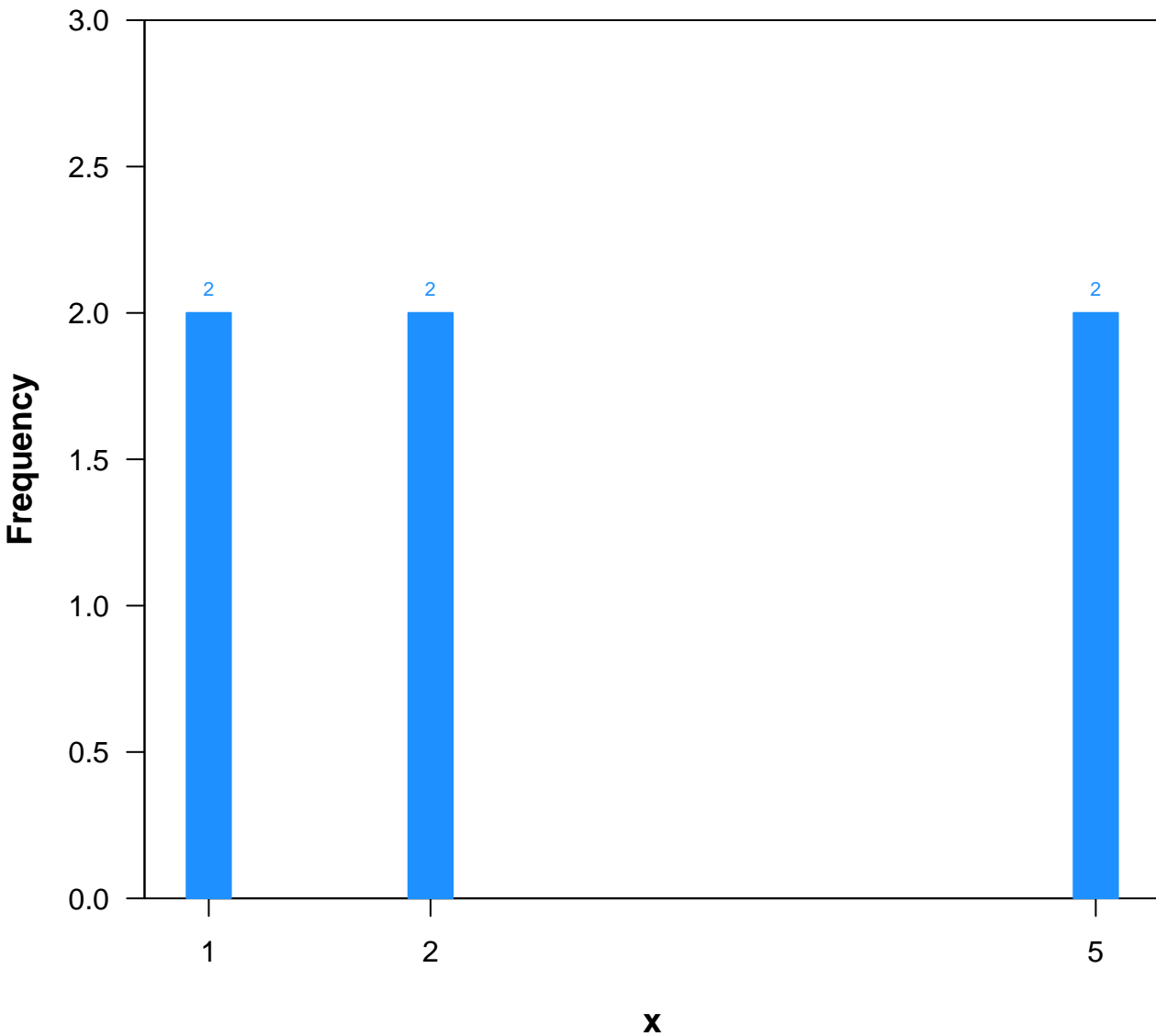
# Distribution of x

( $N=6$ )



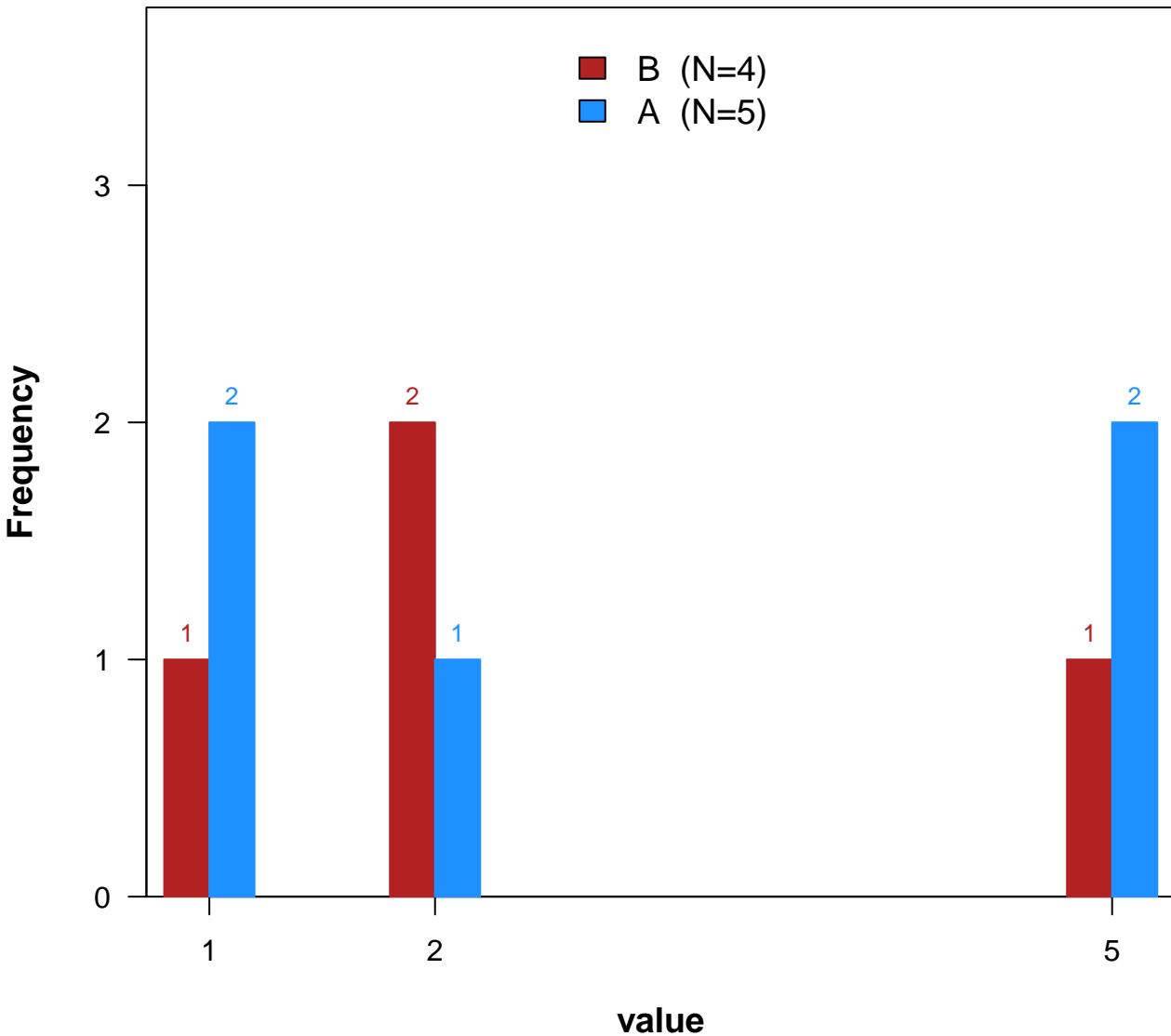
# Distribution of x

(N=6)



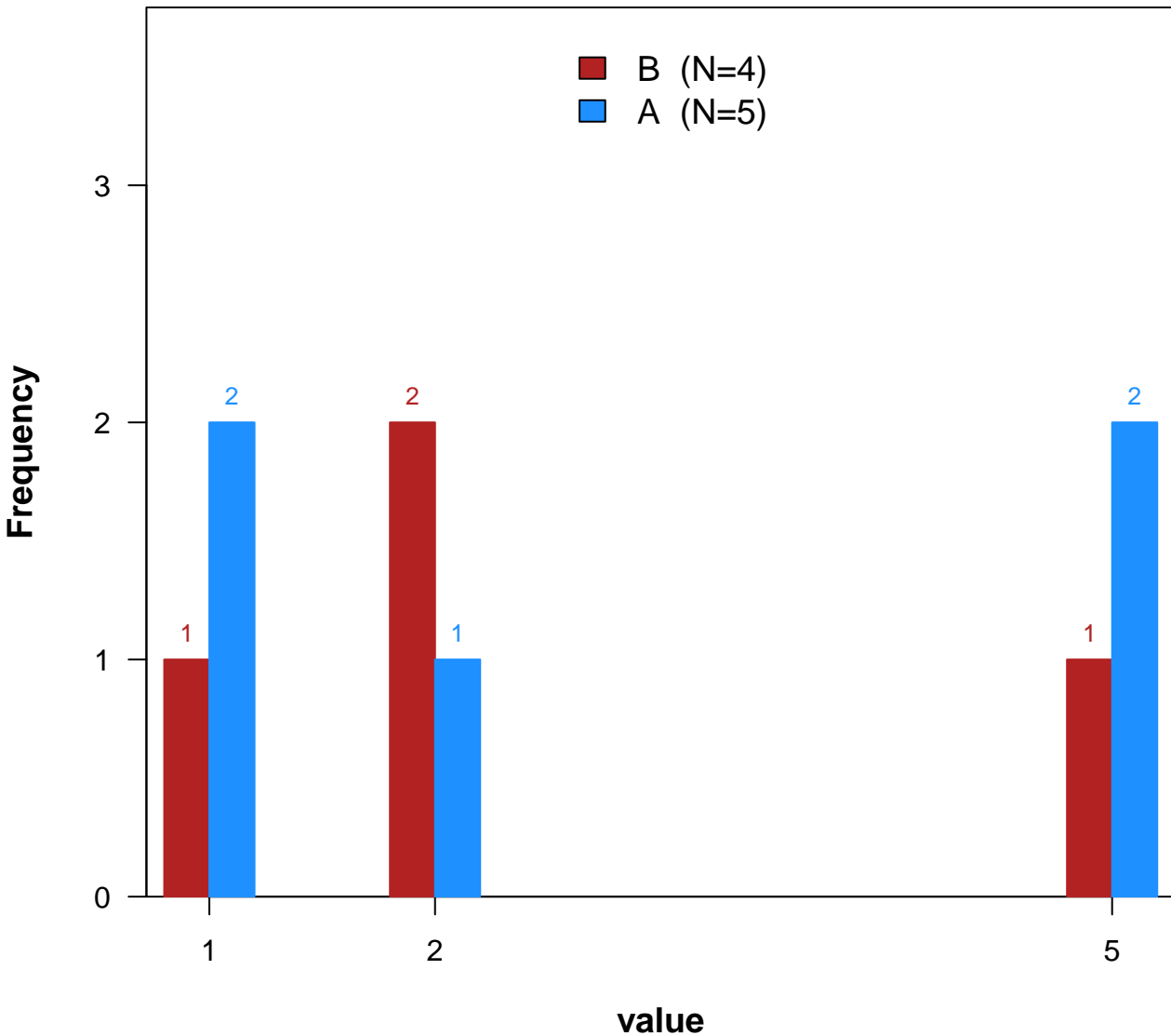
# Distribution of value

(N=9)



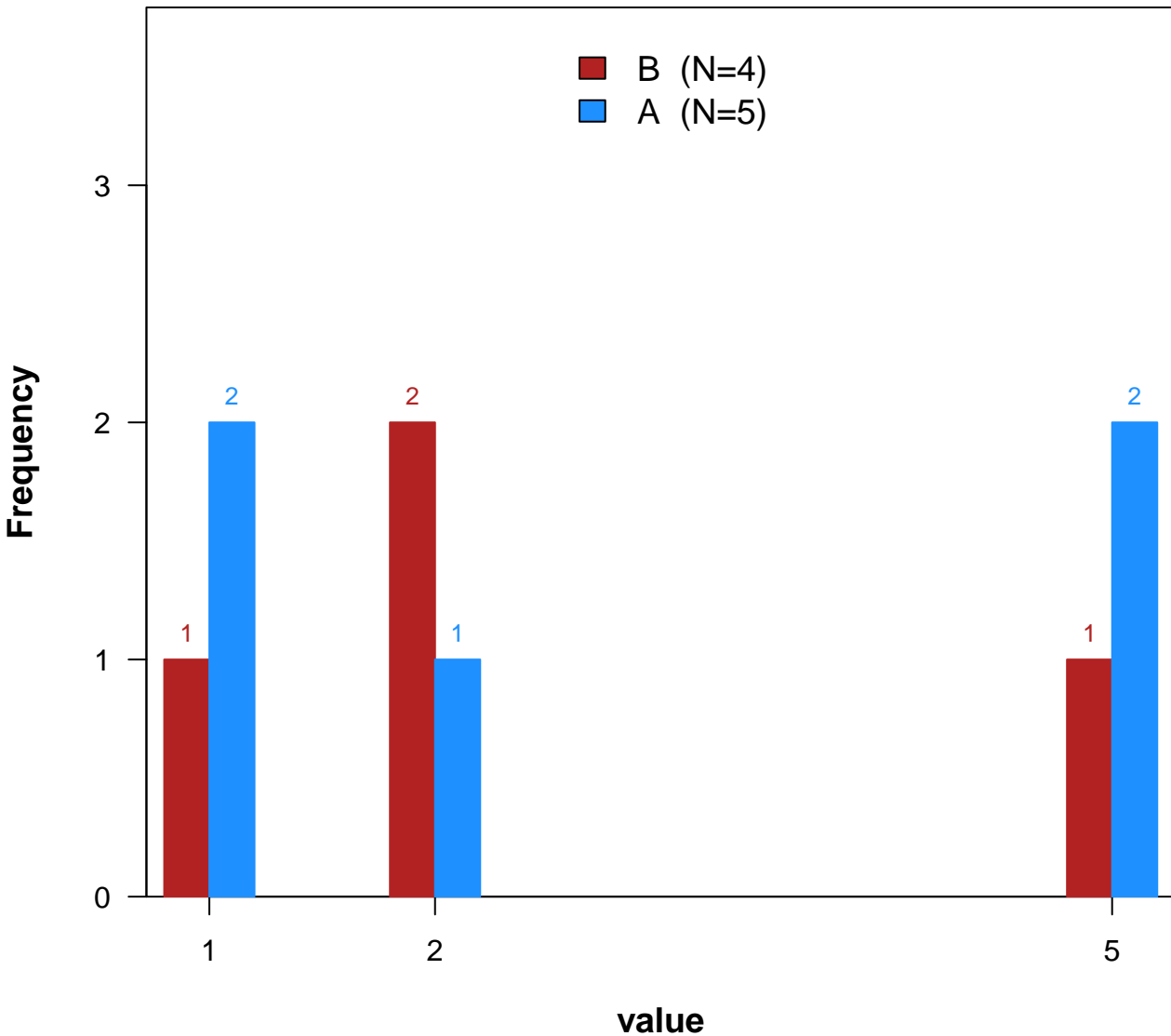
# Distribution of value

(N=9)



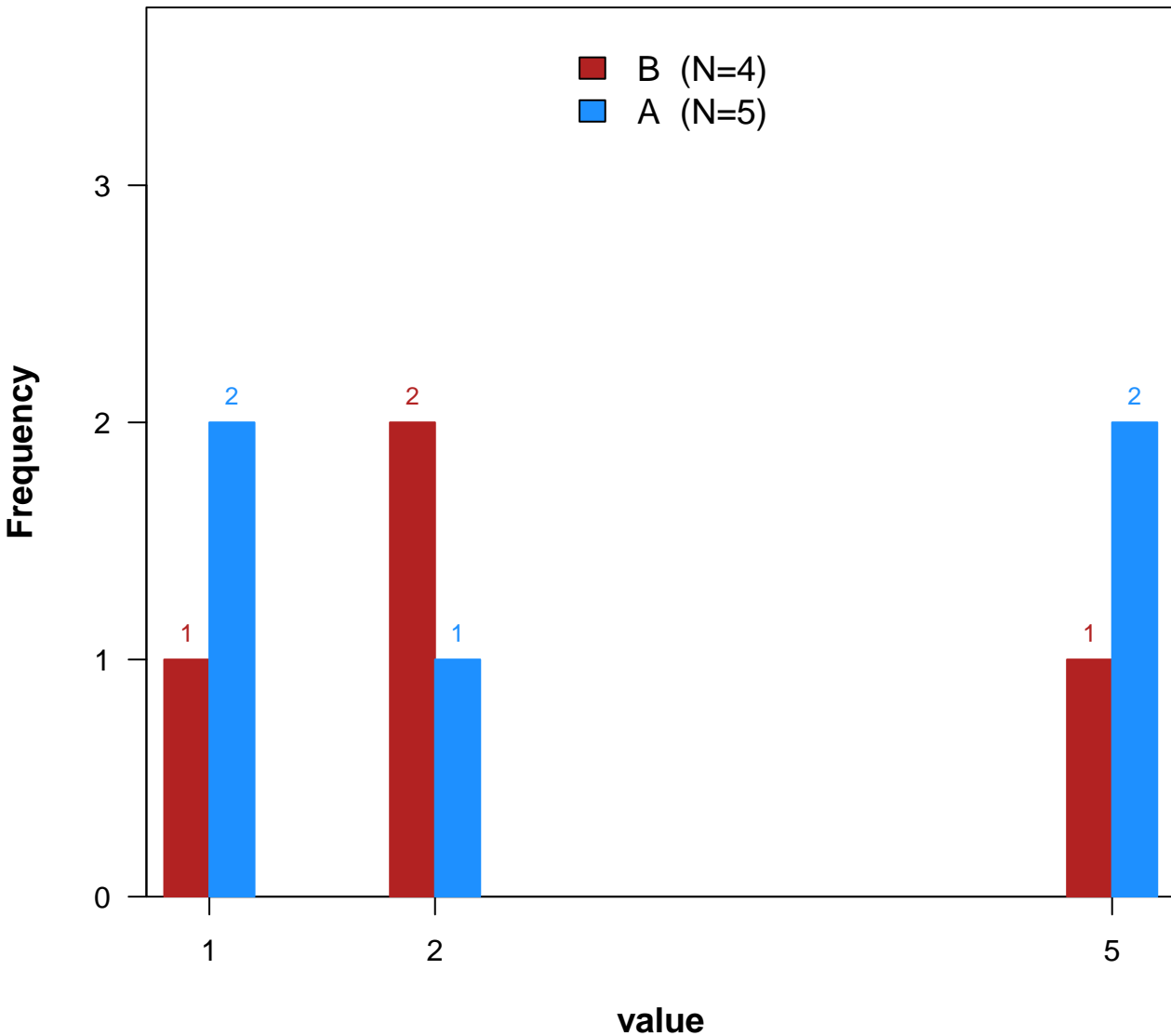
# Distribution of value

(N=9)



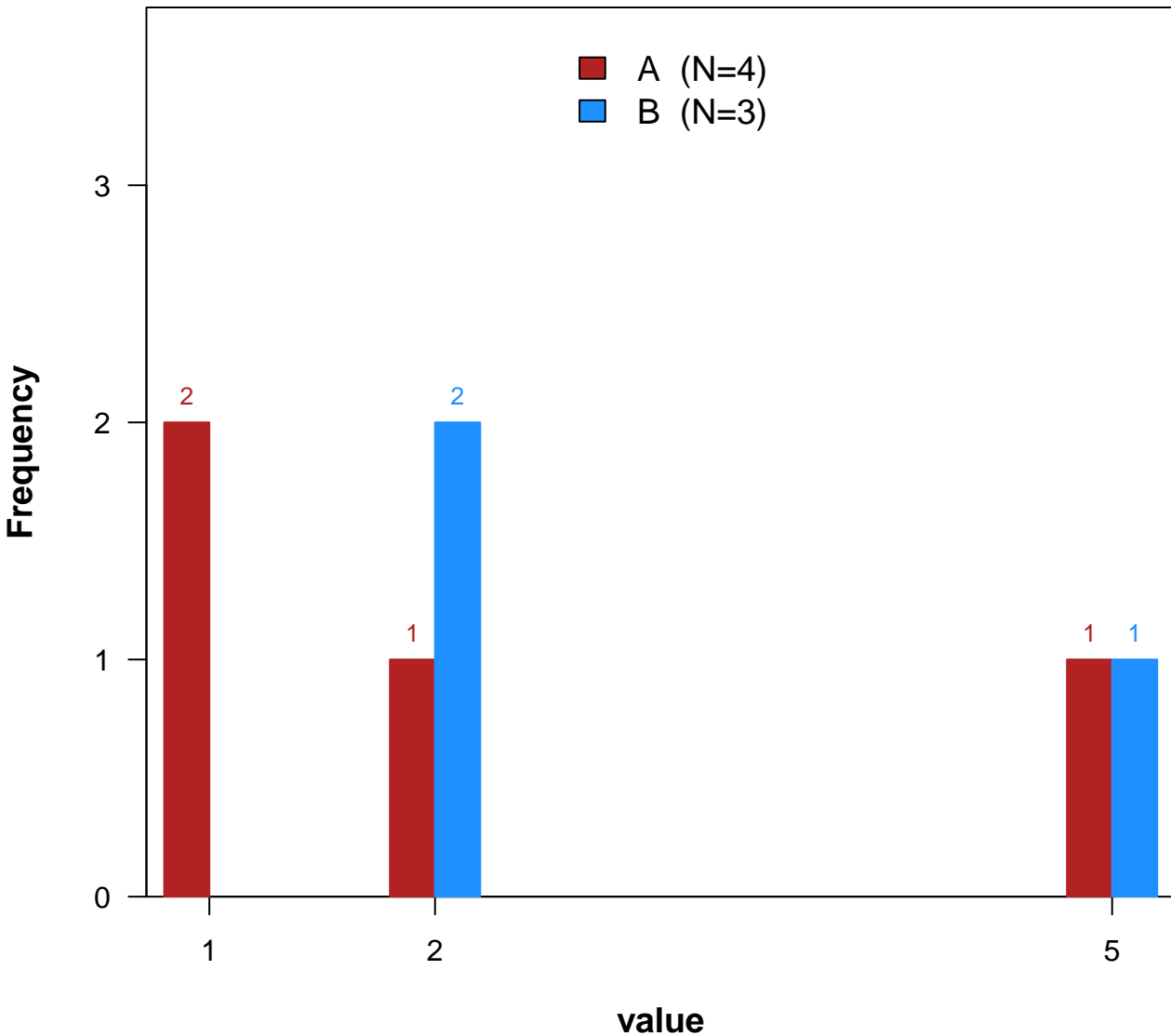
# Distribution of value

(N=9)



# Distribution of value

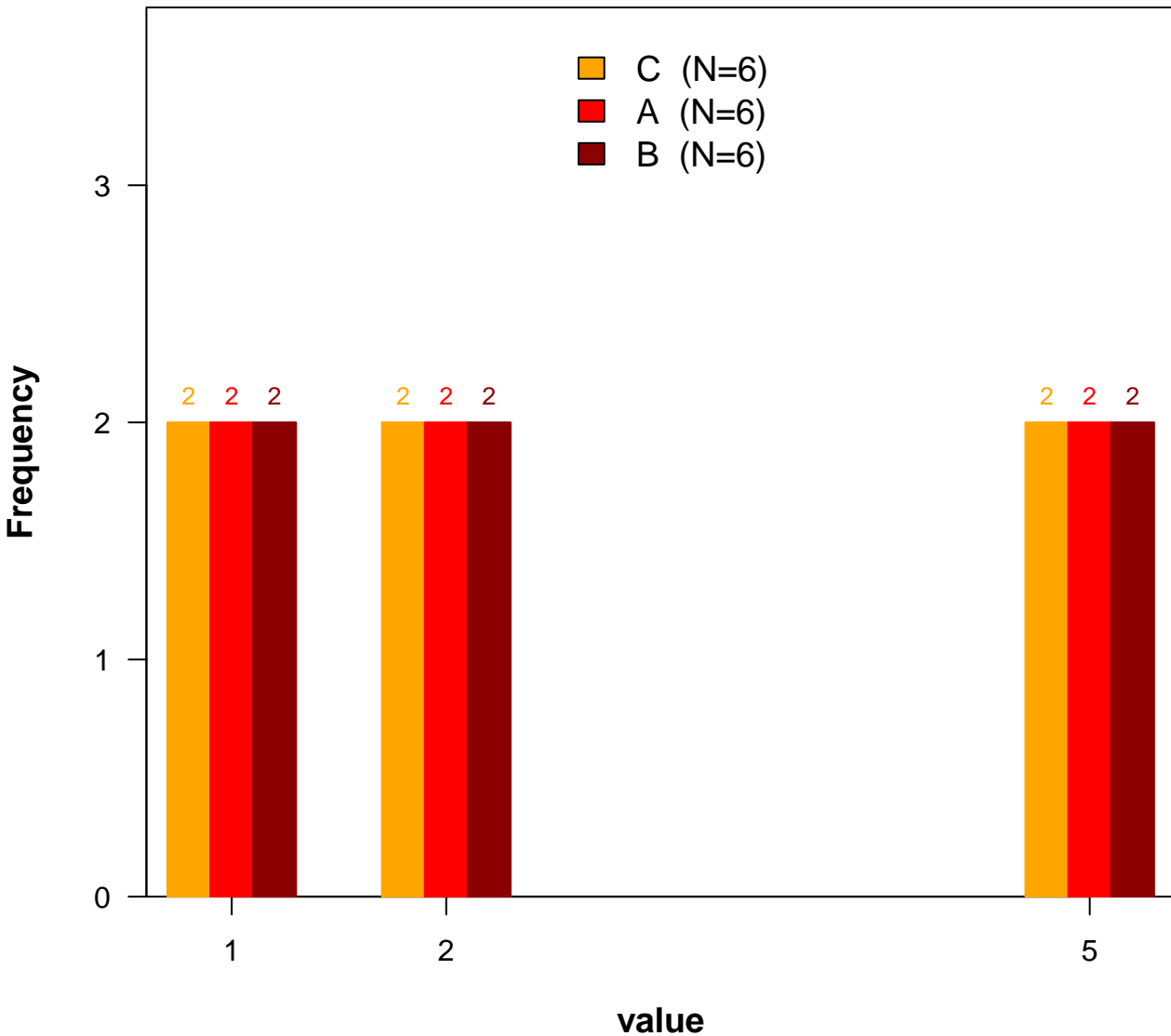
(N=7)





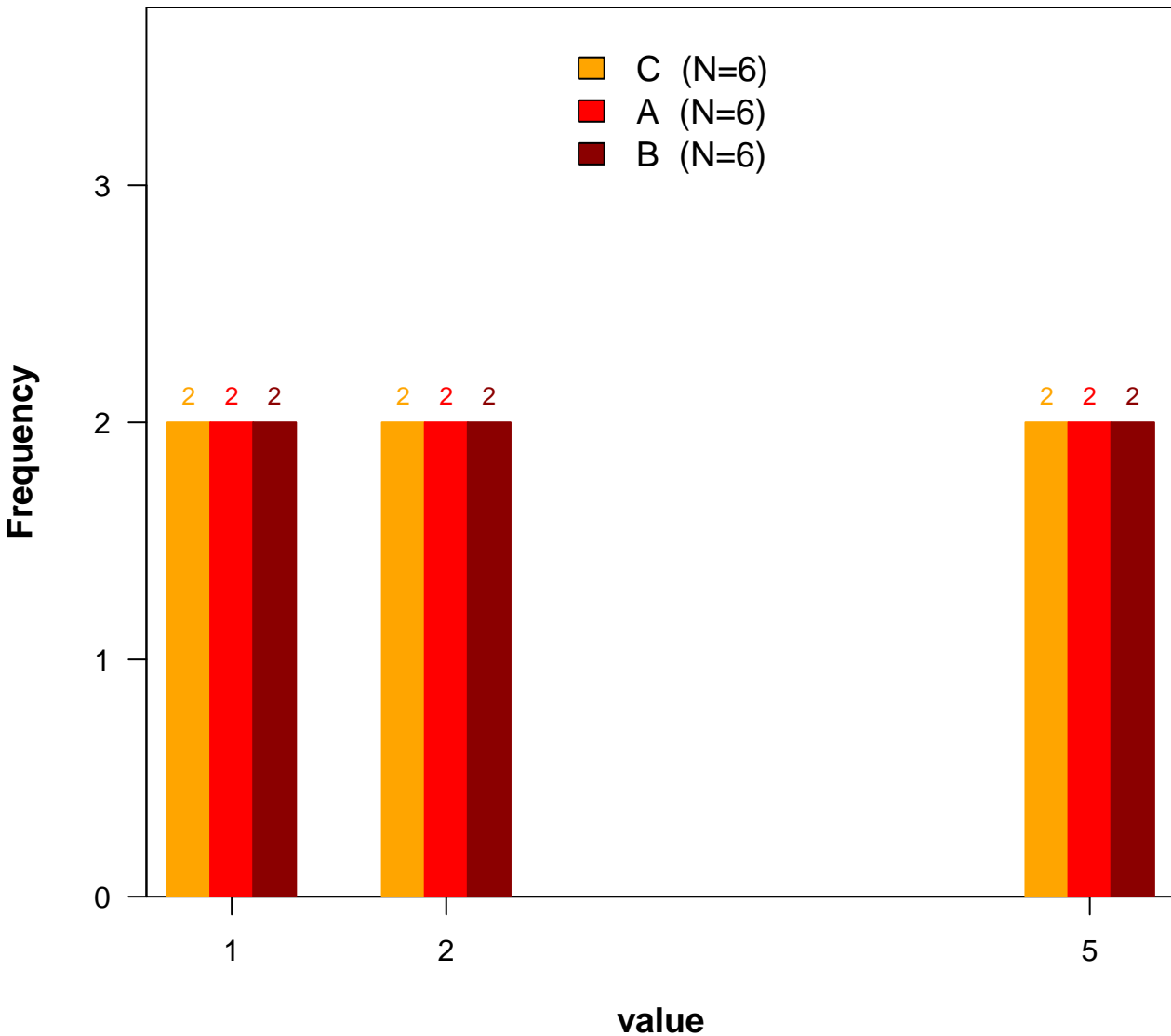
# Distribution of value

(N=18)



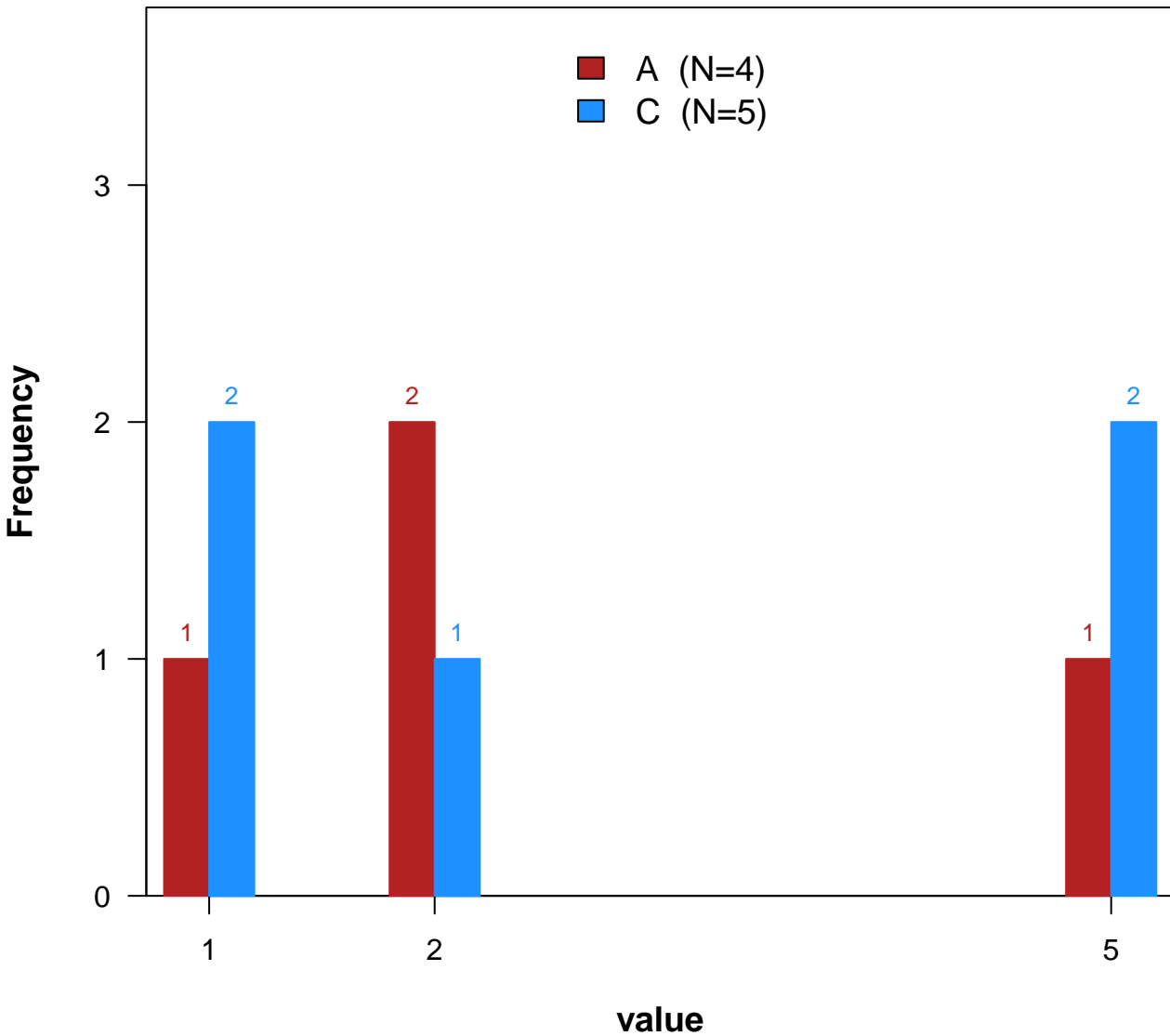
# Distribution of value

(N=18)



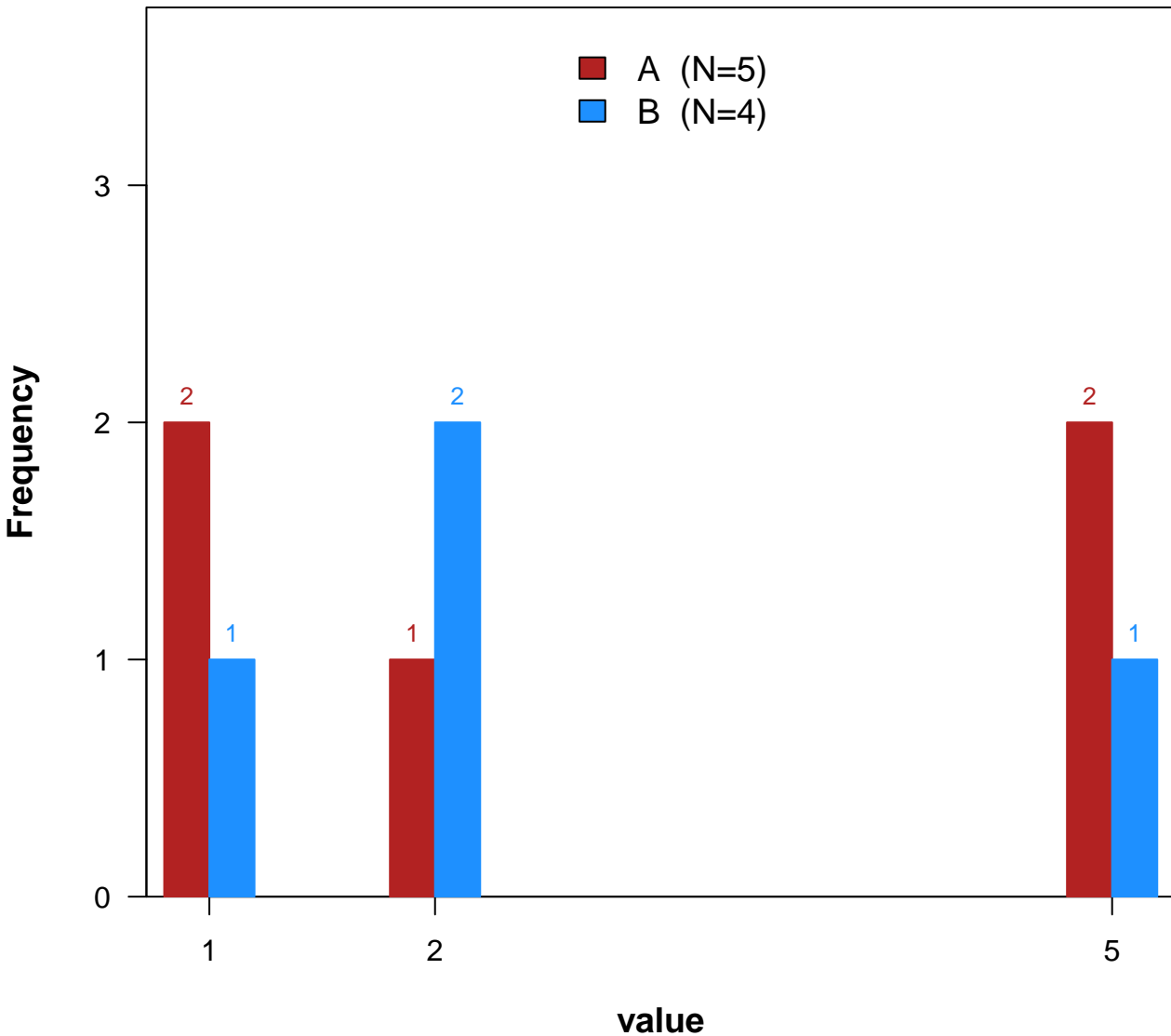
# Distribution of value

(N=9)



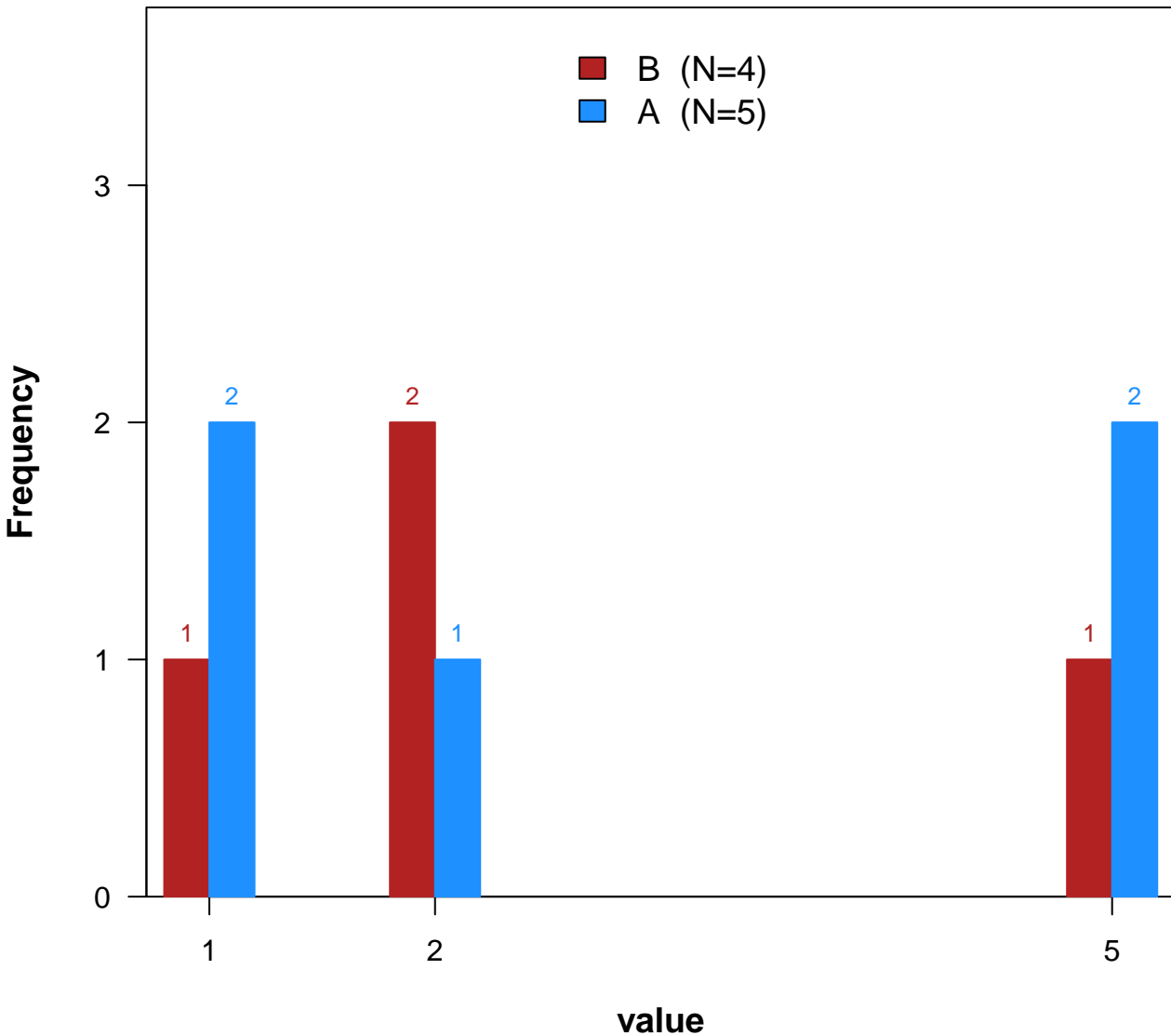
# Distribution of value

(N=9)



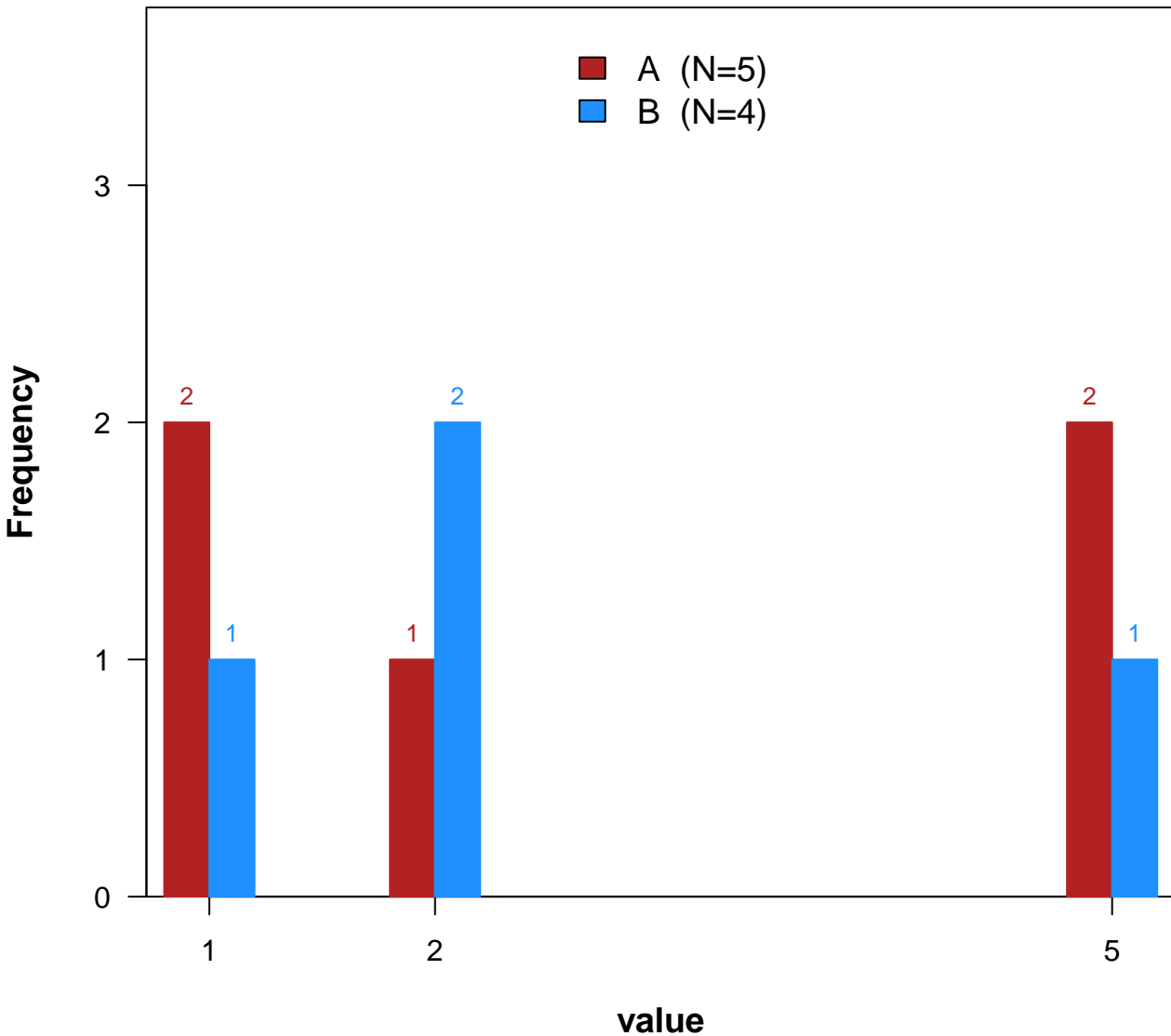
# Distribution of value

(N=9)



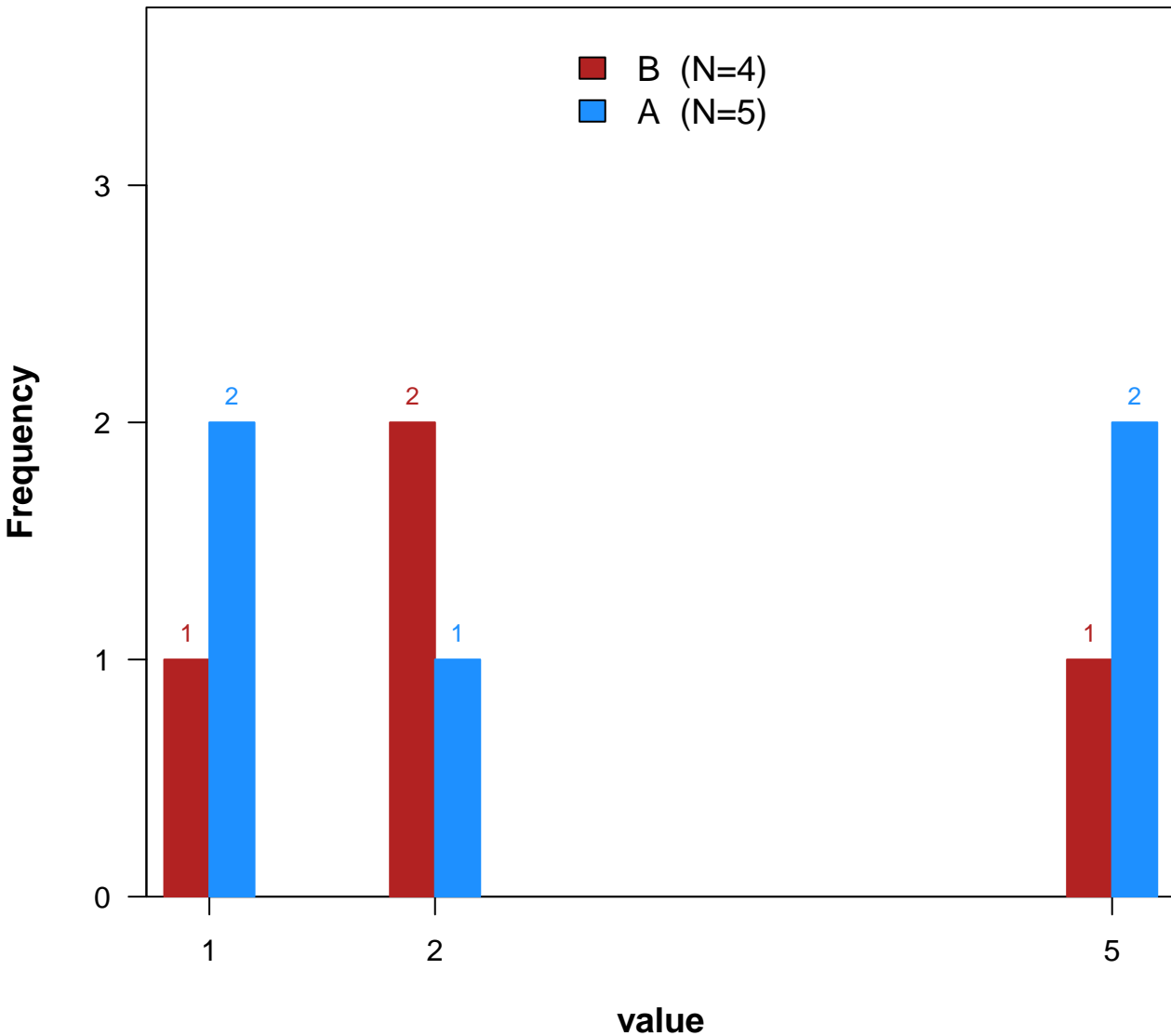
# Distribution of value

(N=9)



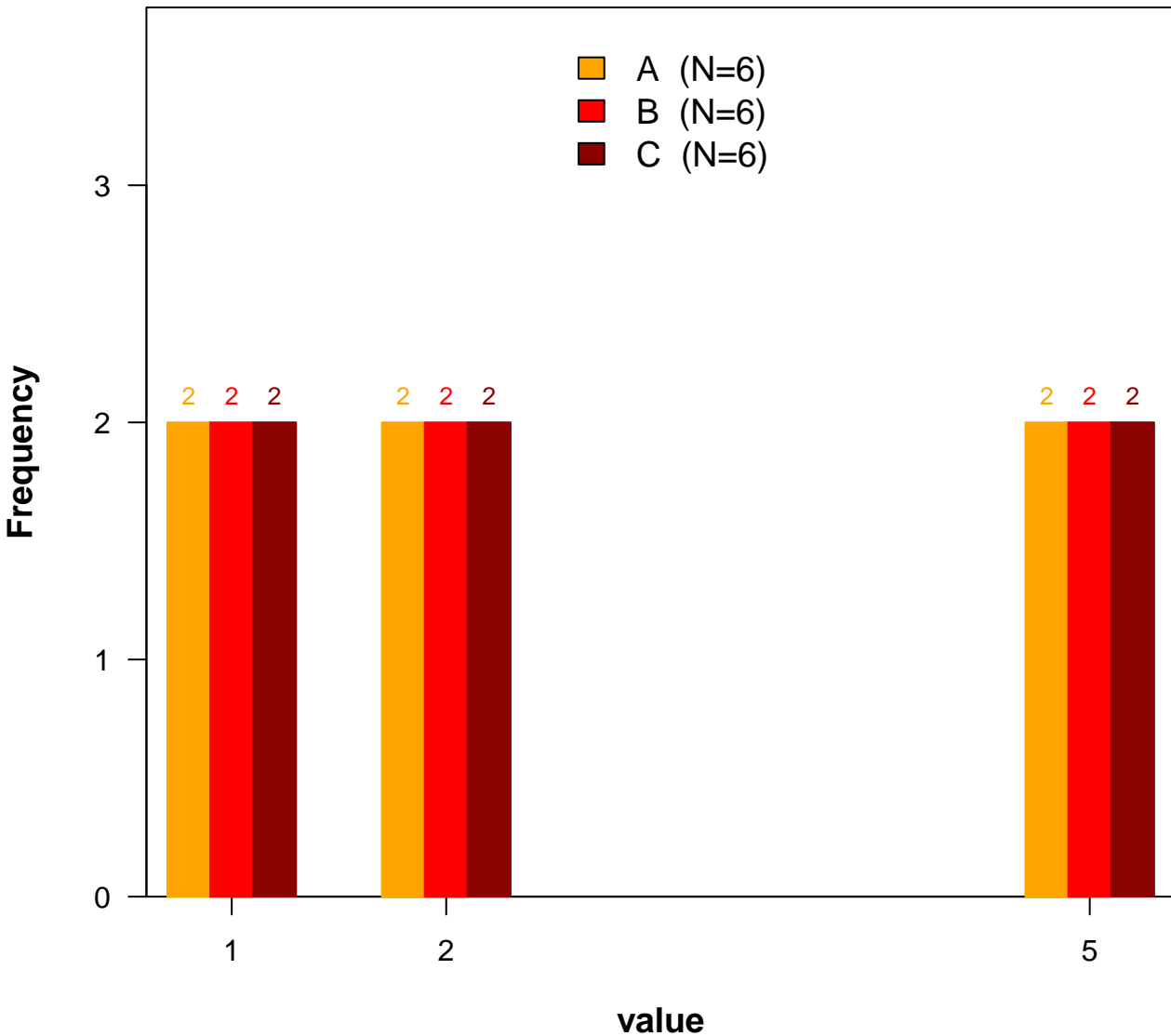
# Distribution of value

(N=9)



# Distribution of value

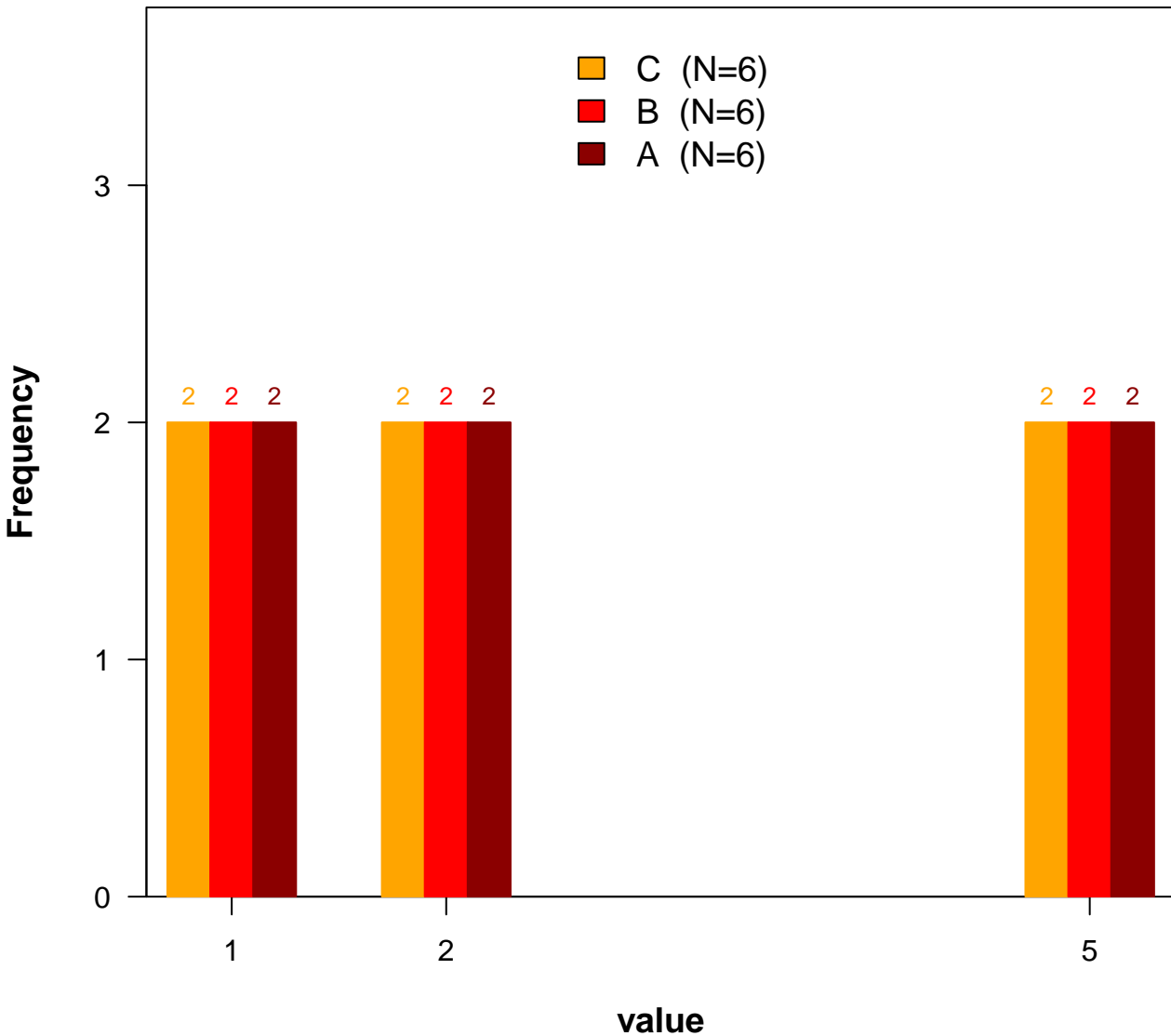
(N=18)





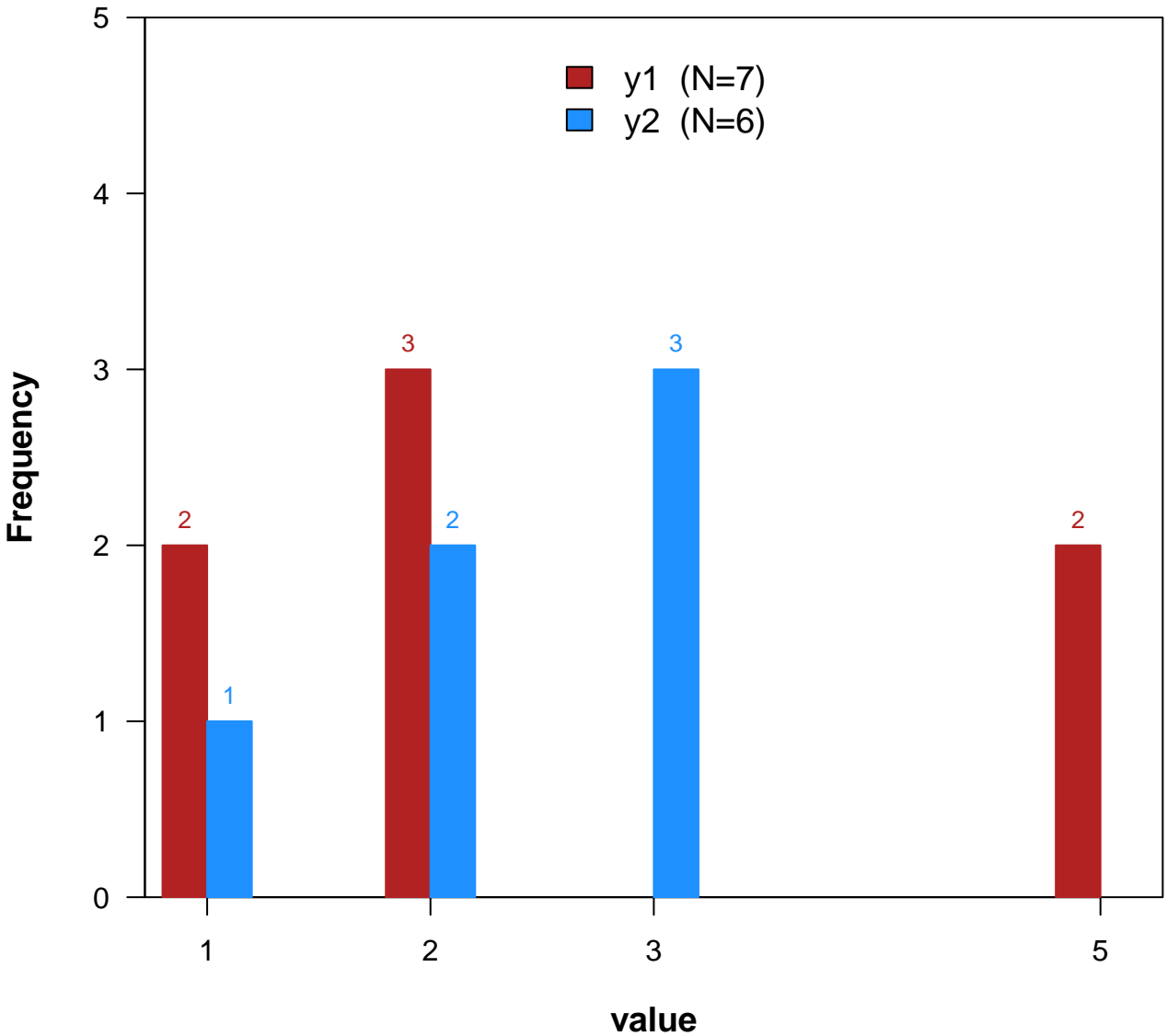
# Distribution of value

(N=18)



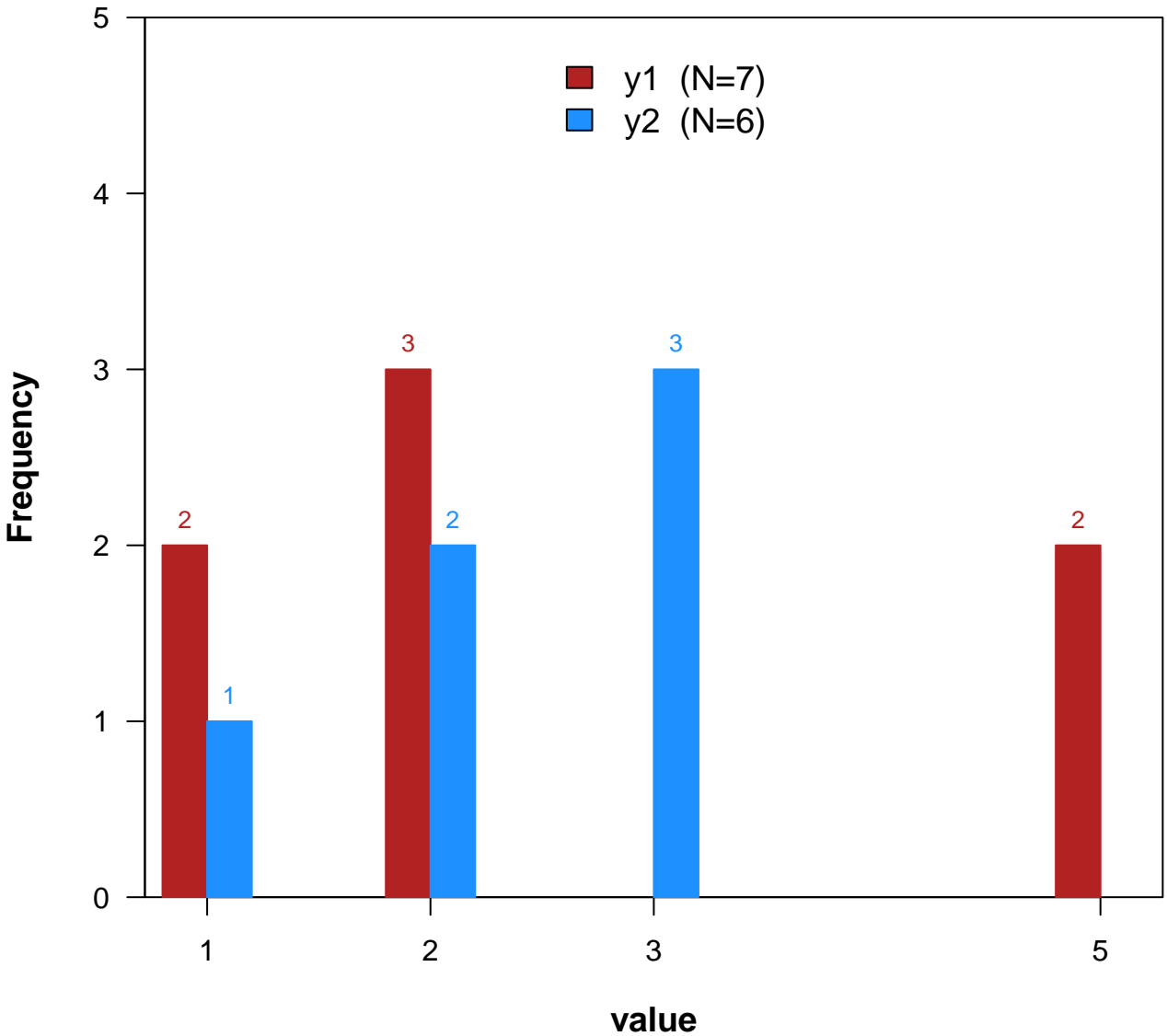
# Distribution of value

(N=13)



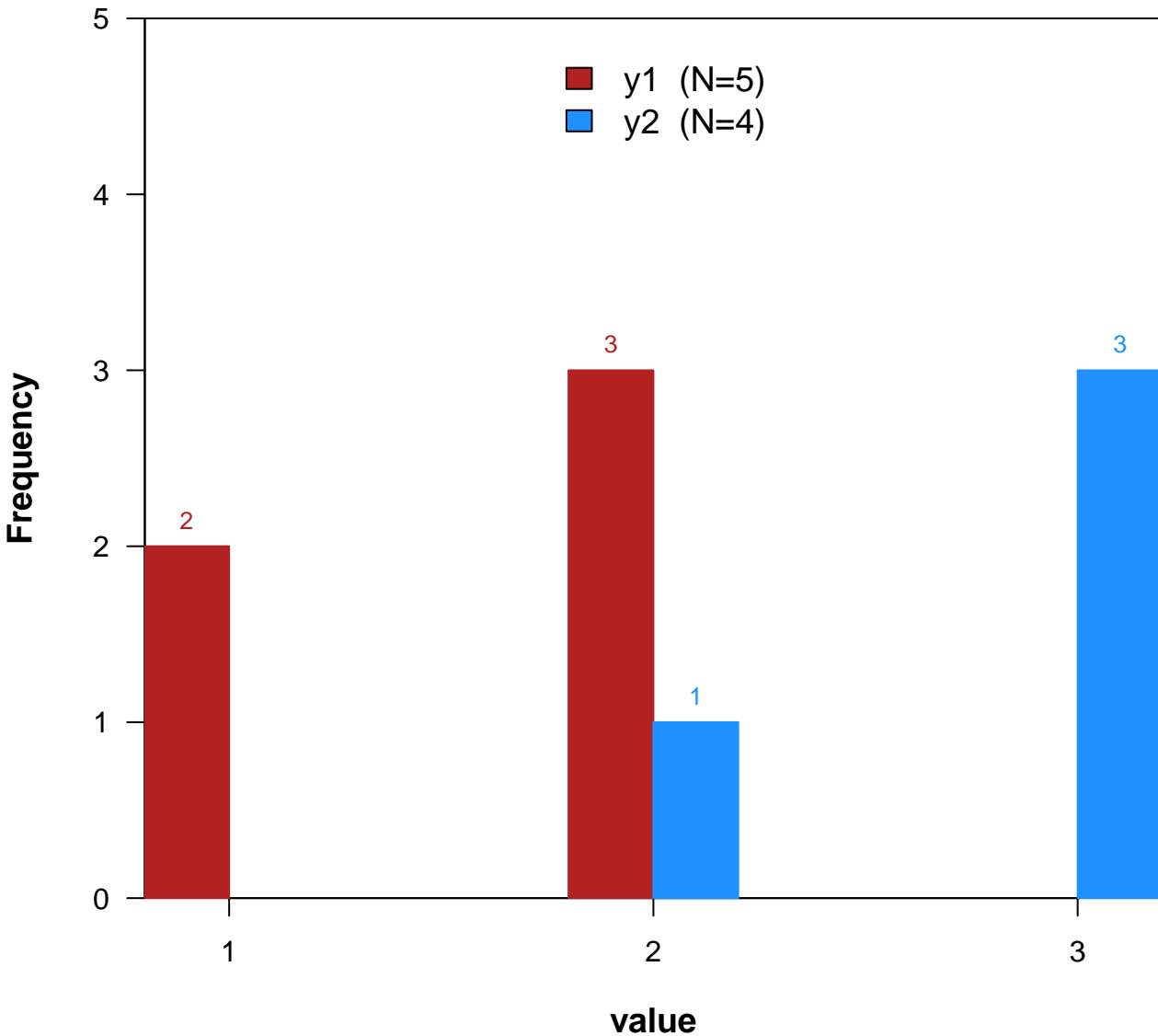
# Distribution of value

(N=13)



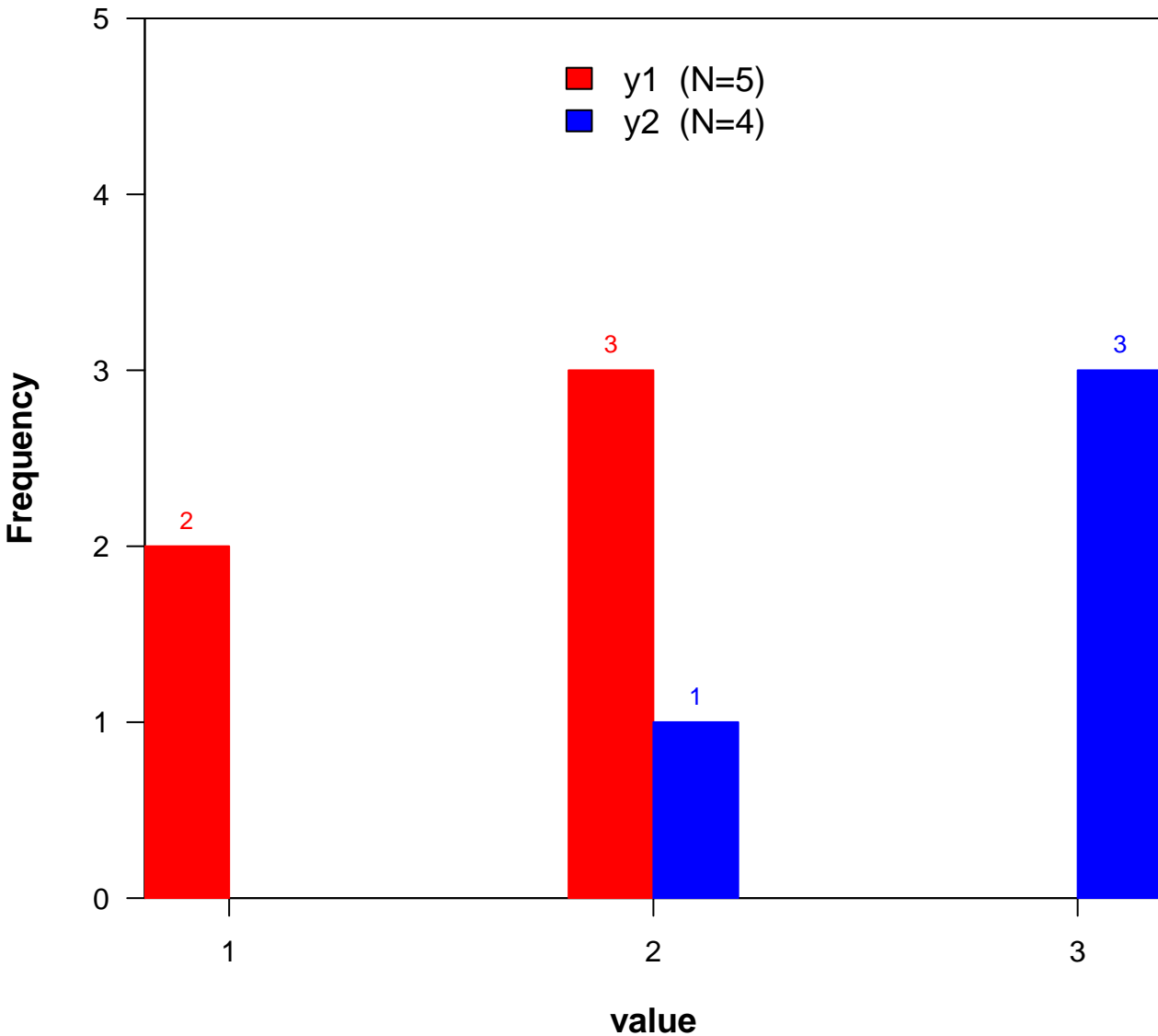
# Distribution of value

(N=9)



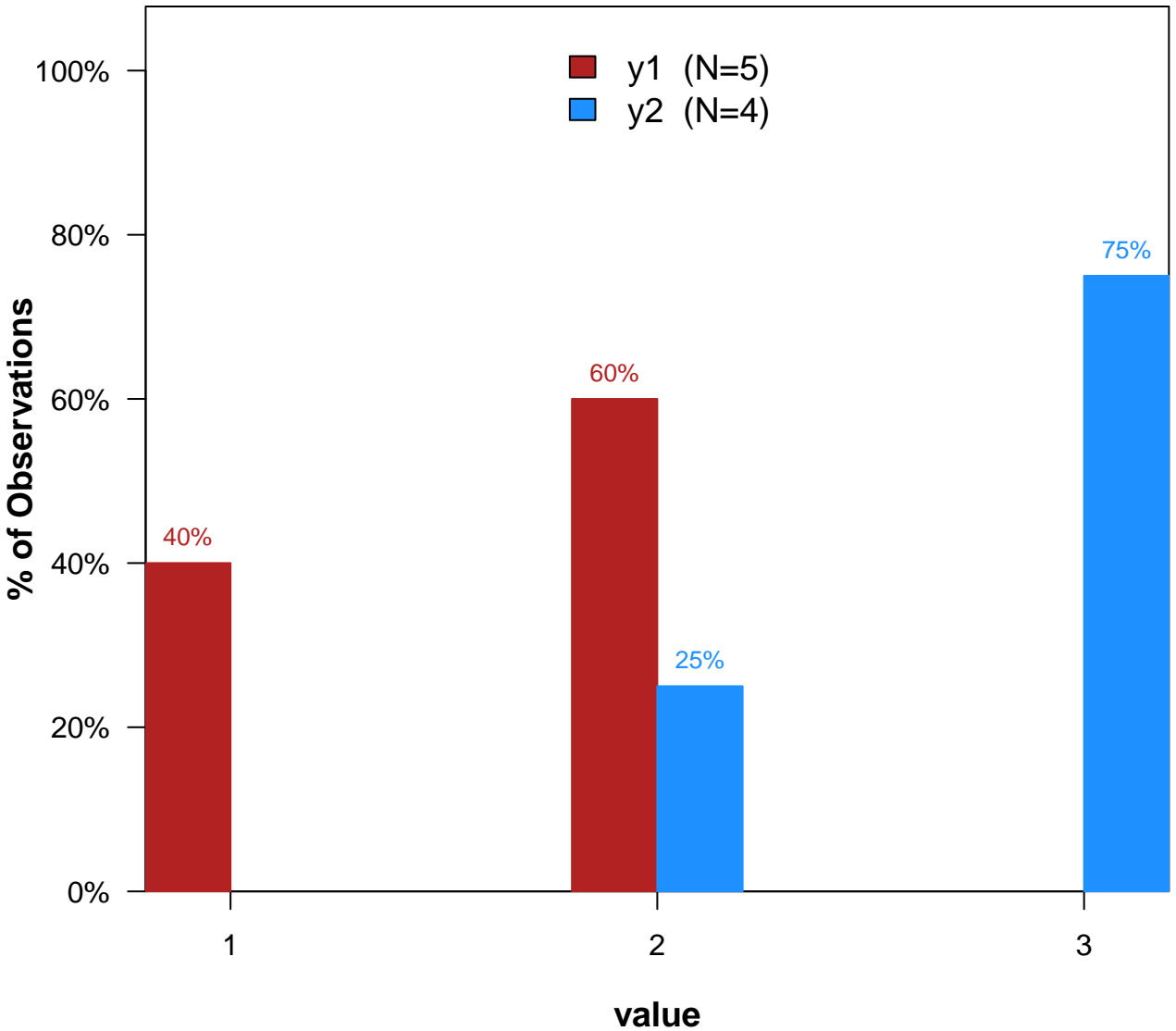
# Distribution of value

(N=9)



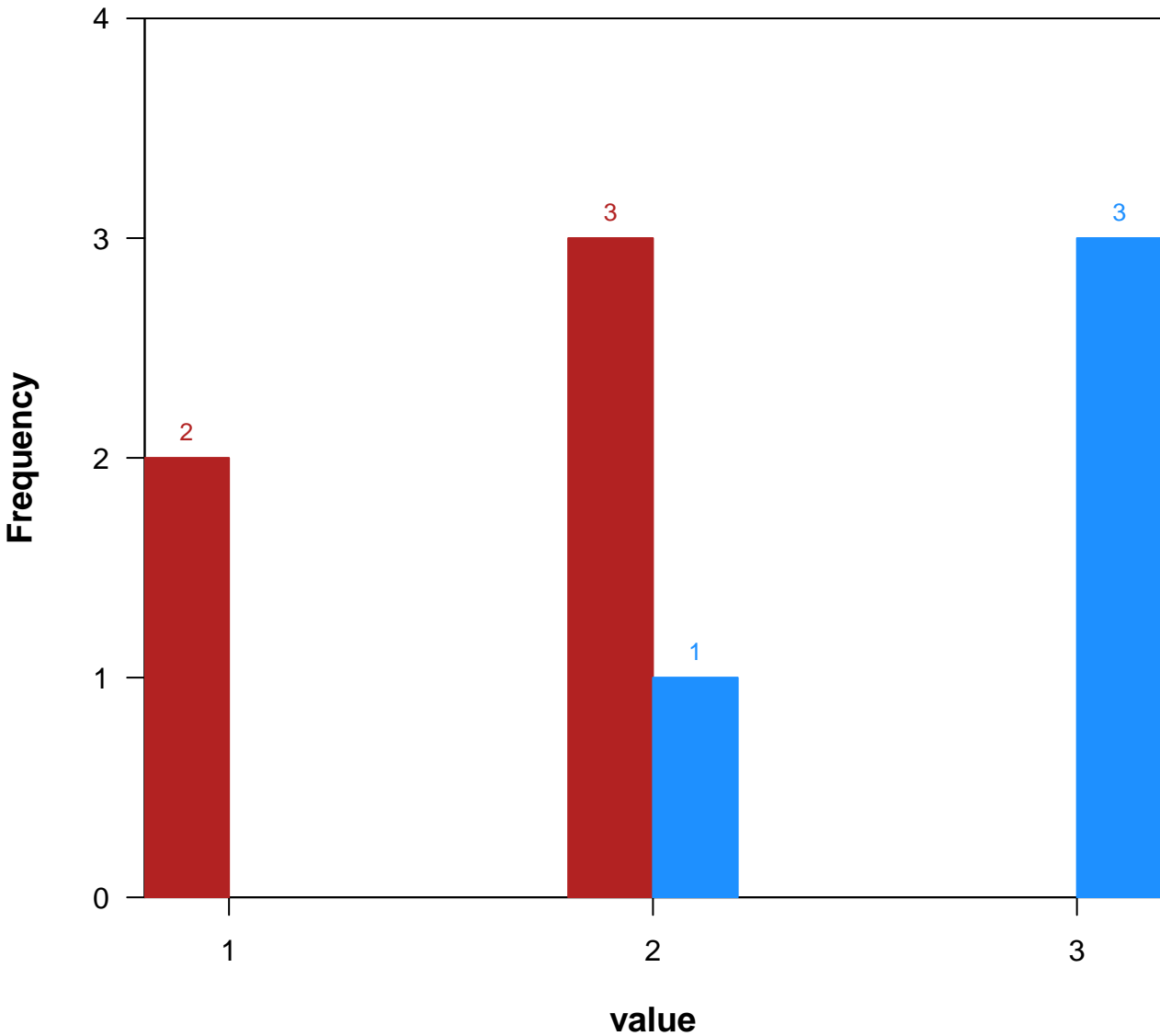
# Distribution of value

(N=9)



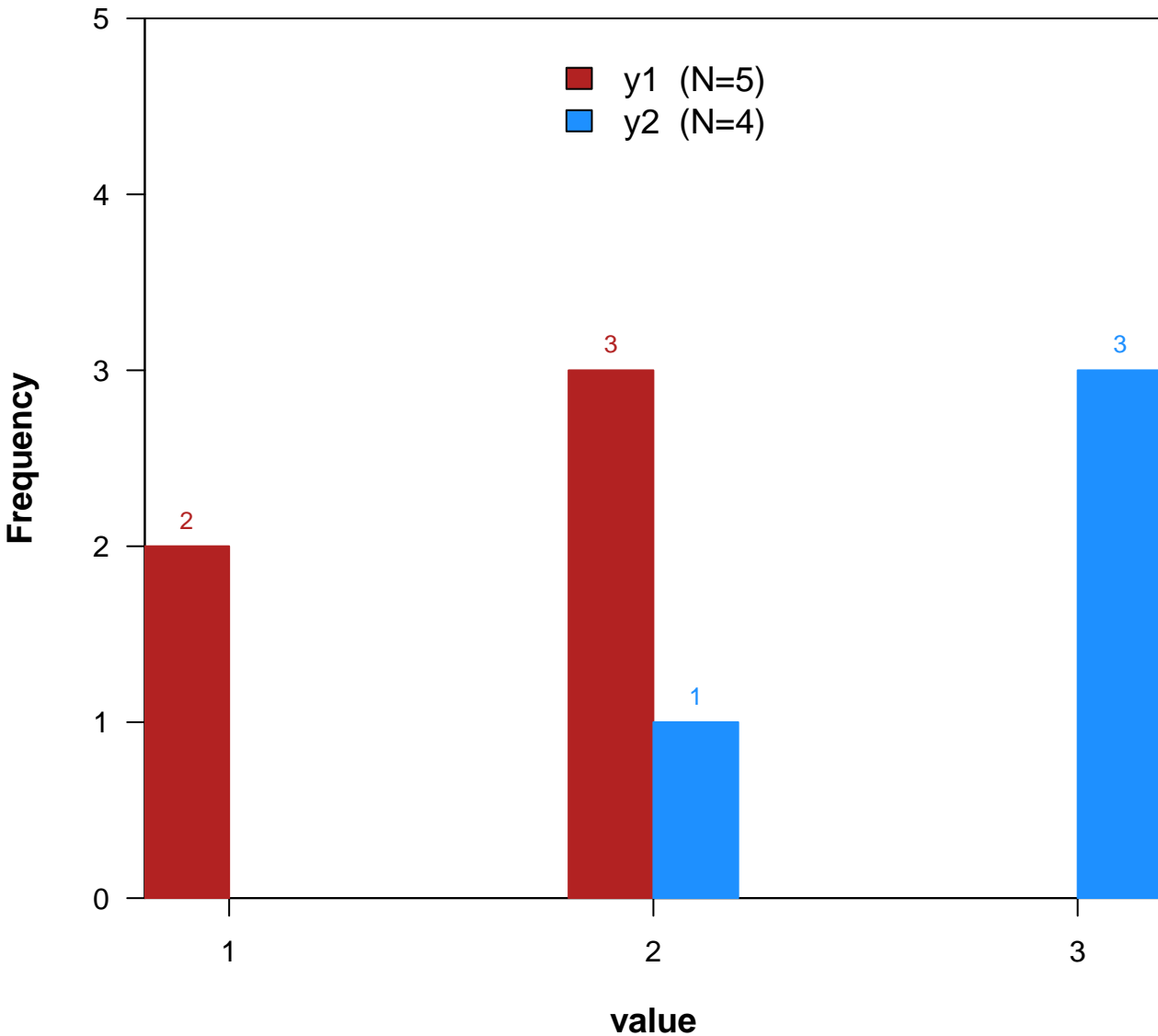
# Distribution of value

(N=9)



# Distribution of value

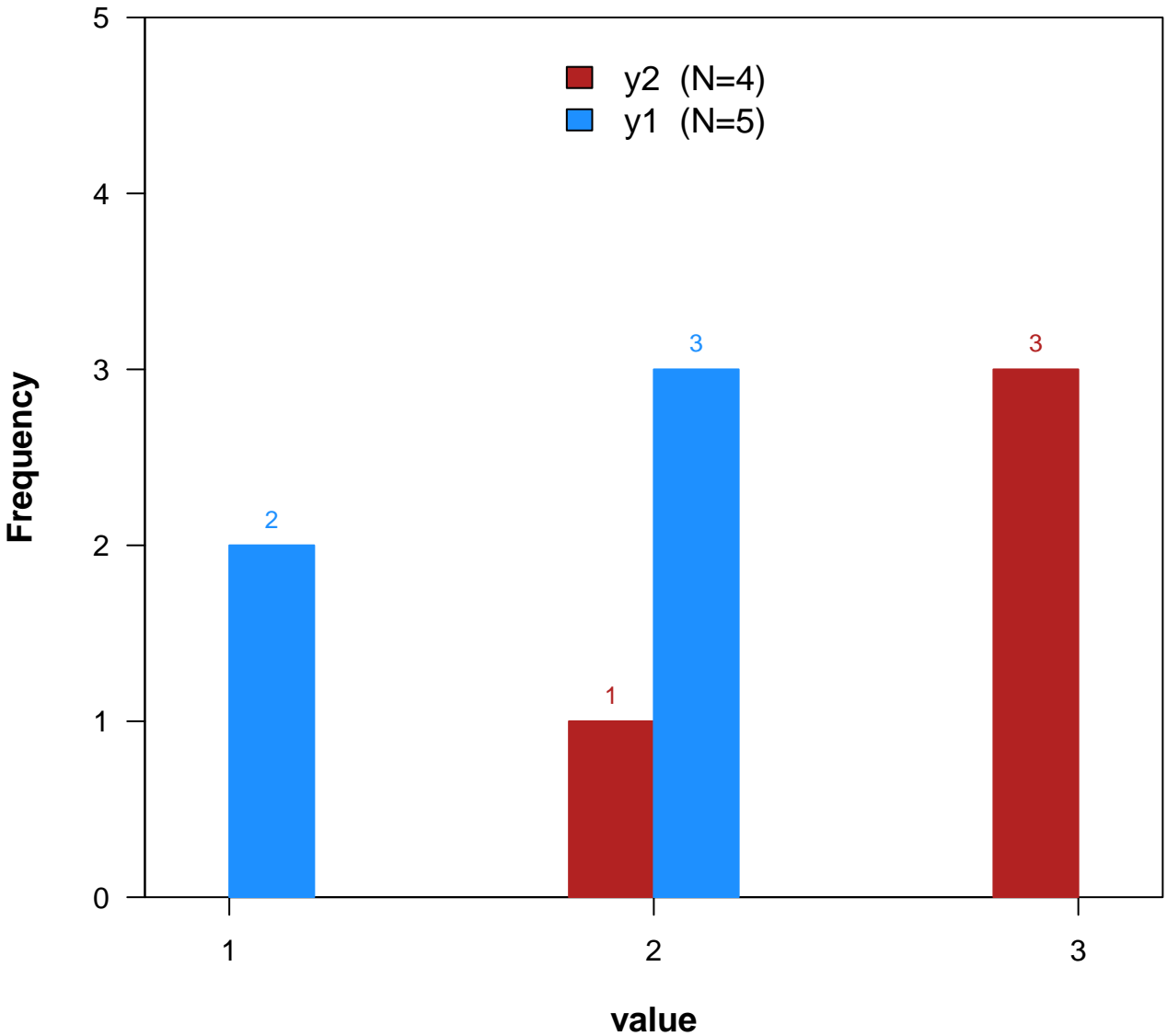
(N=9)





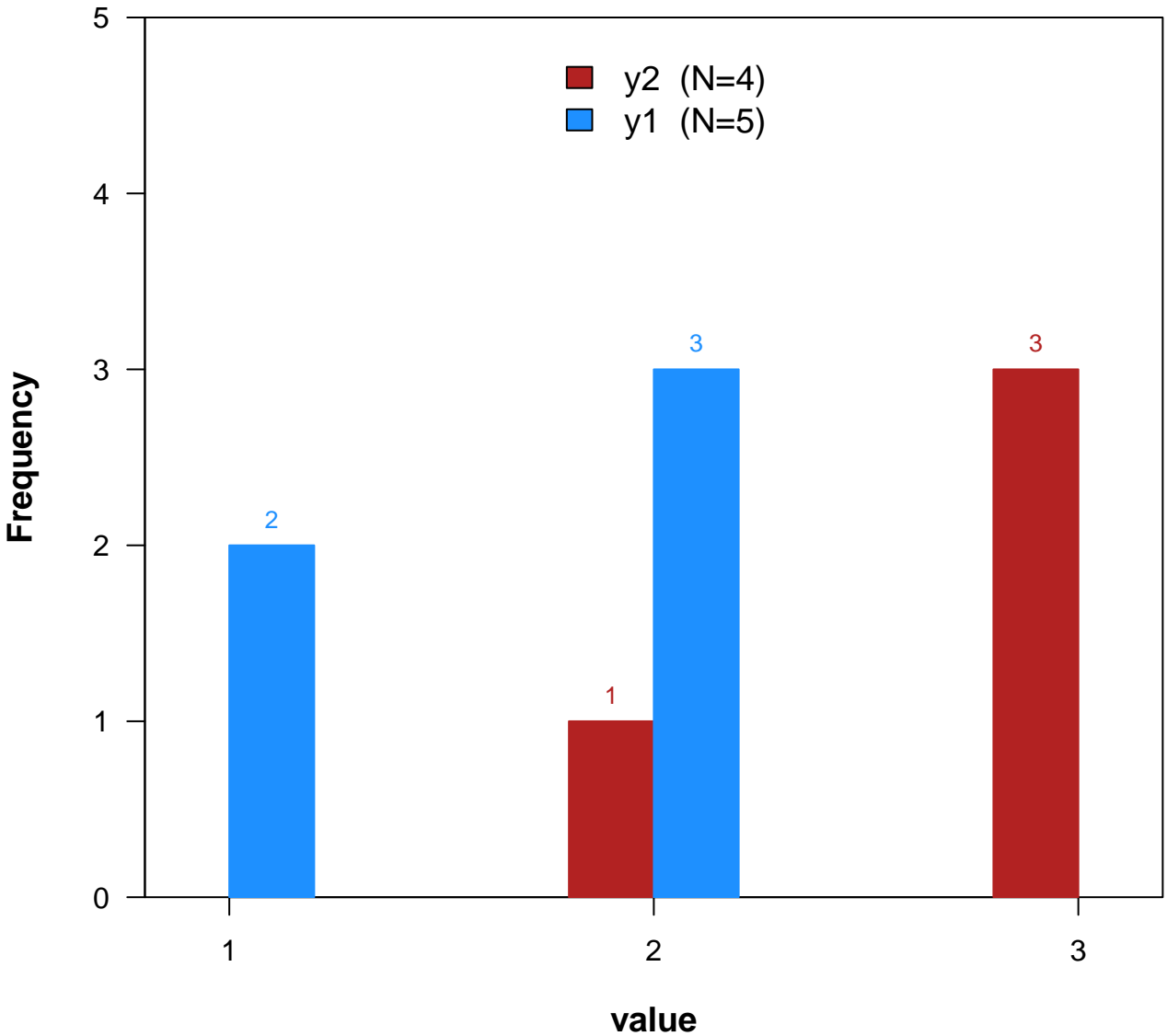
# Distribution of value

(N=9)



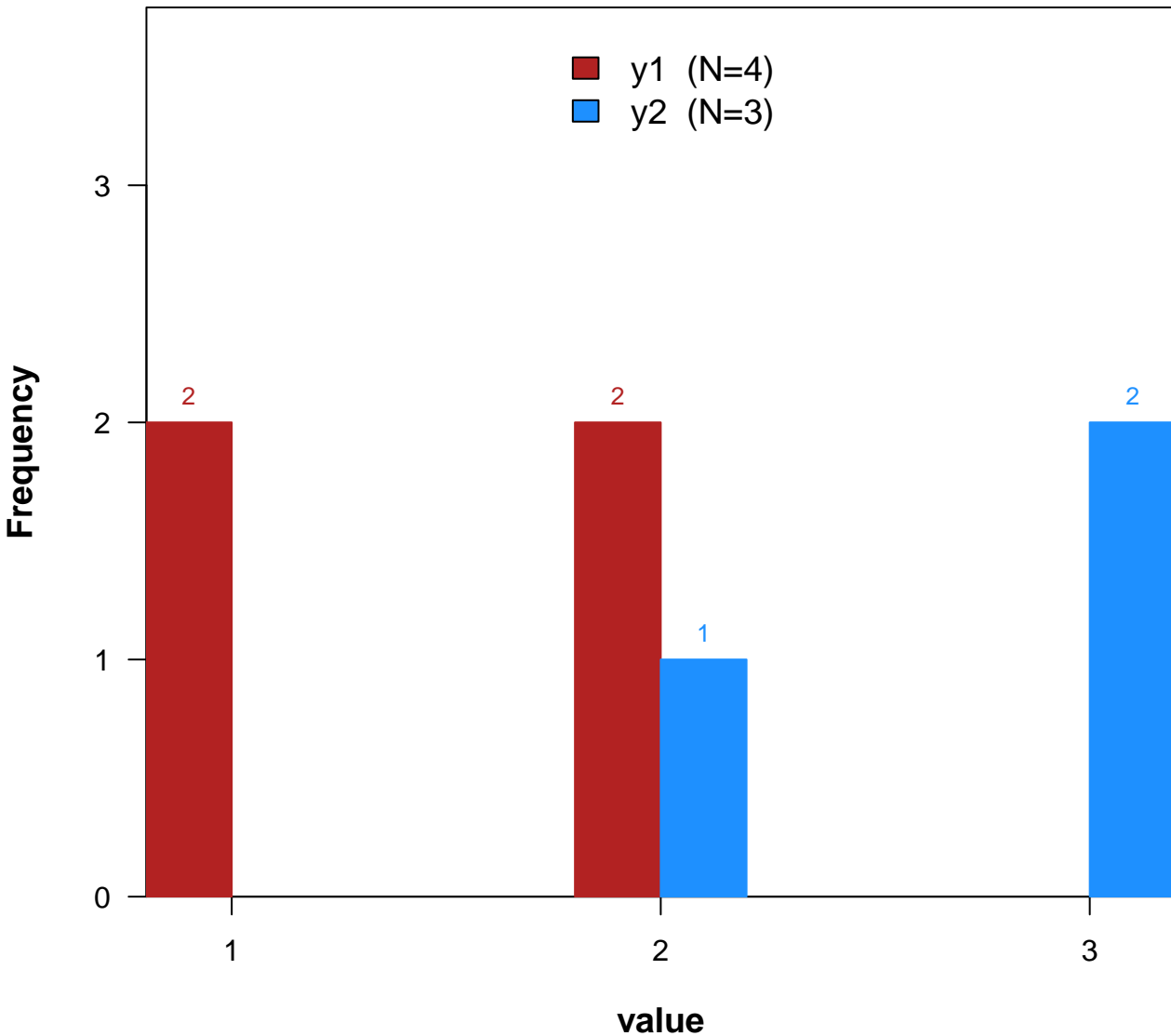
# Distribution of value

(N=9)



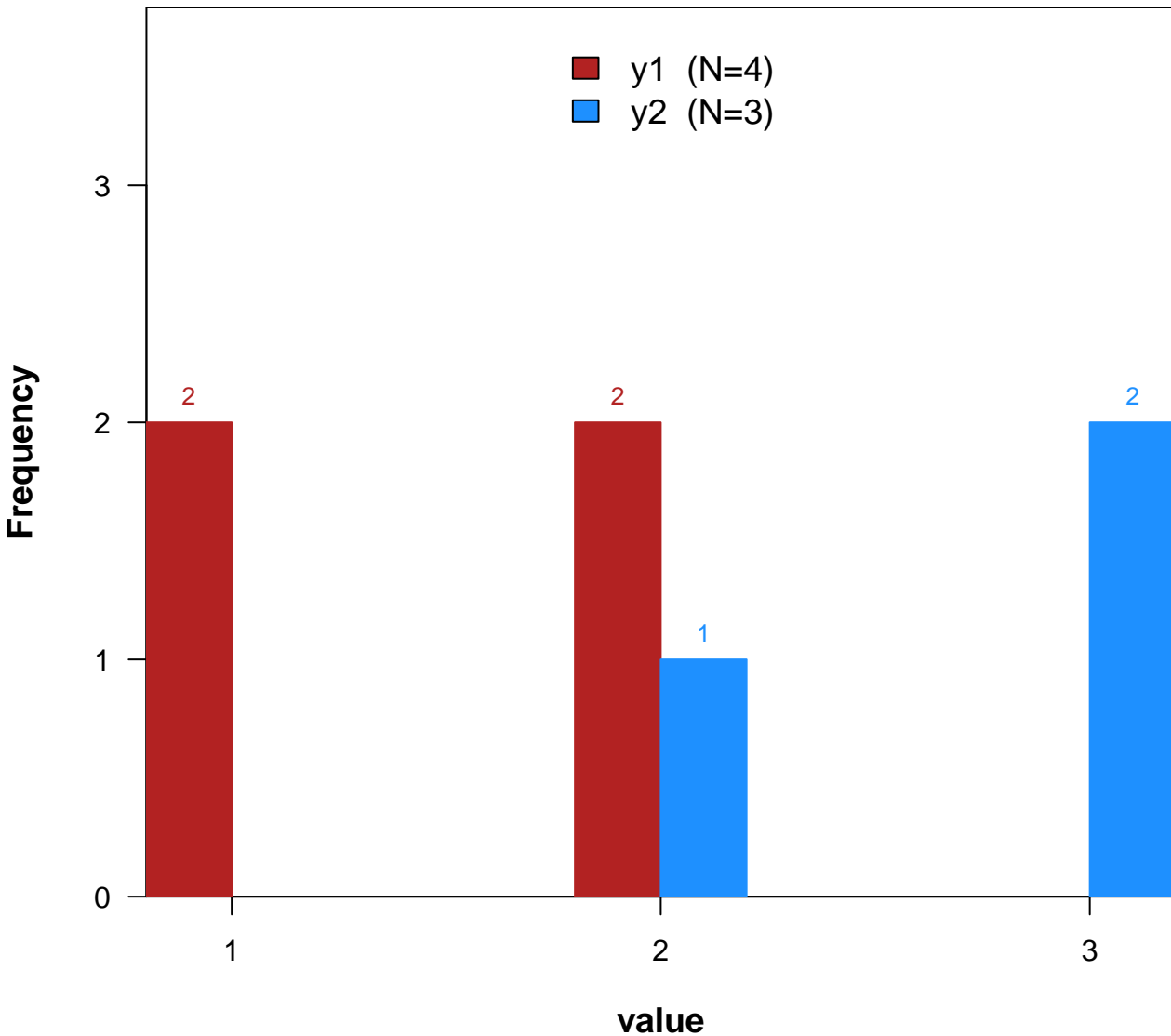
# Distribution of value

(N=7)



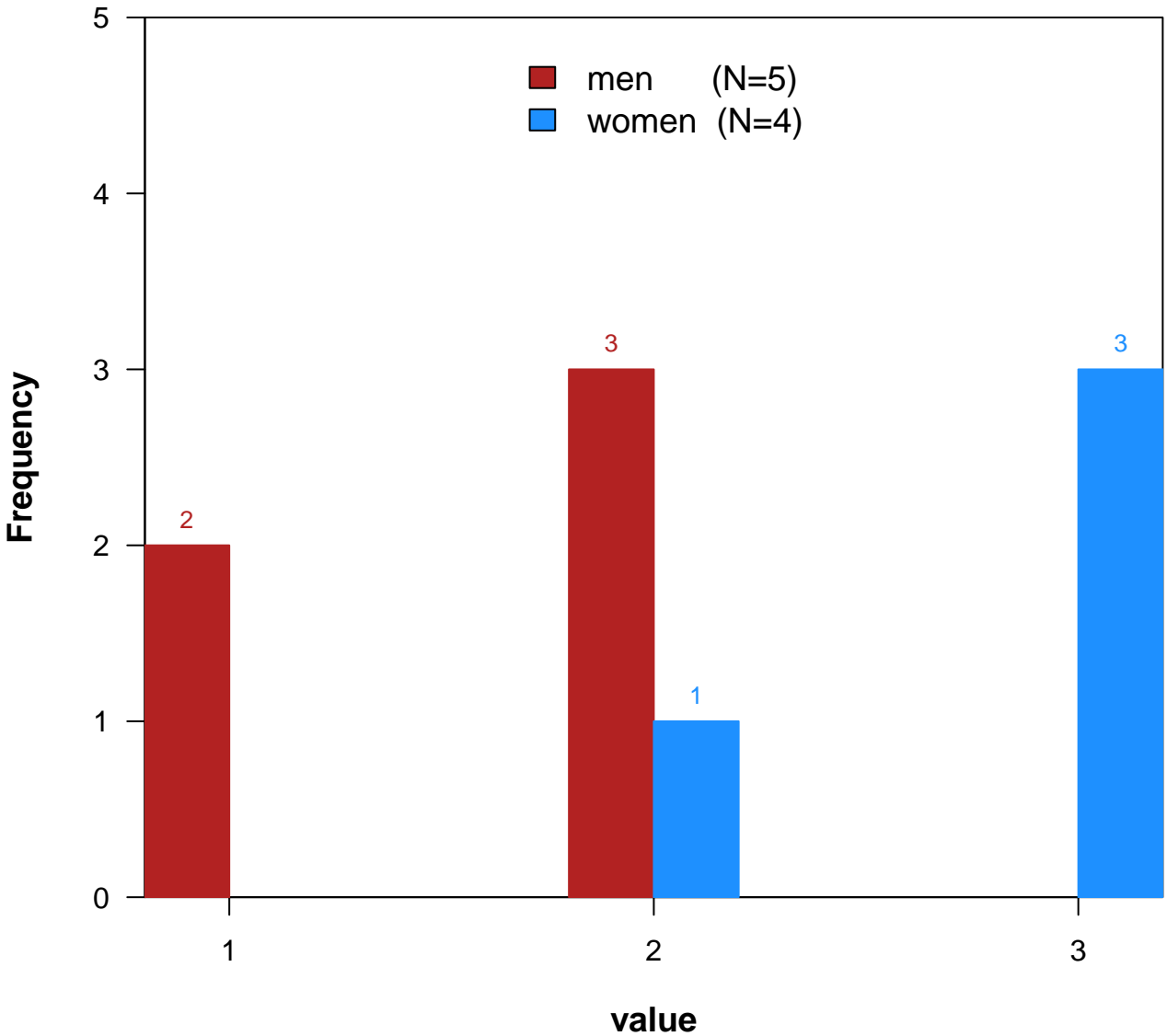
# Distribution of value

(N=7)



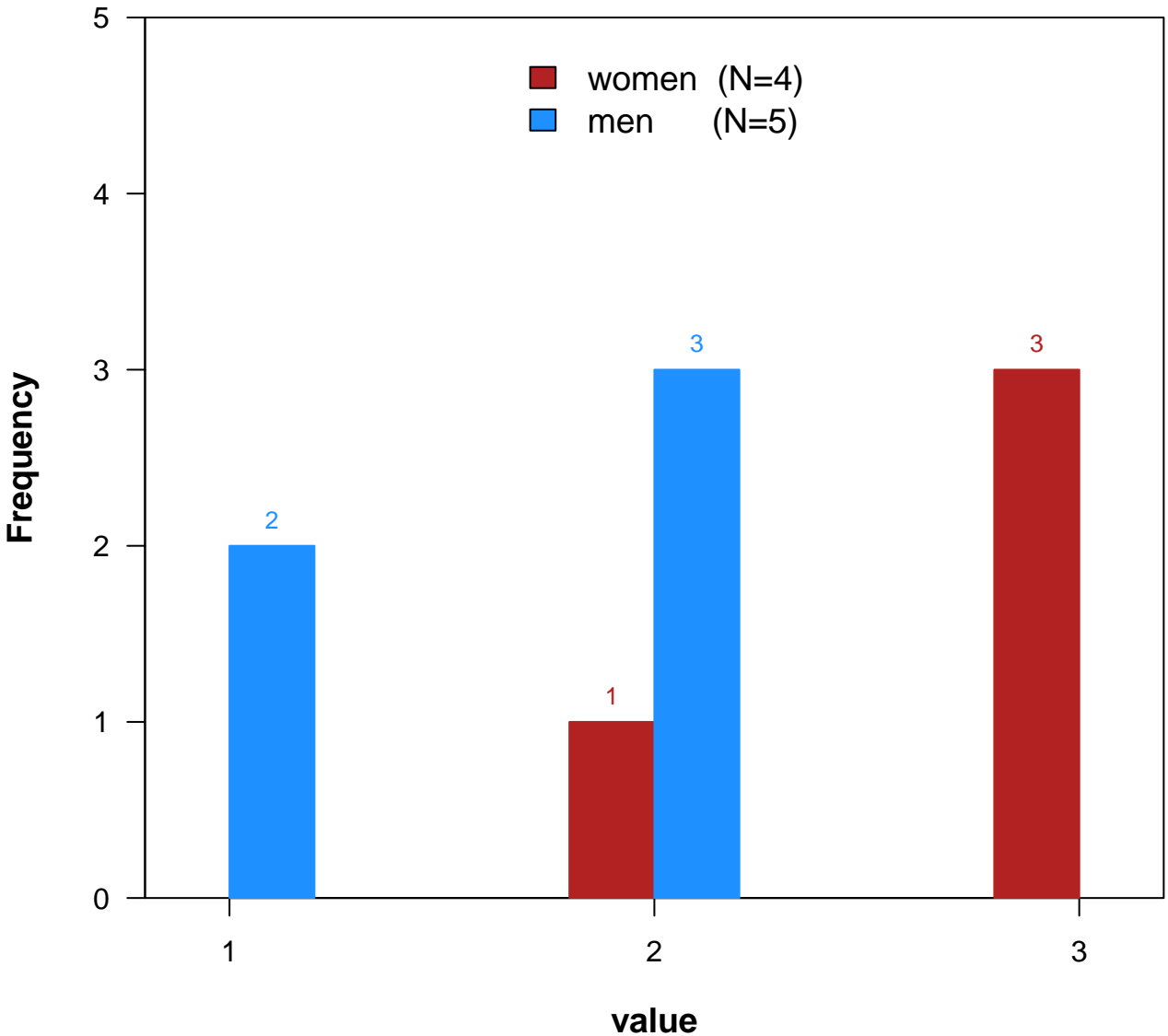
# Distribution of value

(N=9)



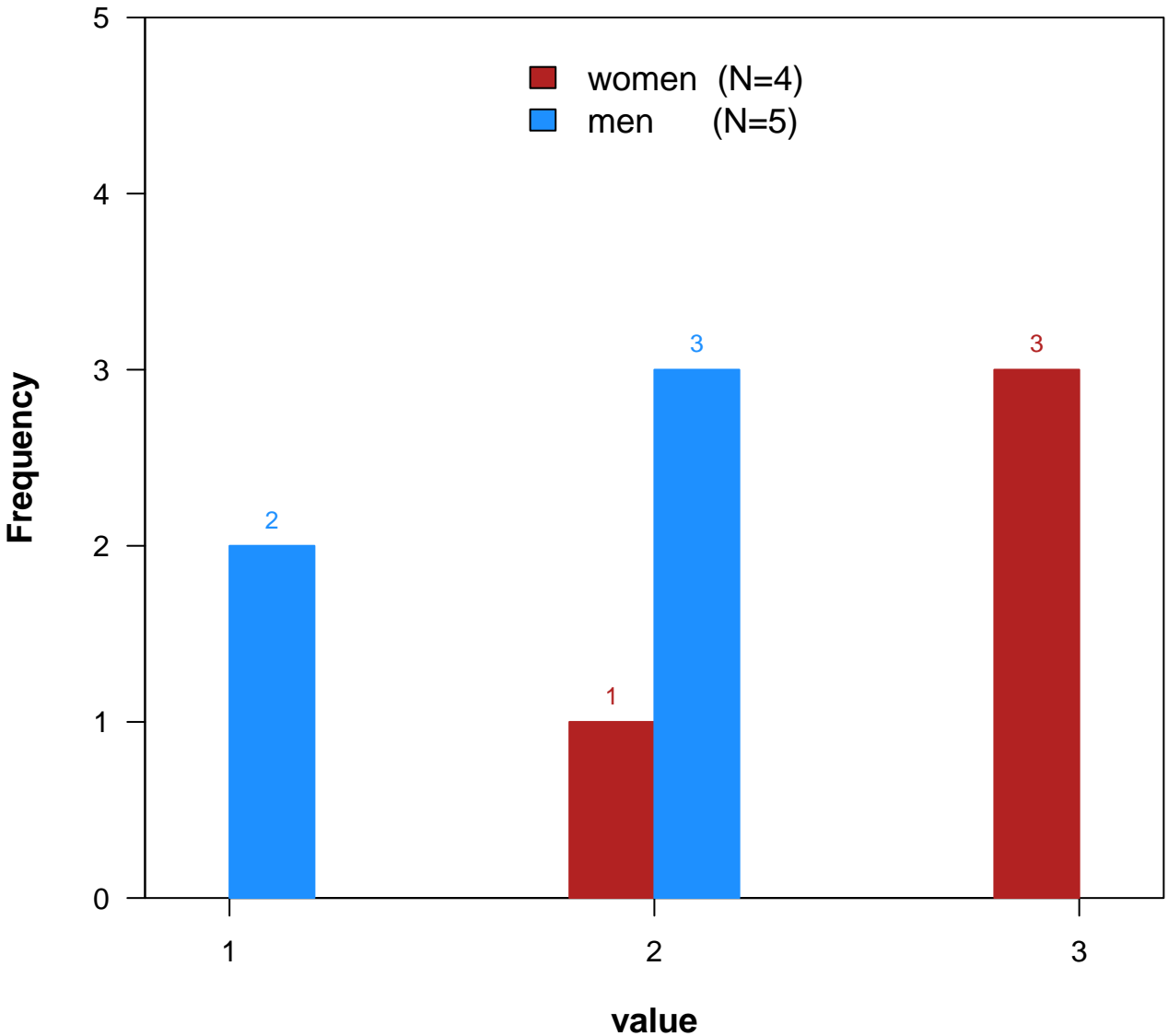
# Distribution of value

(N=9)



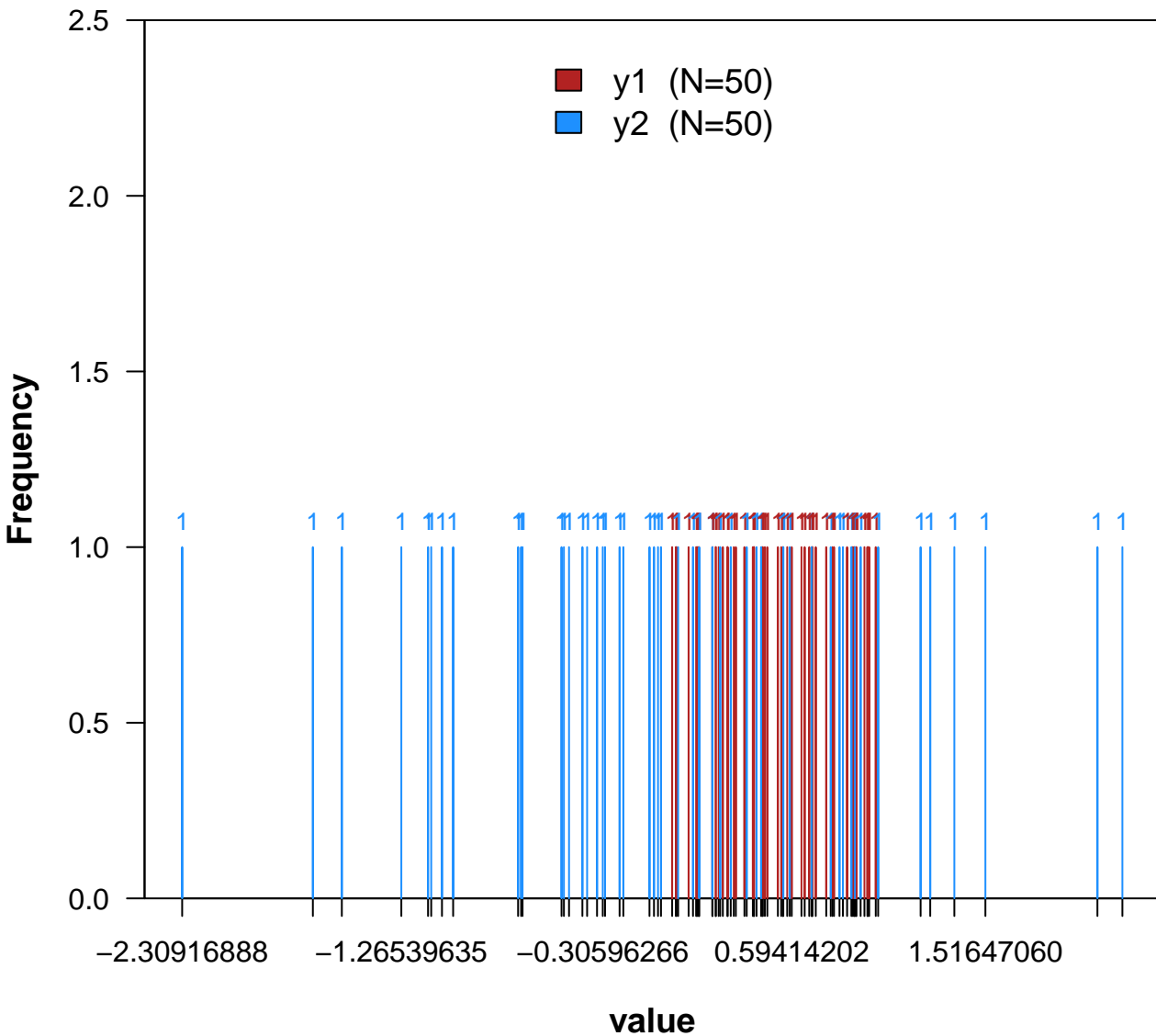
# Distribution of value

(N=9)



# Distribution of value

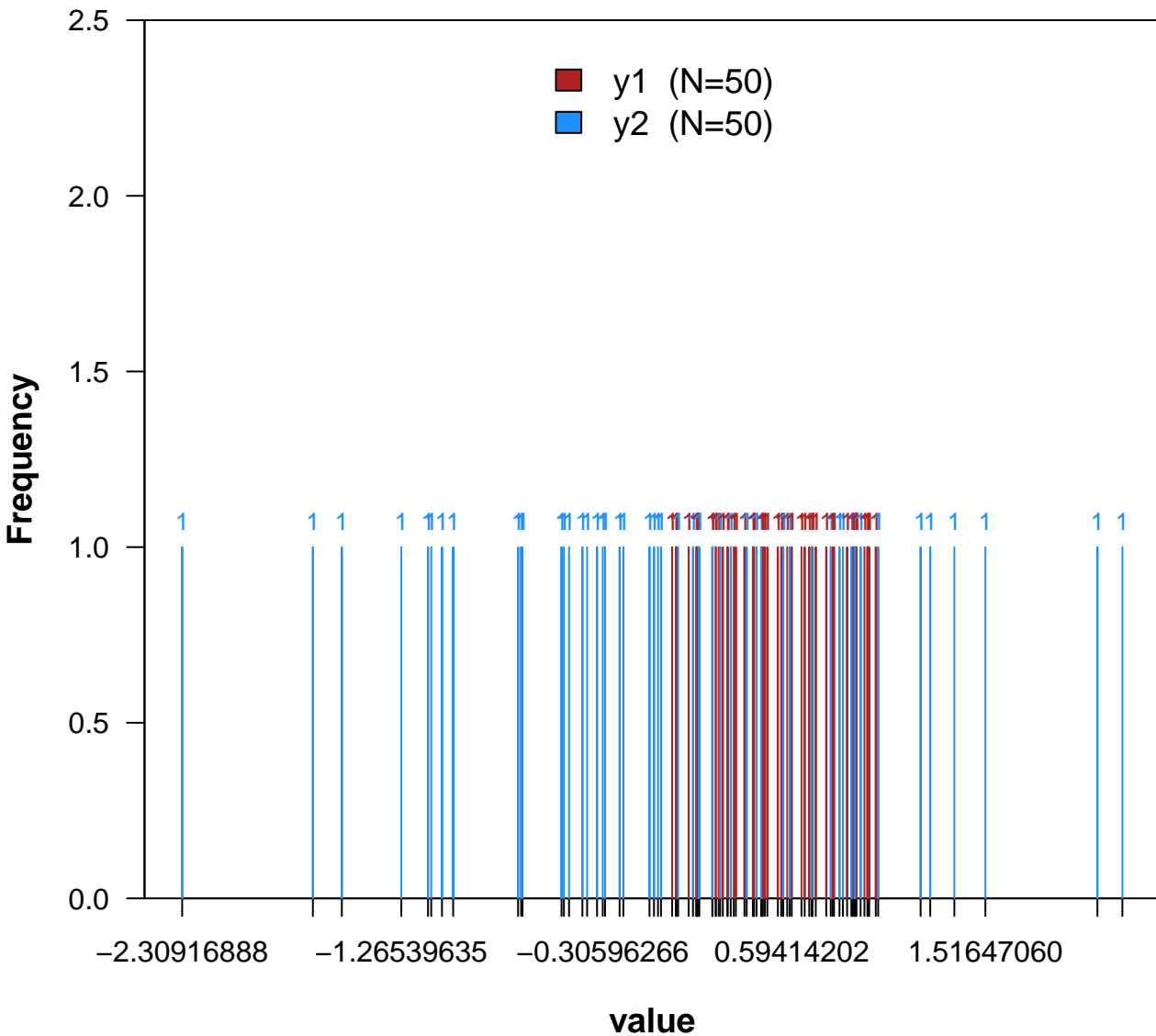
(N=100)





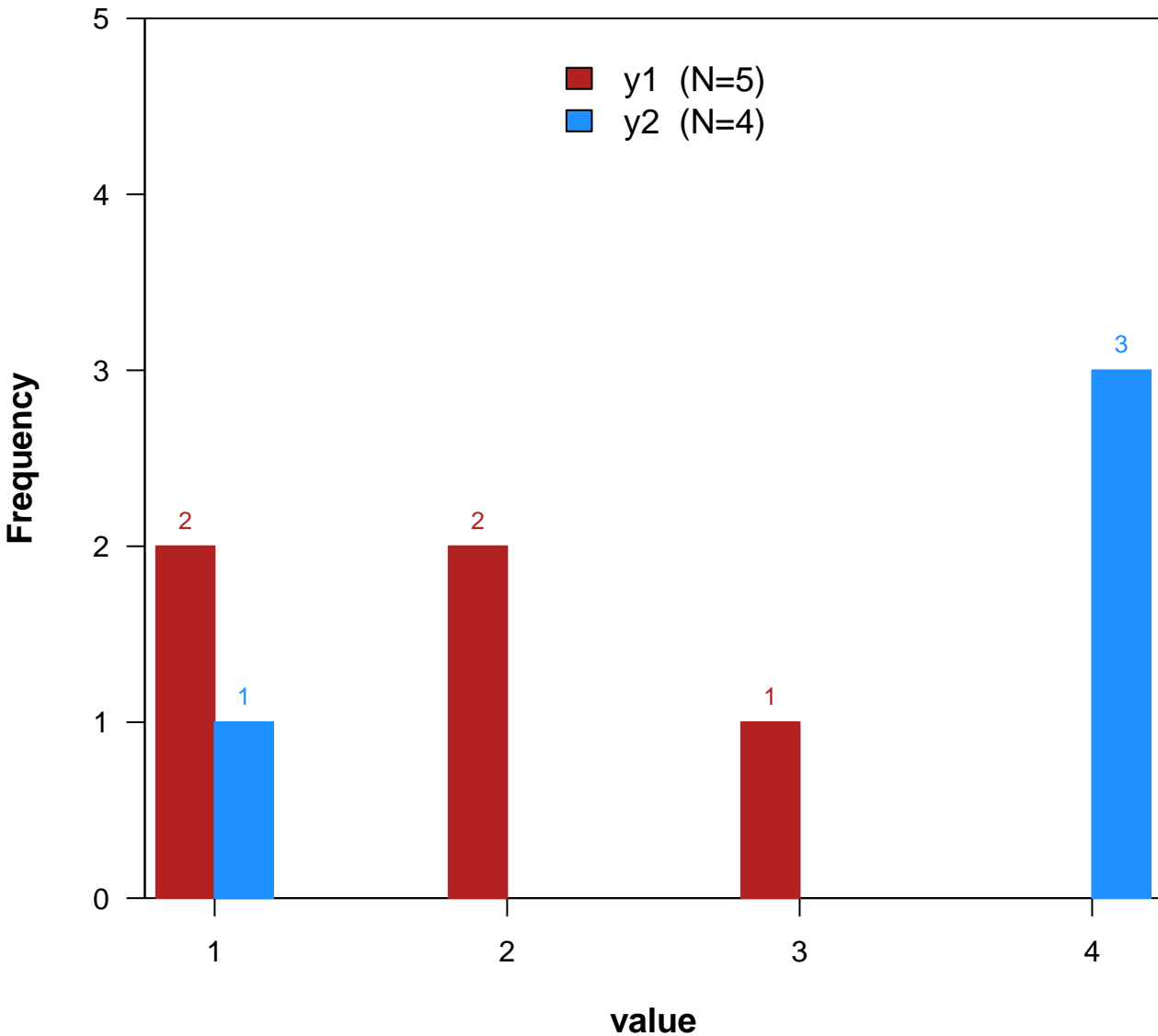
# Distribution of value

(N=100)



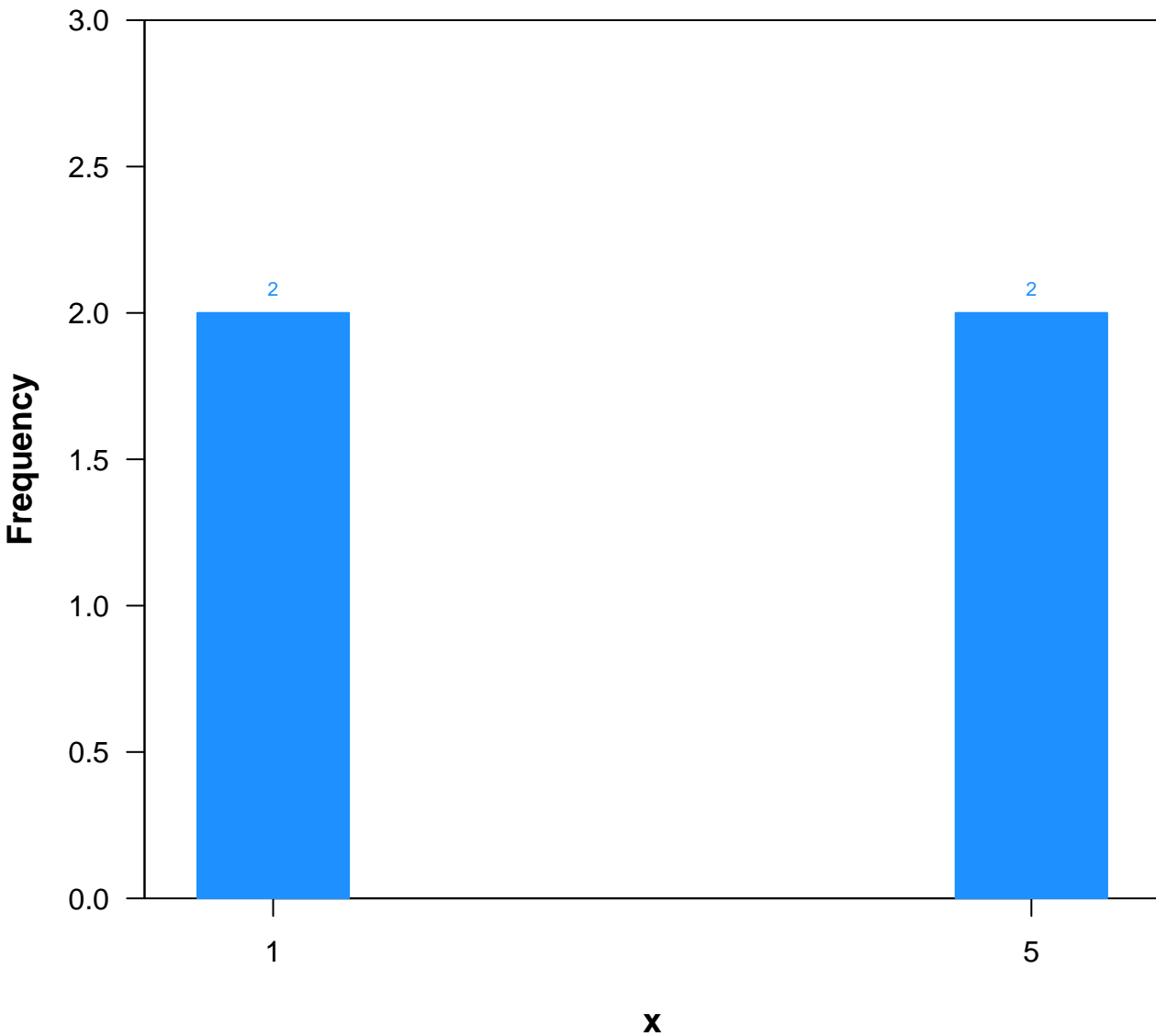
# Distribution of value

(N=9)



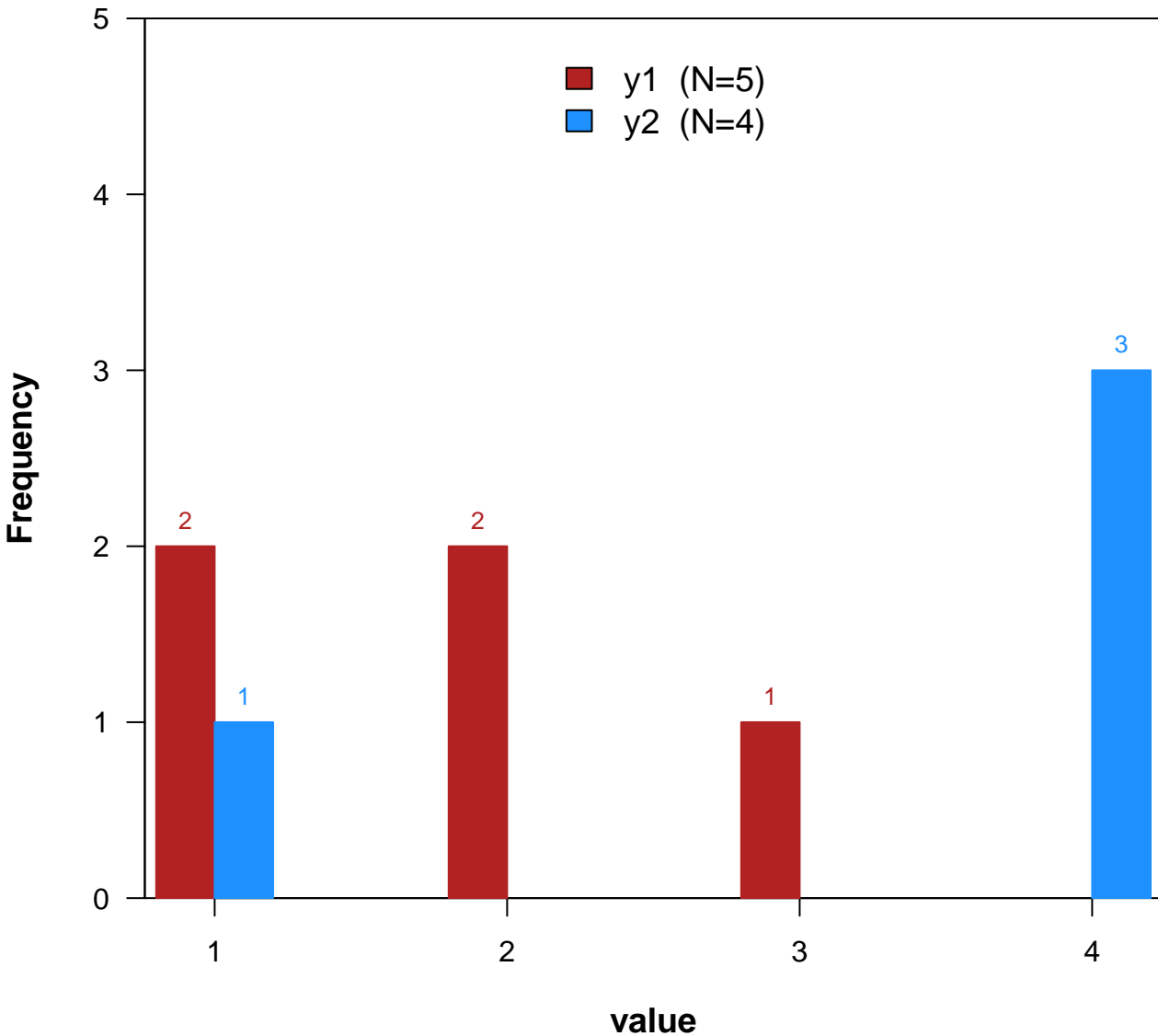
# Distribution of x

(N=4)



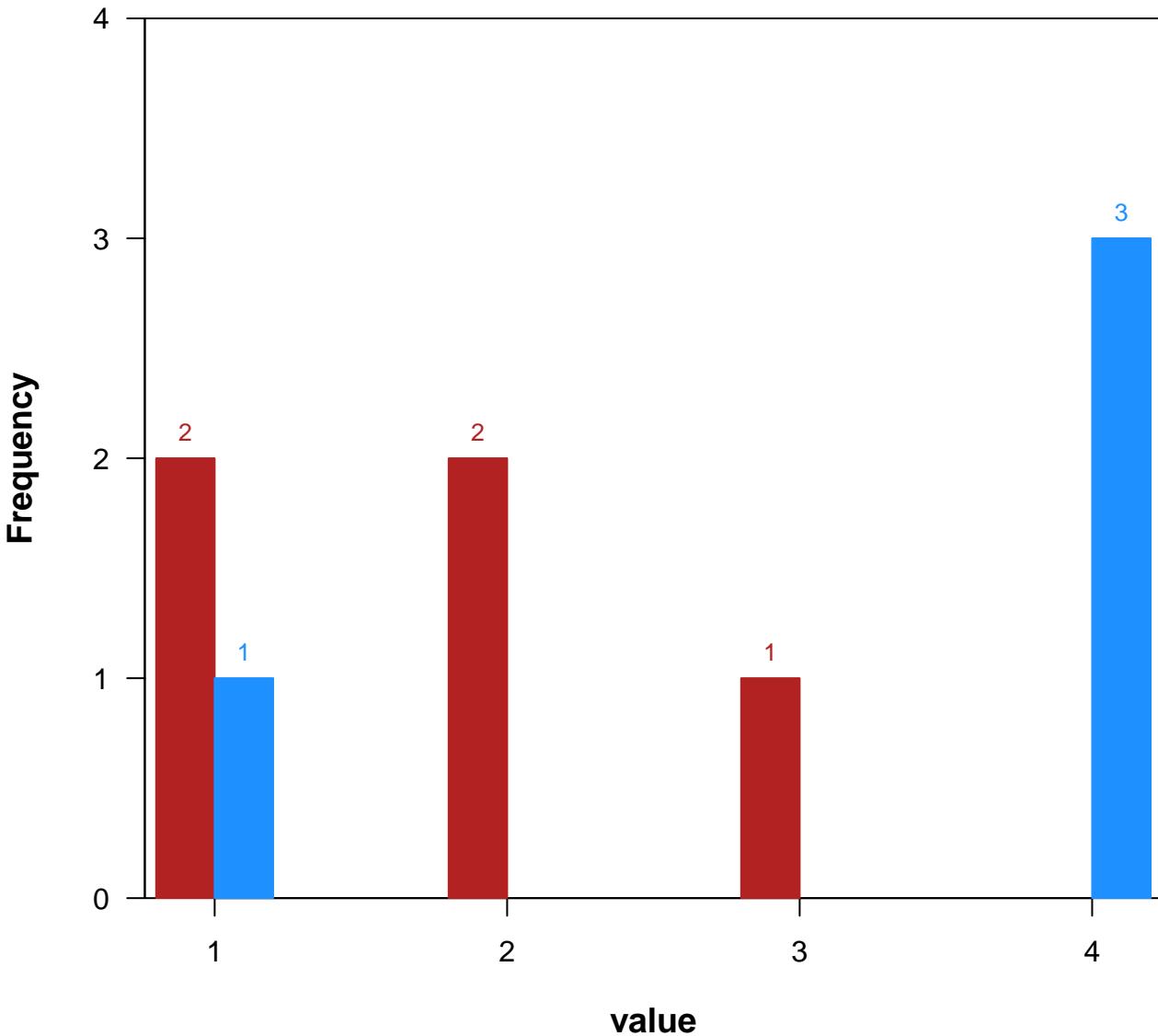
# Distribution of value

(N=9)



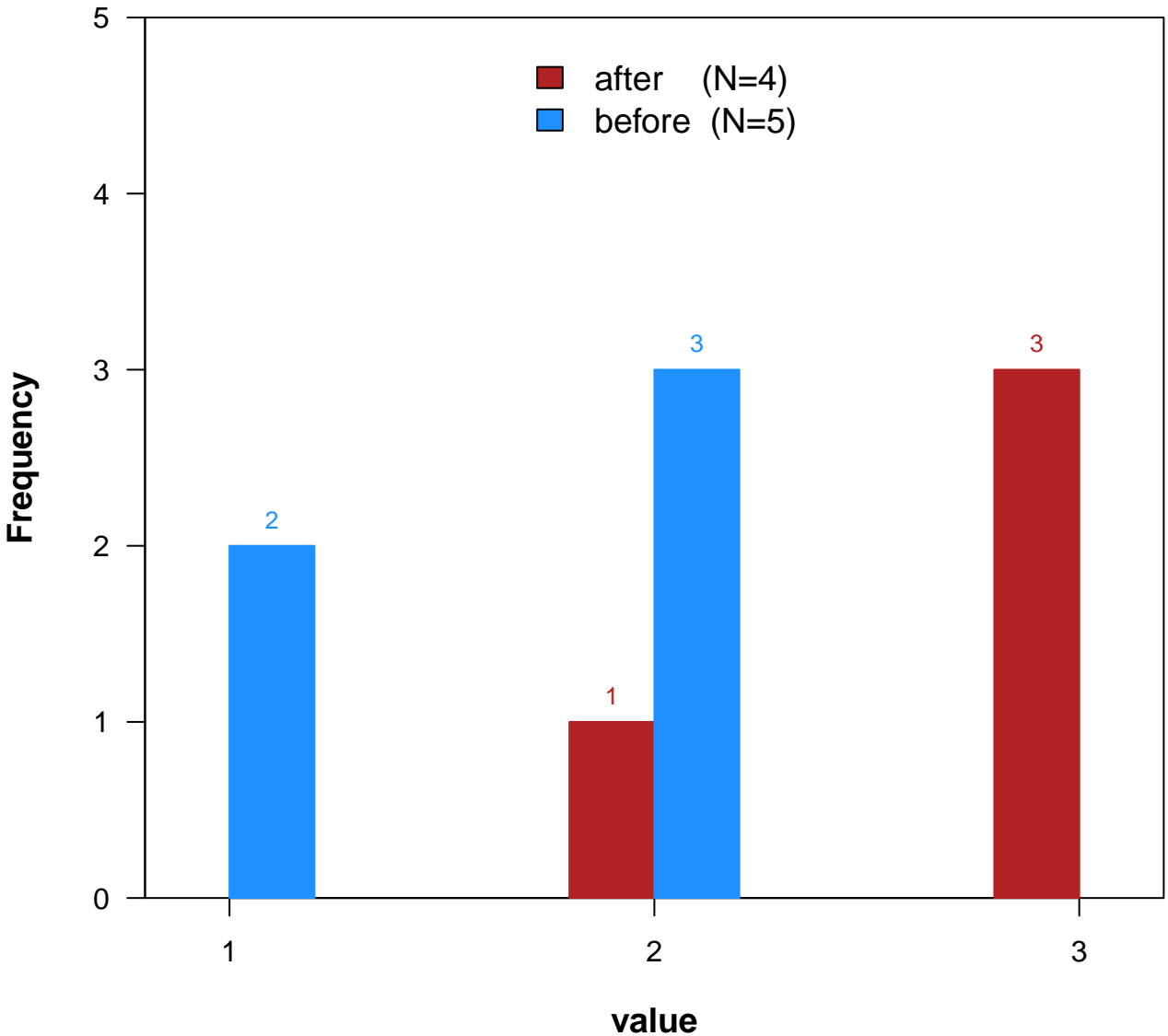
# Distribution of value

(N=9)



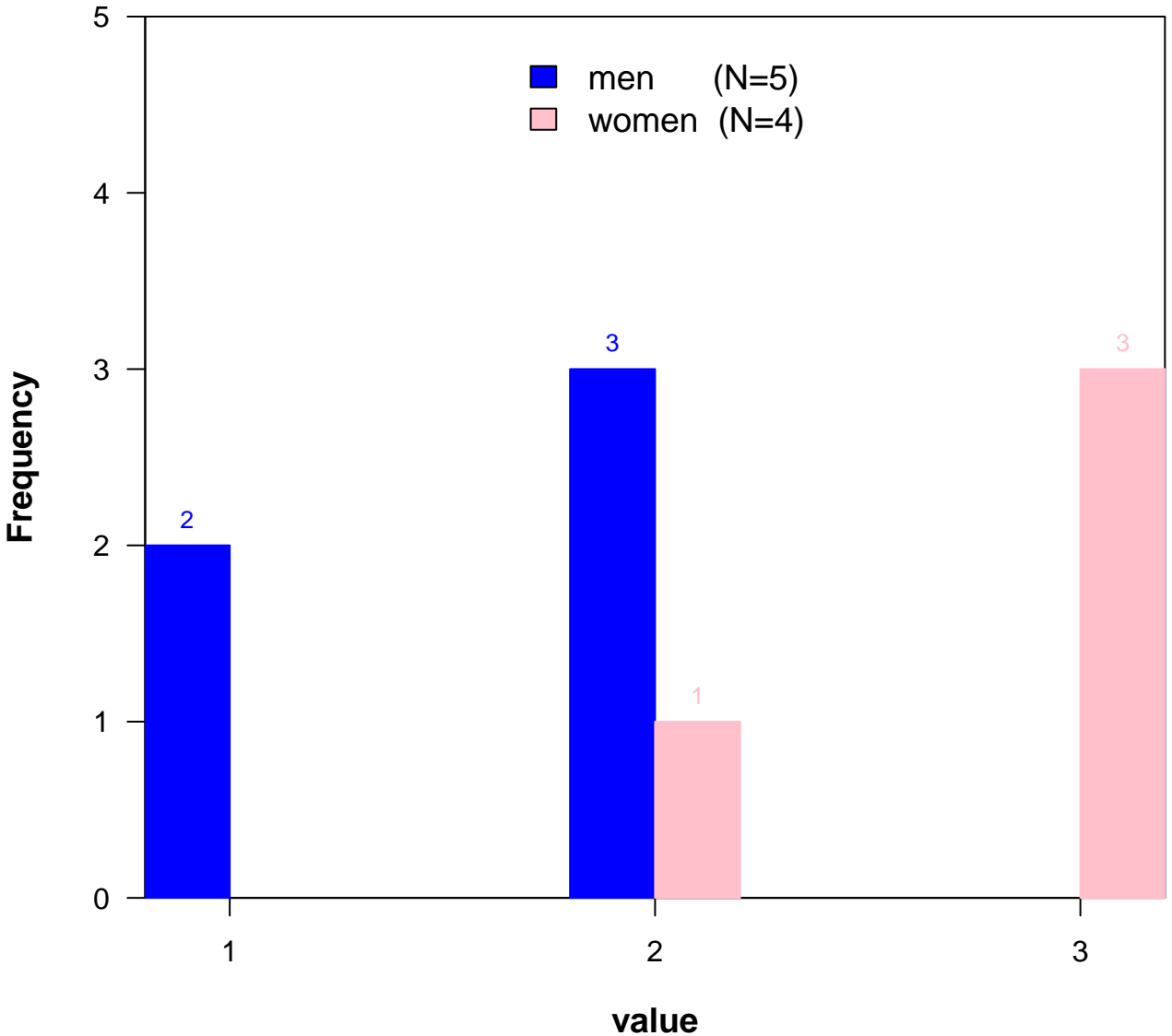
# Distribution of value

(N=9)



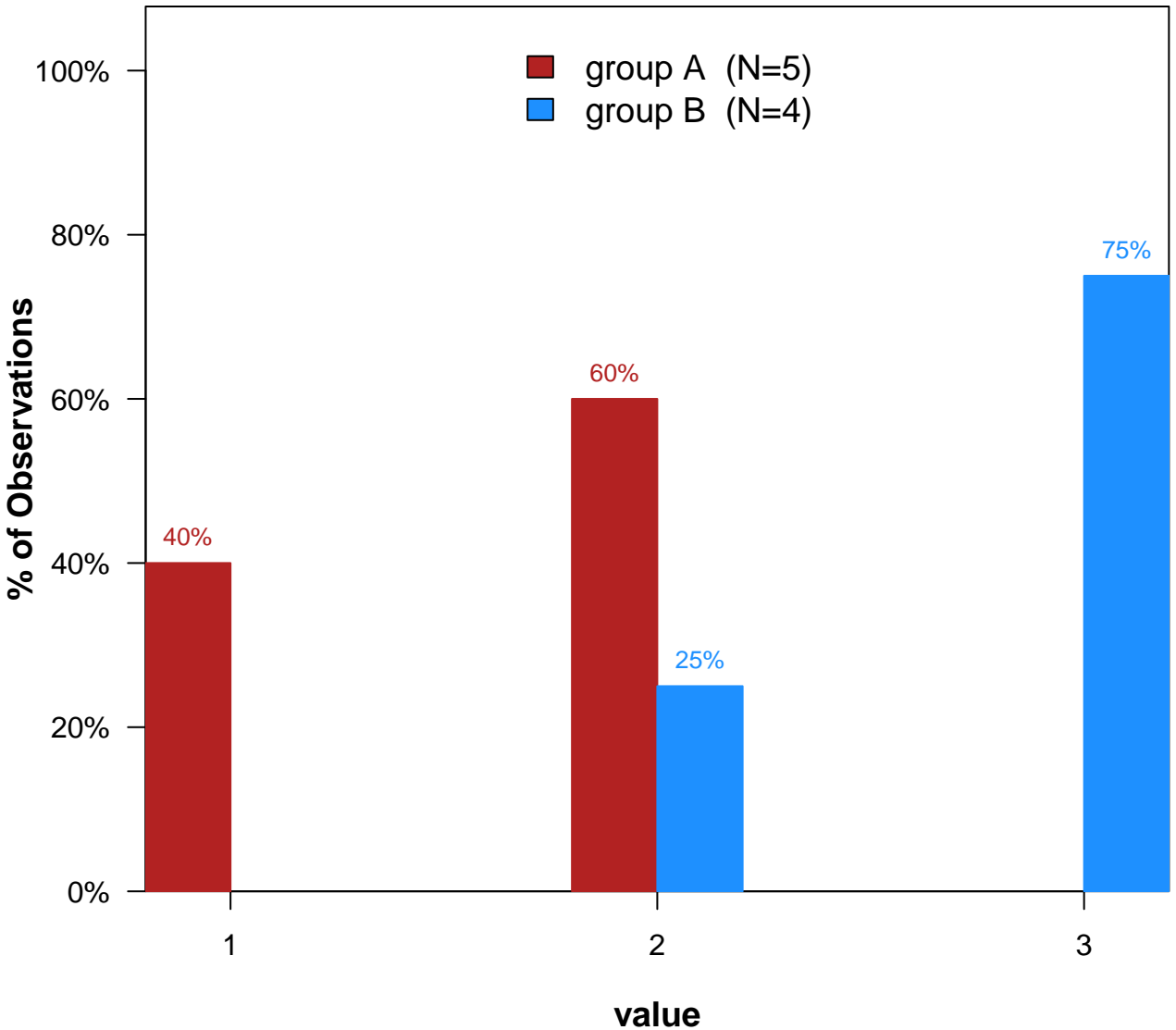
# Distribution of value

(N=9)



# Distribution of value

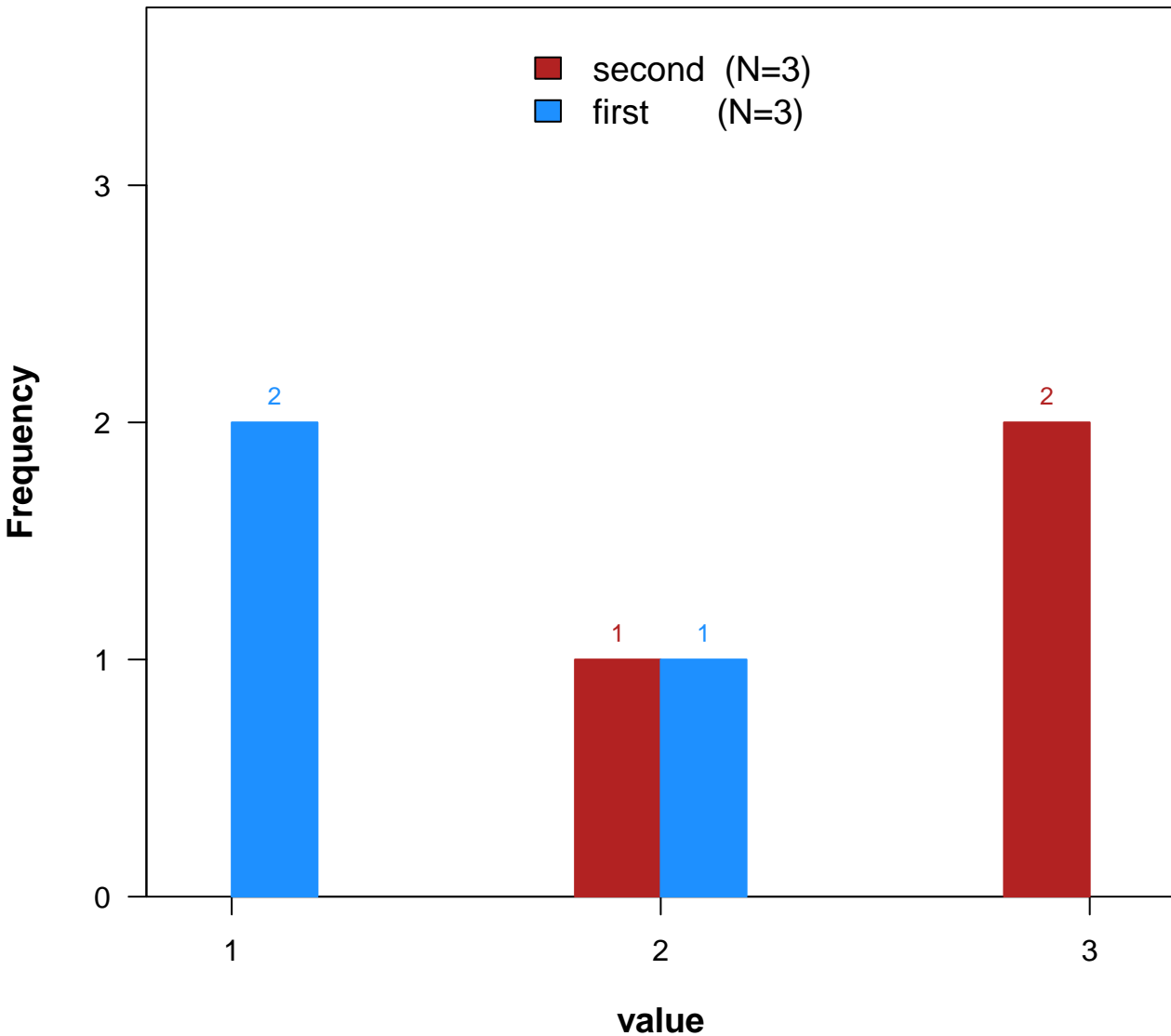
(N=9)





# Distribution of value

(N=6)



# Distribution of value

(N=6)

