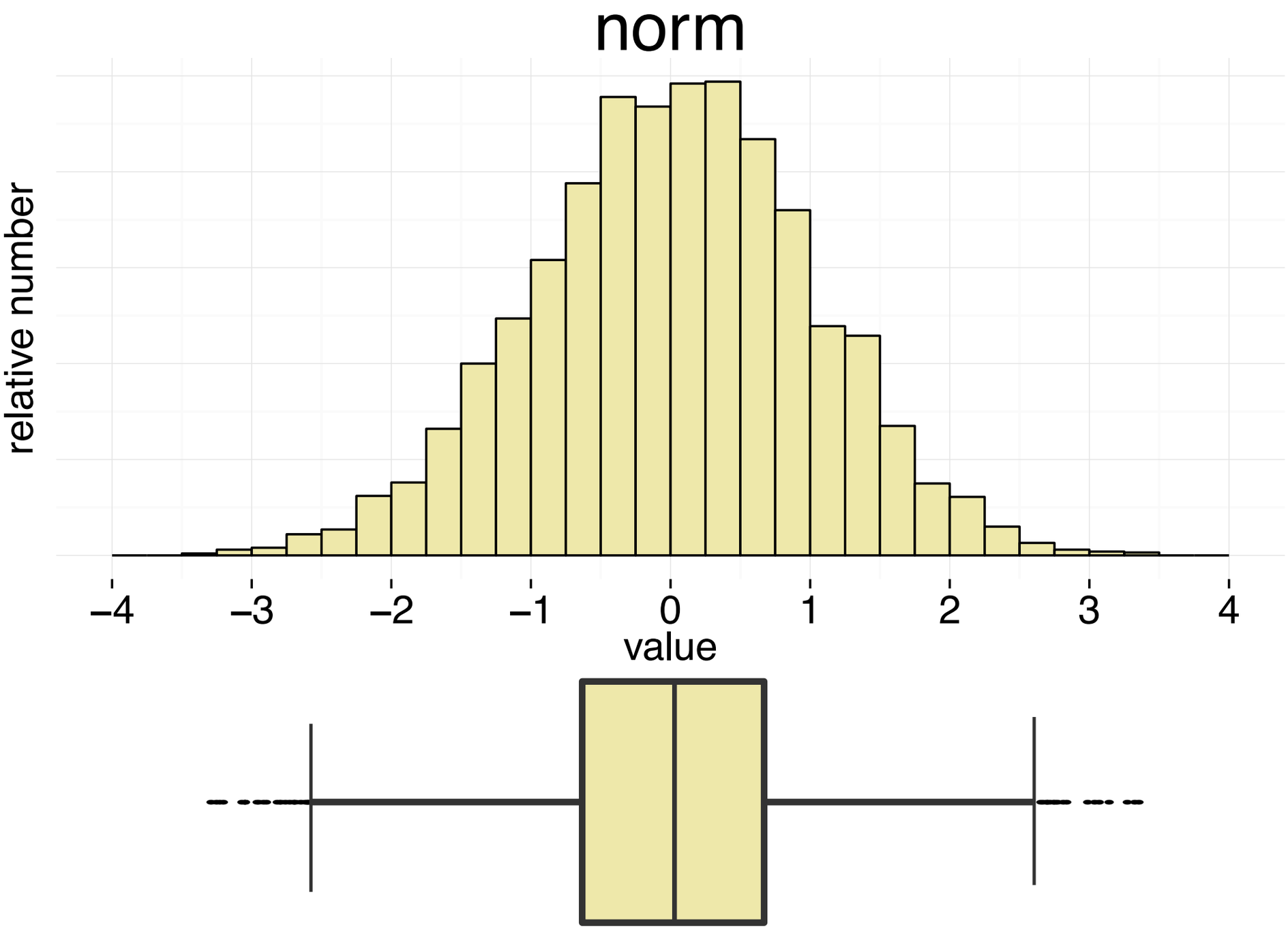
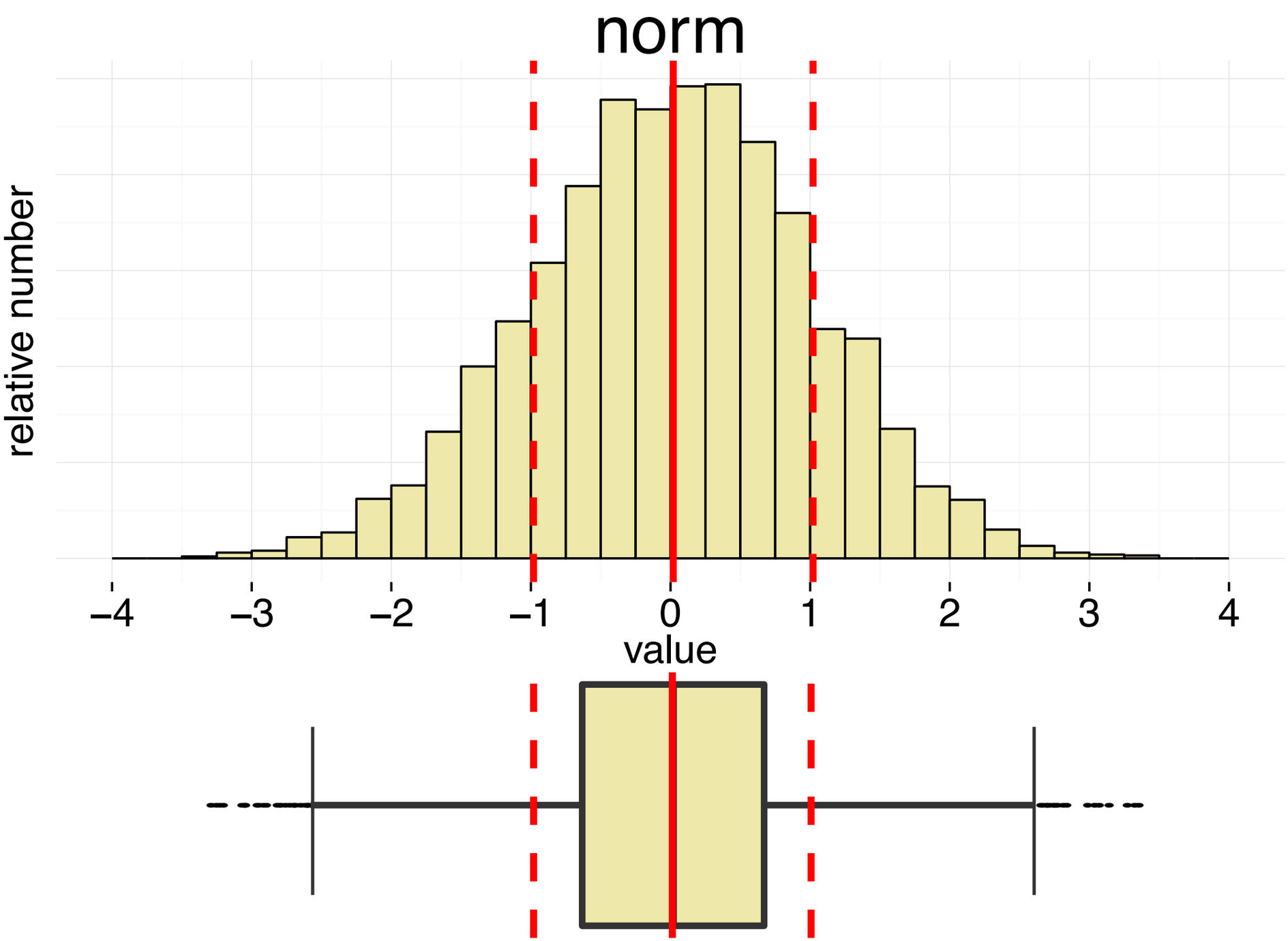
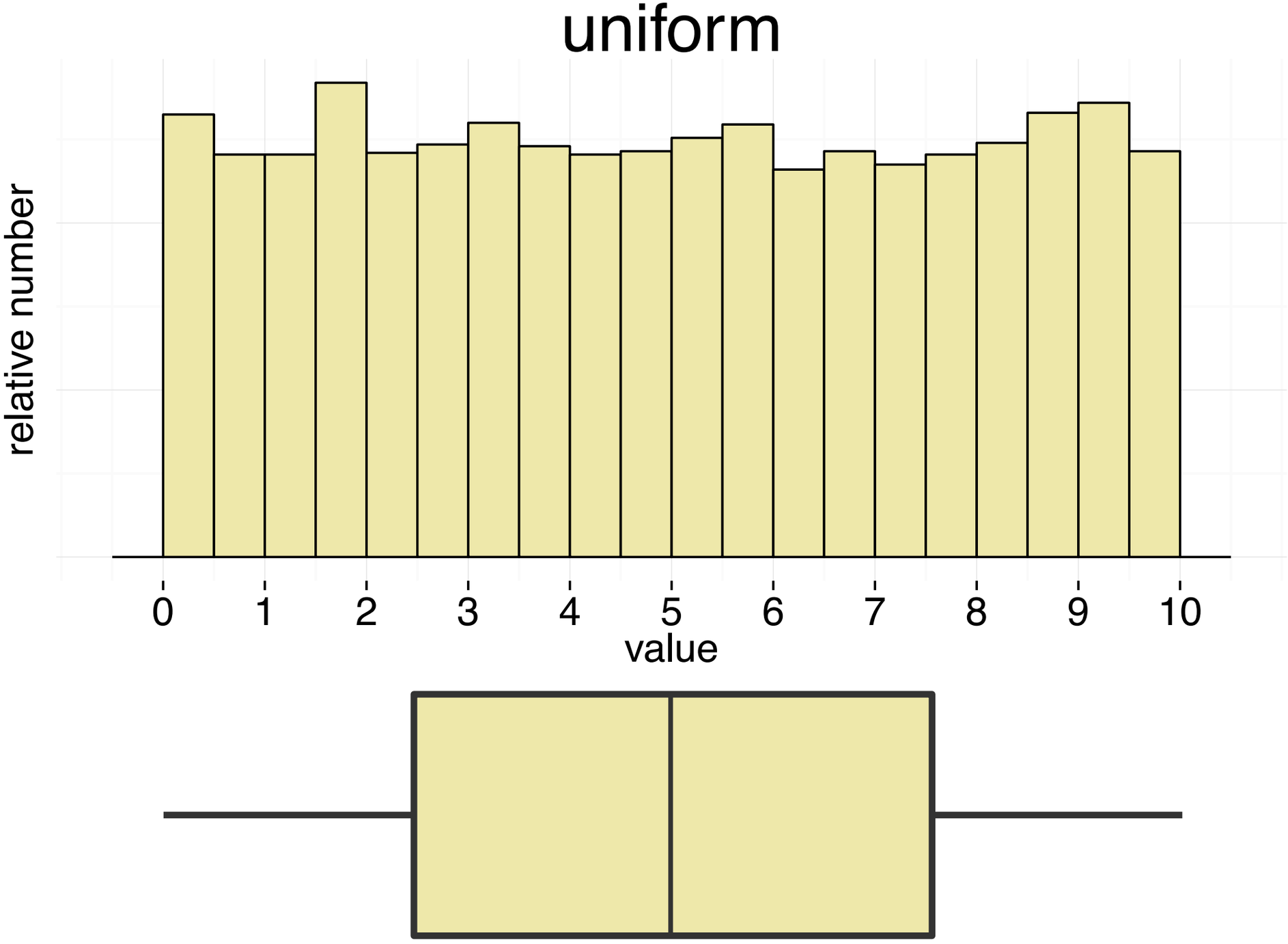
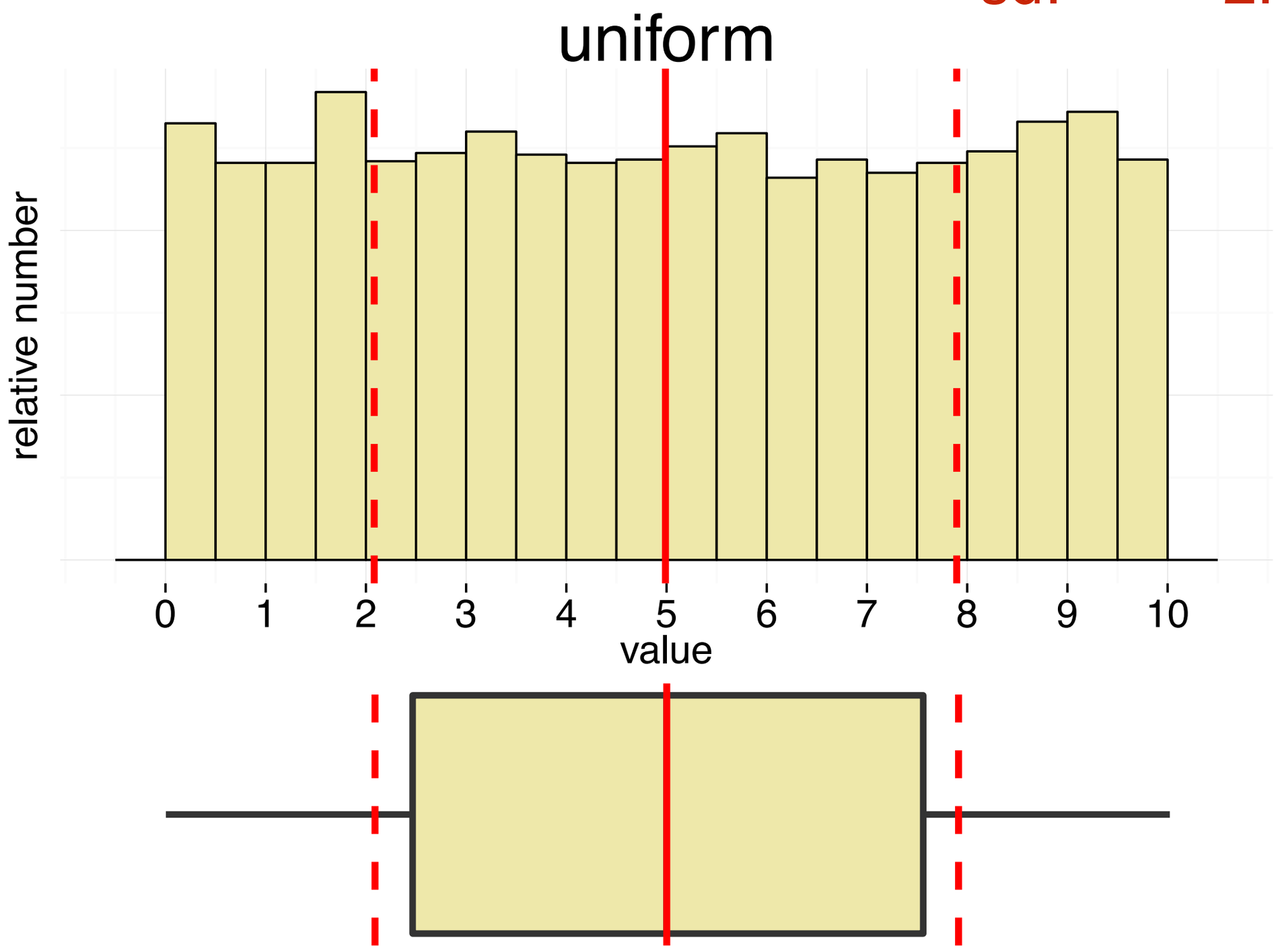

norm
relative number
–4
–3
–2
–1
0
1
2
3
4
value

mean: 0.0
sd: 1.0



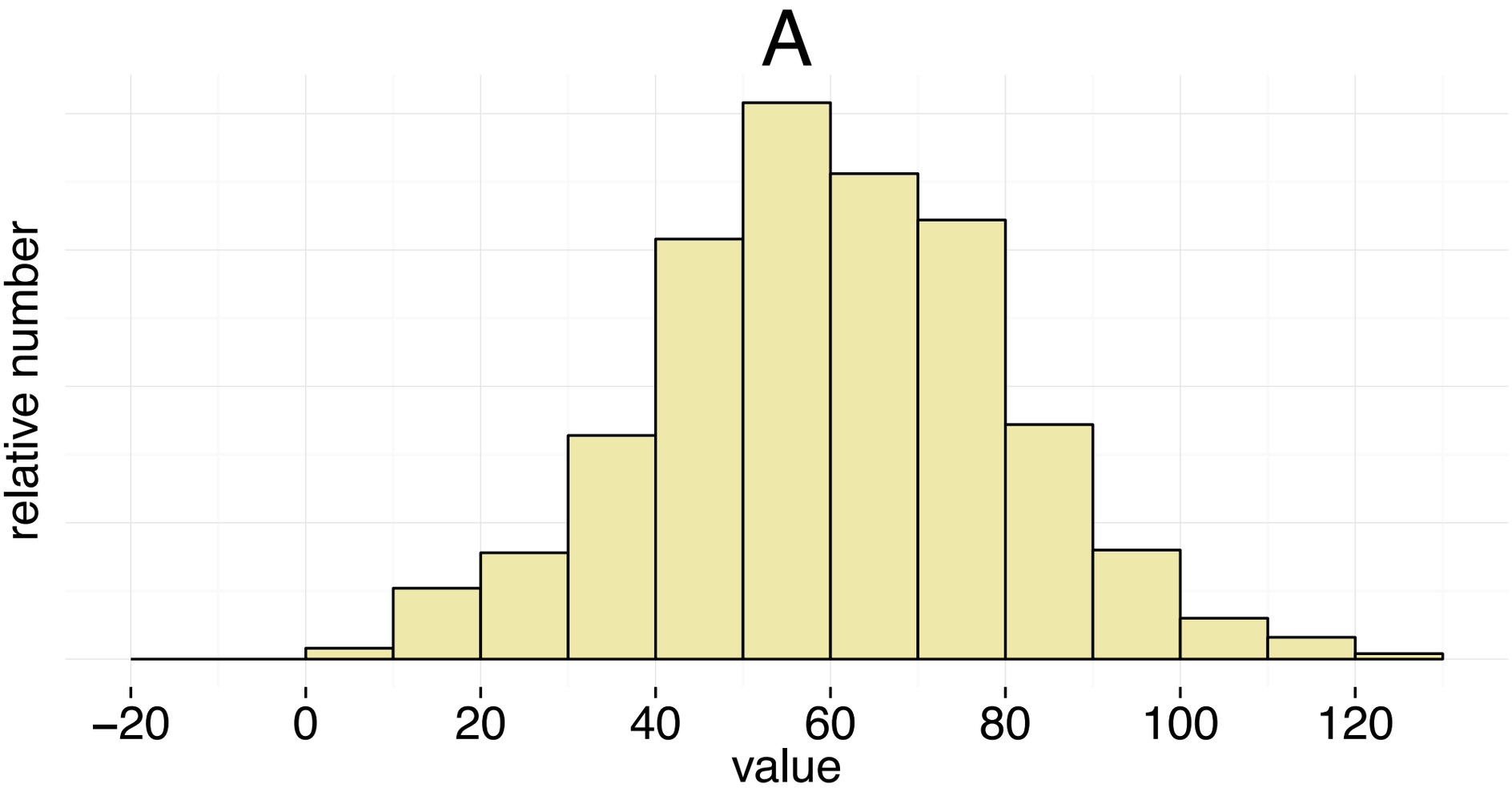

uniform
relative number
0
1
2
3
4
5
6
7
8
9
10
value

mean: 5.0
sd: 2.9

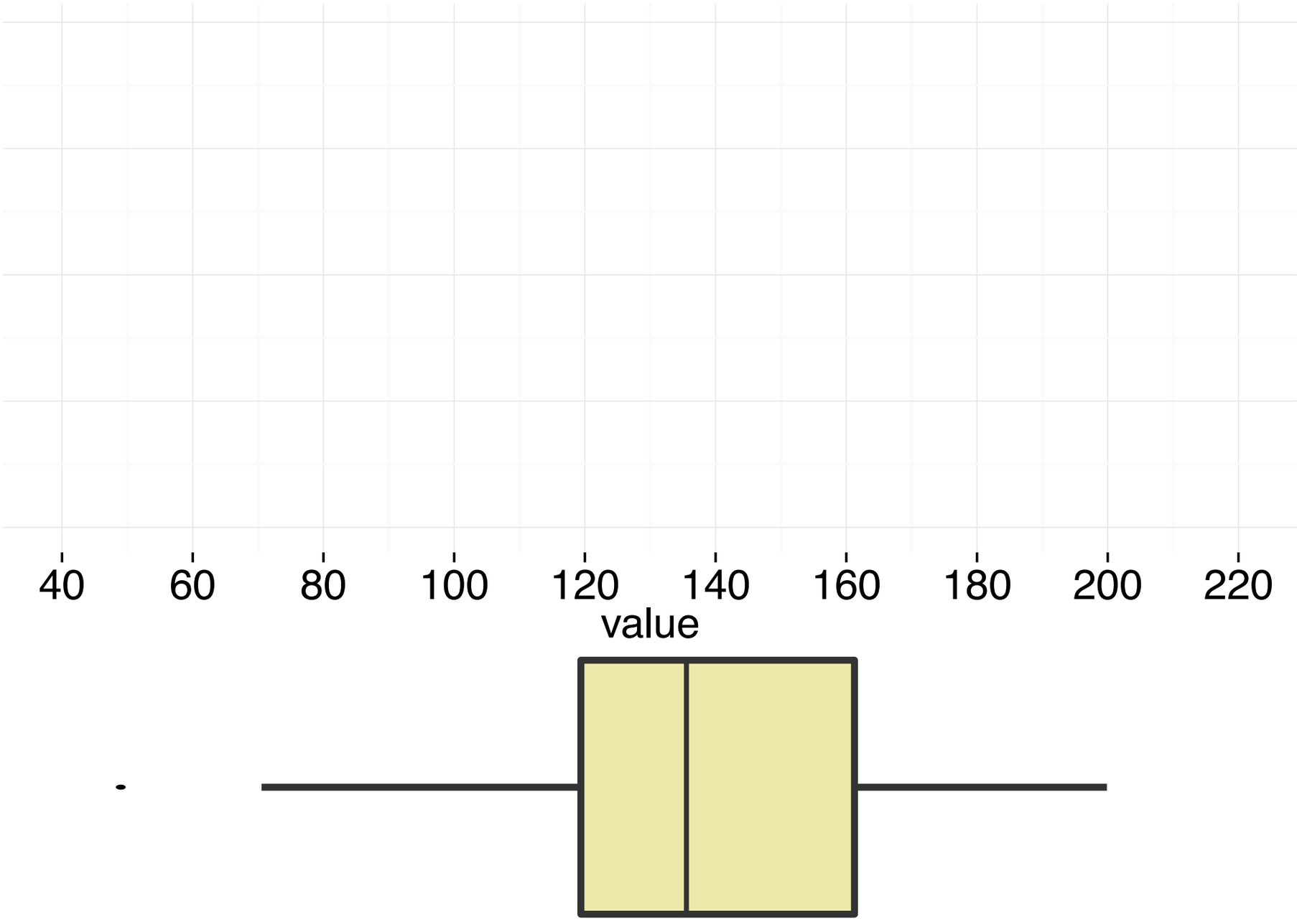


Individuals

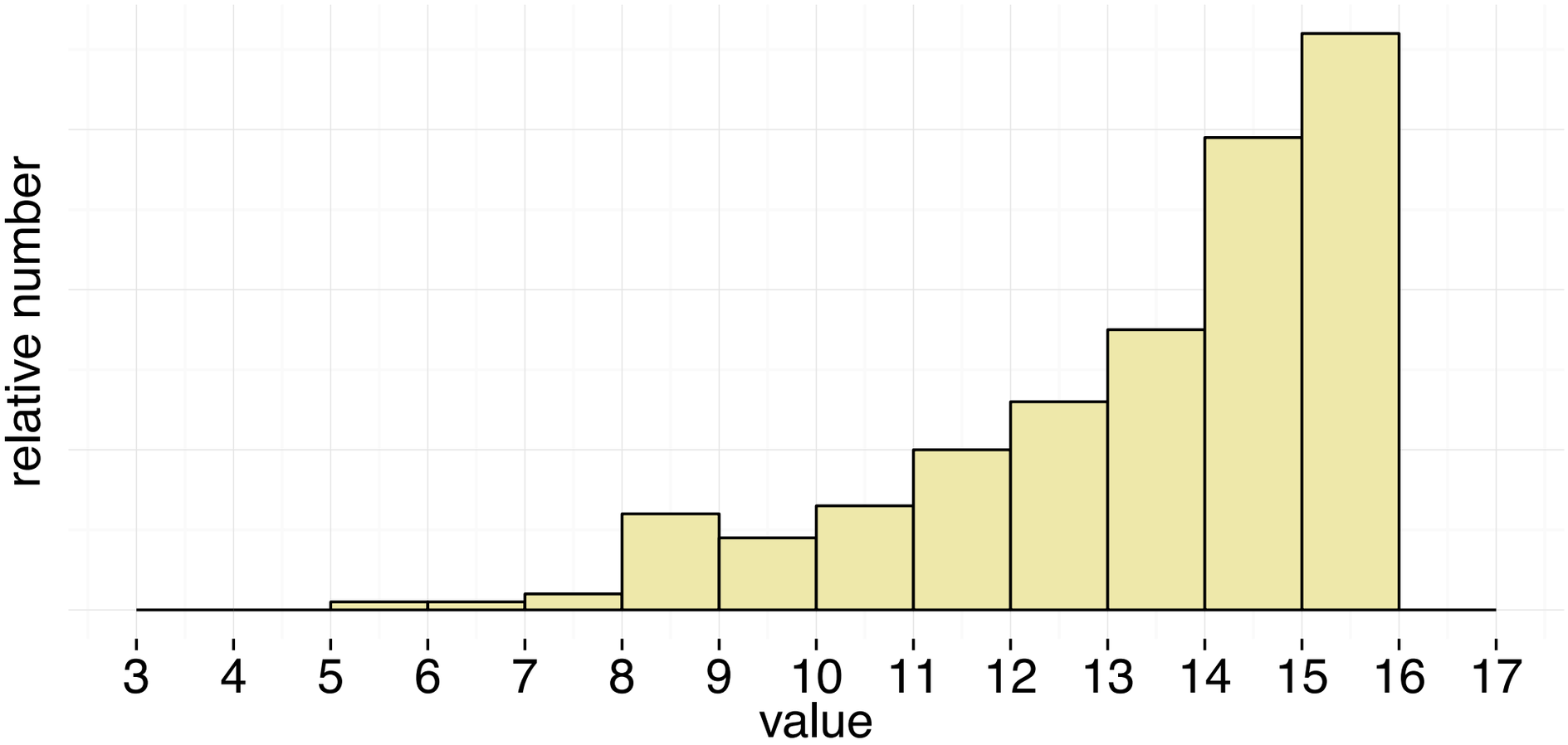
write down your best guesstimate as to the mean and standard deviation for the next six distributions you see


A
relative number
−20
0
20
40
60
80
100
120
value

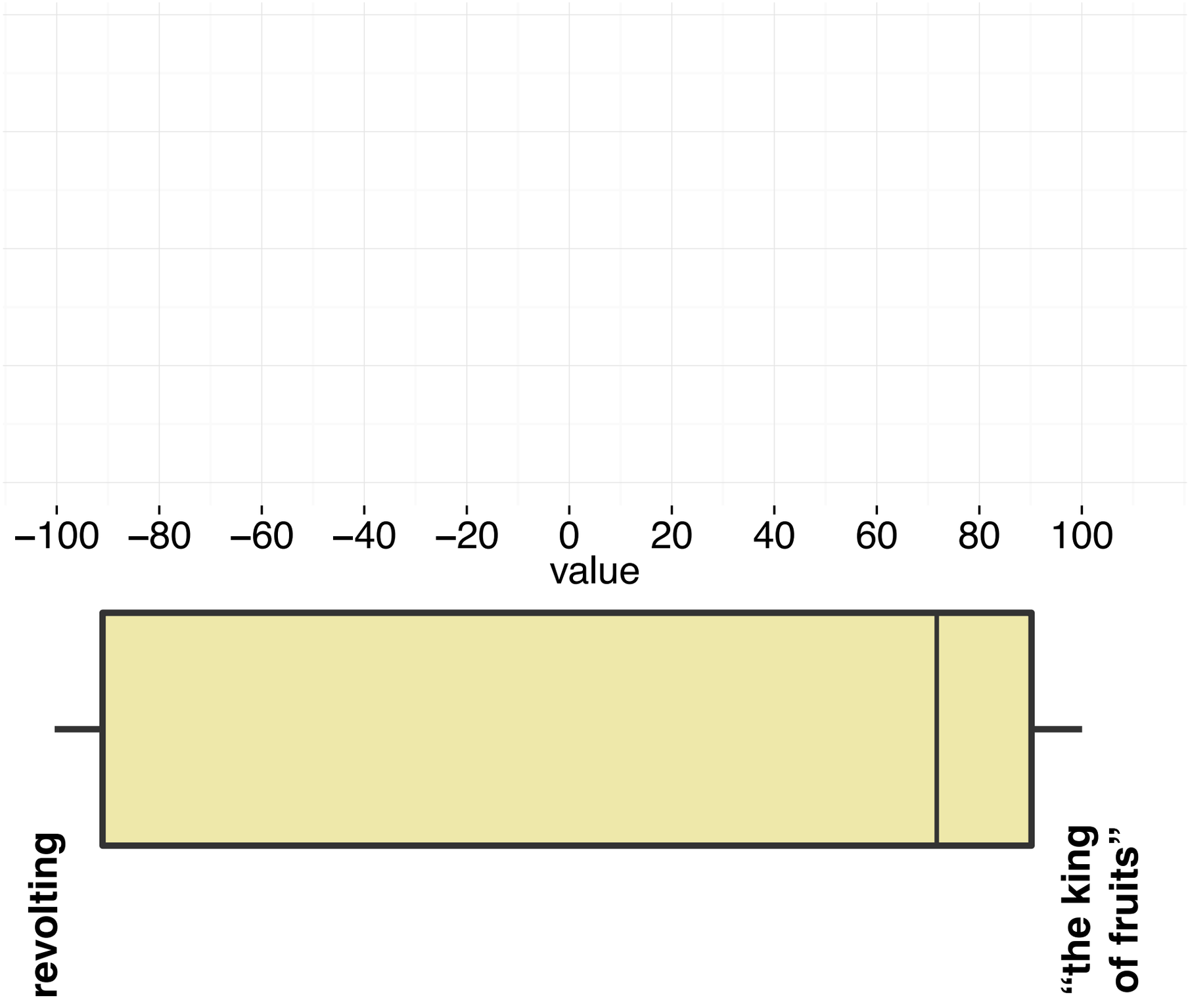
B

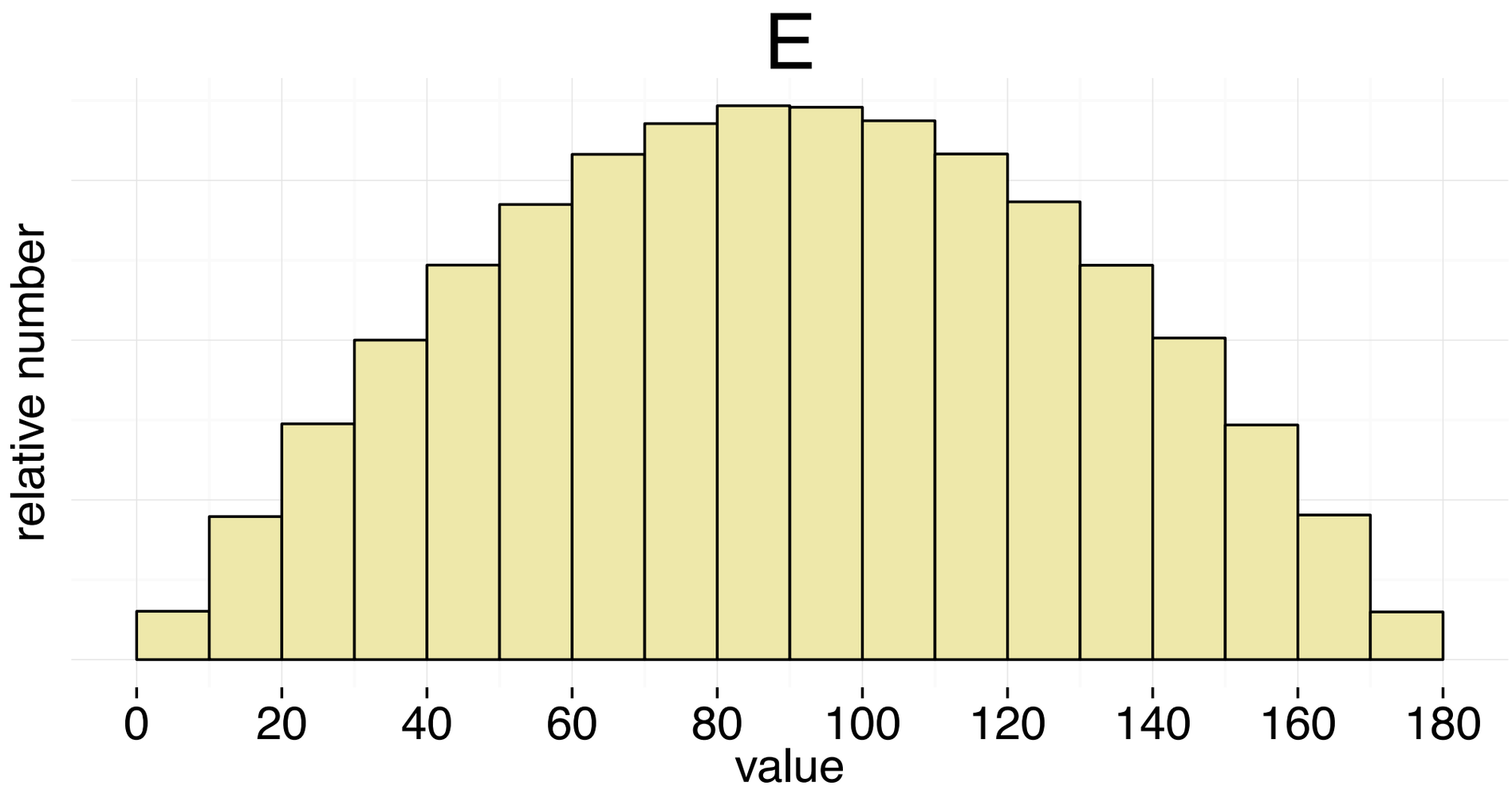


C

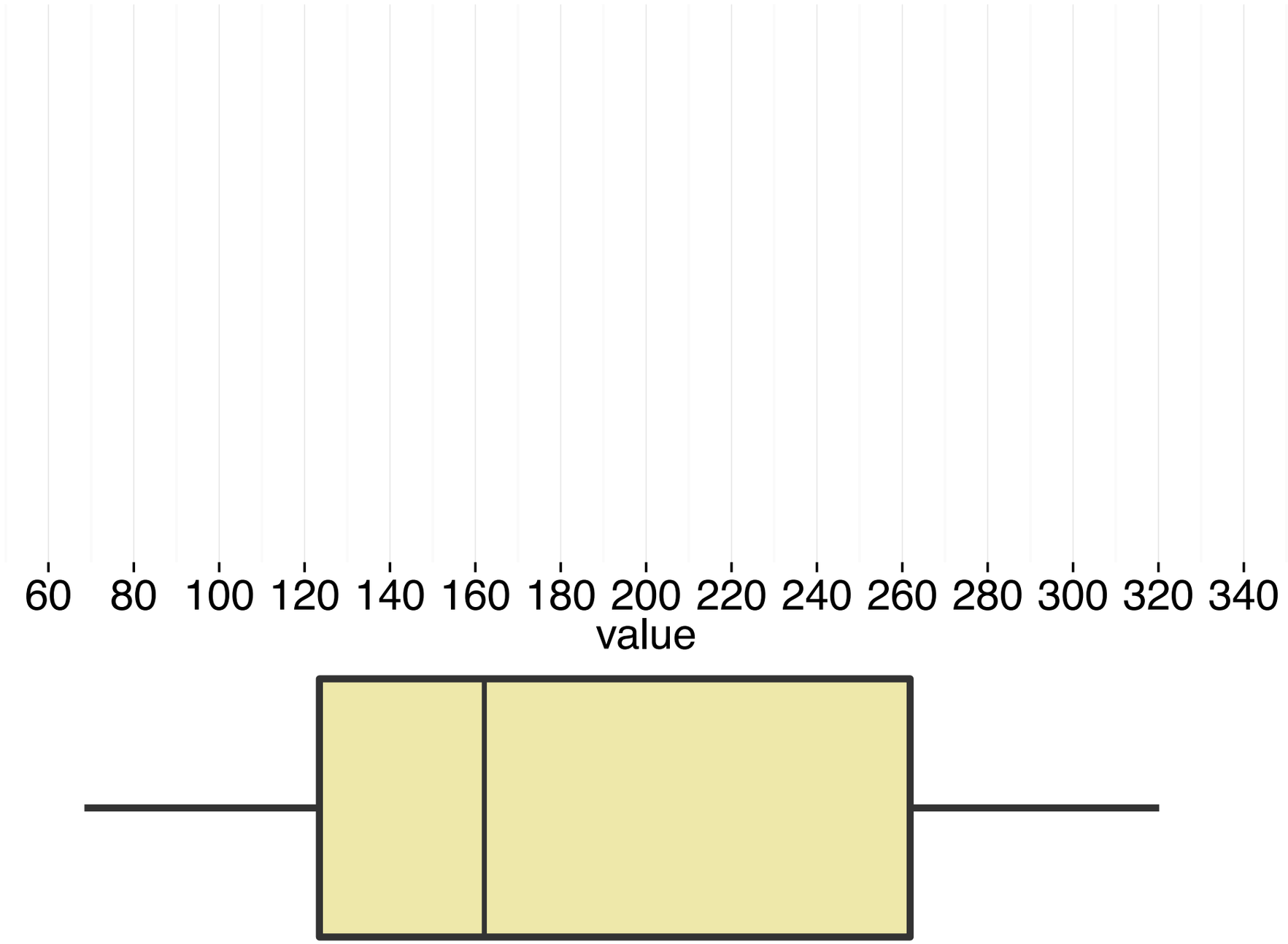


Durian


−100
−80
−60
−40
−20
0
20
40
60
80
100
value
revolting
“the king of fruits”


E
relative number
0
20
40
60
80
100
120
140
160
180
value

F

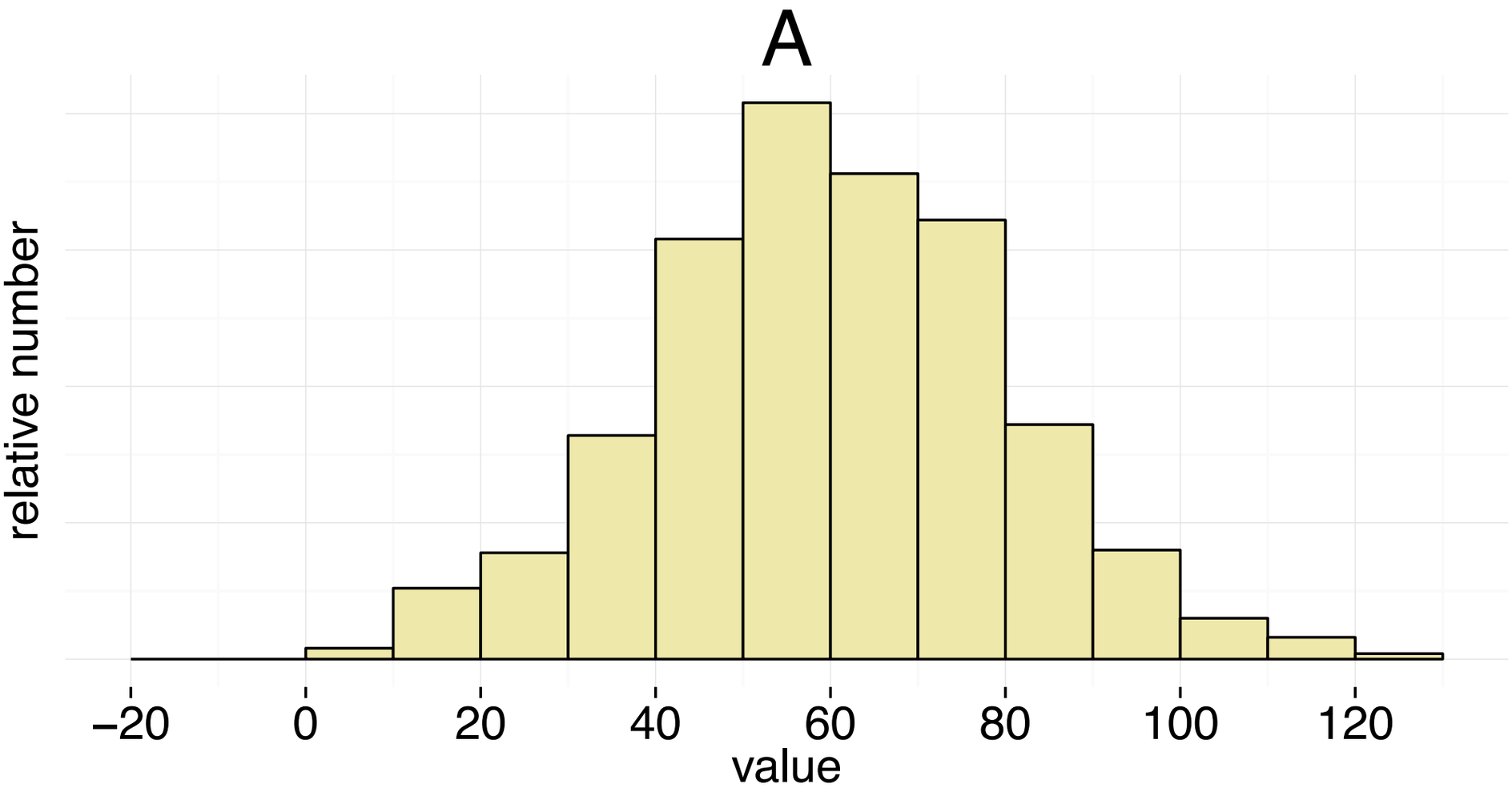


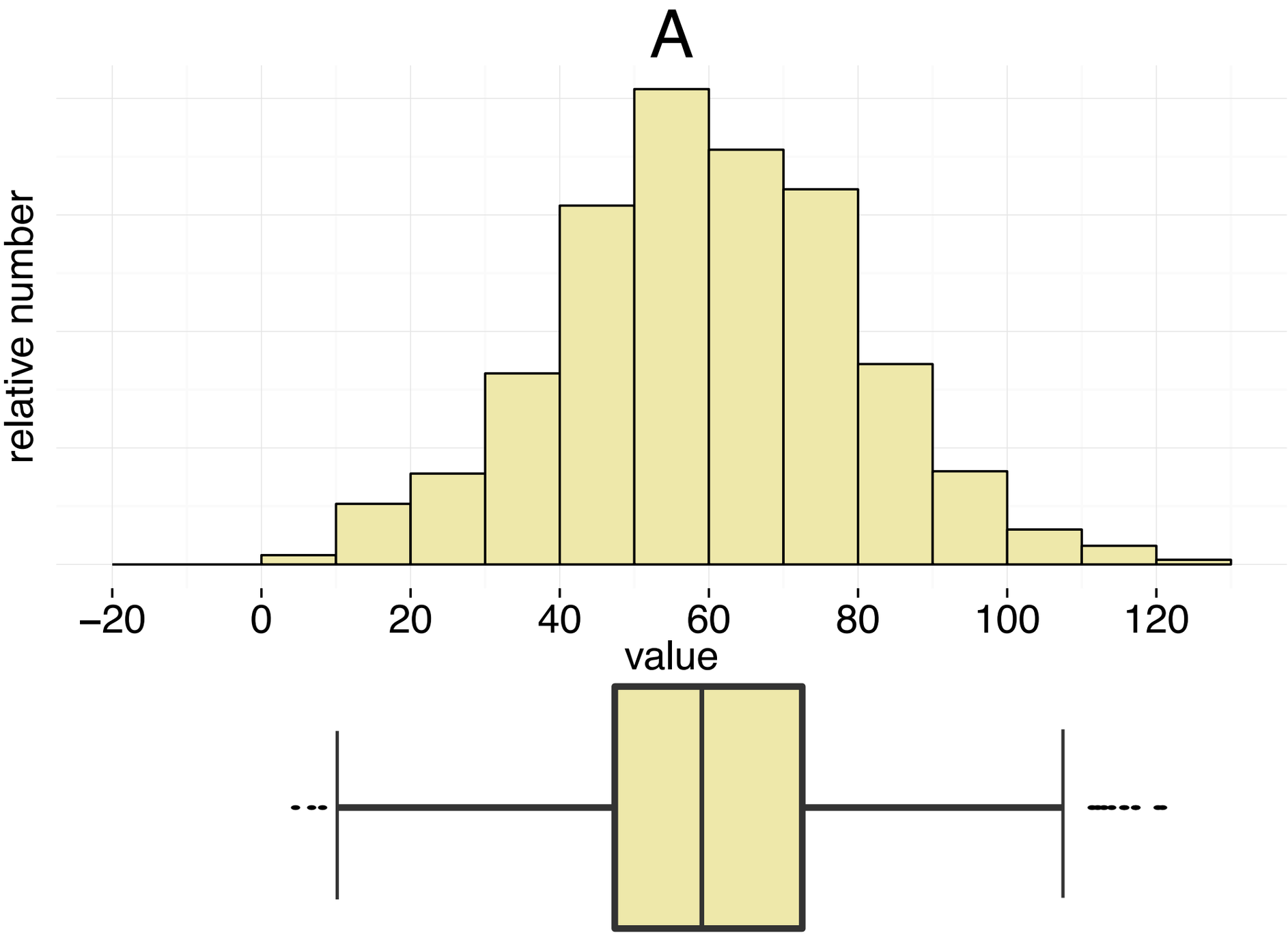
Groups

for each of the six distributions you just looked at, you'll be shown the same distribution again. Briefly compare your results within the group.

You'll then be shown an additional representation on the same slide - a box plot if you'd only seen a histogram before, and vice versa.

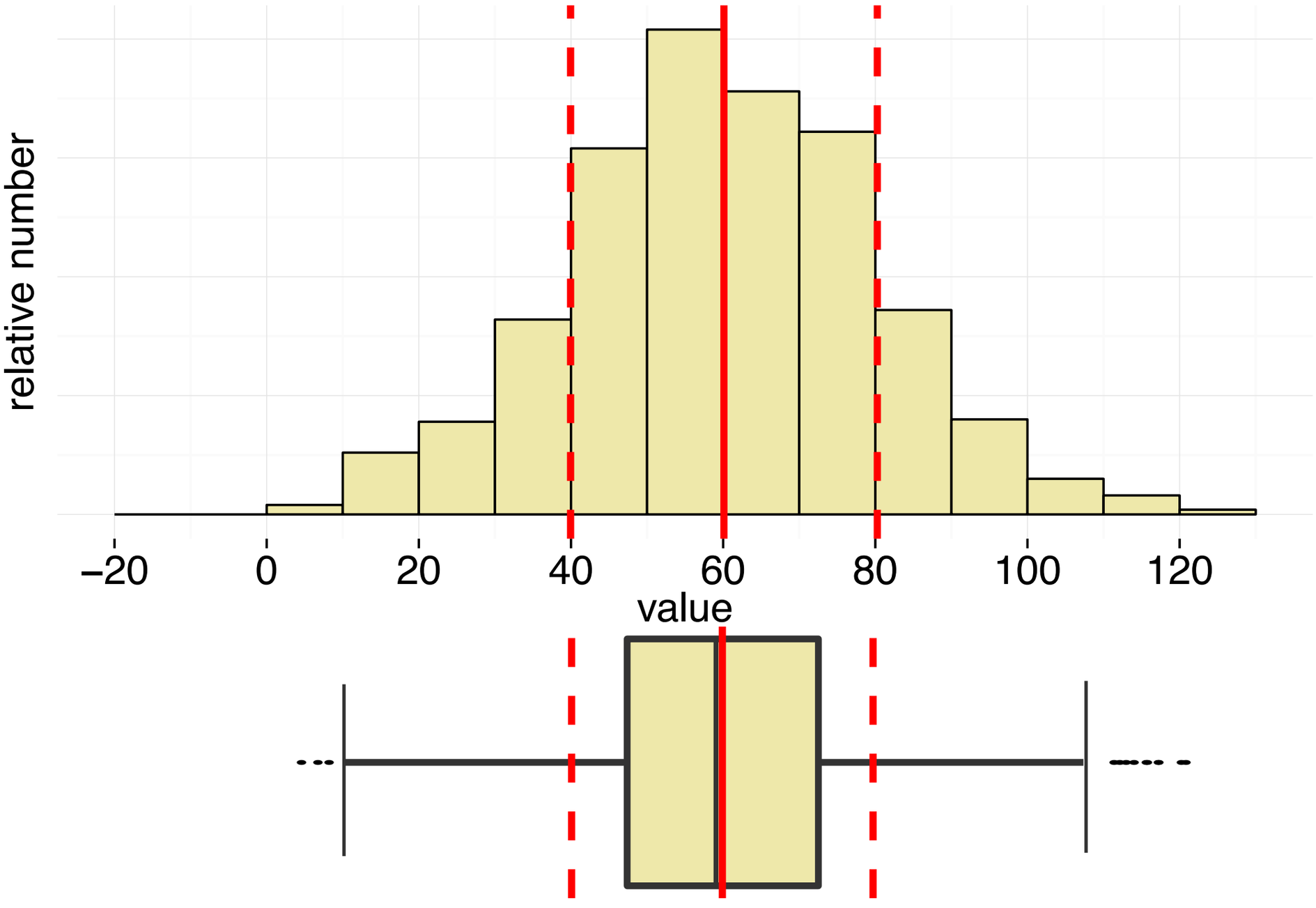
You've got a minute to agree on a mean and standard deviation and write it on the board


A
relative number
−20
0
20
40
60
80
100
120
value

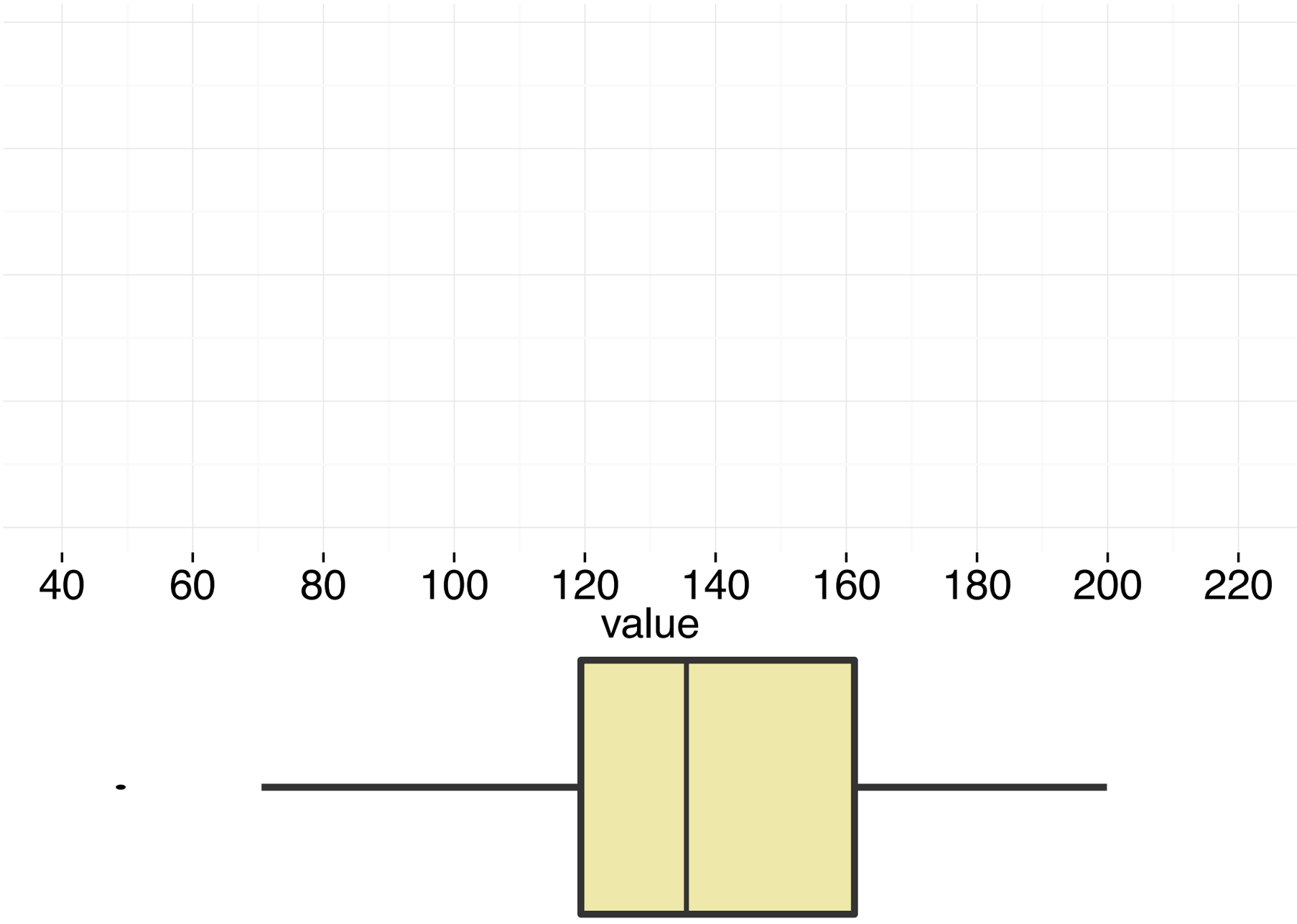

A
relative number
−20
0
20
40
60
80
100
120
value

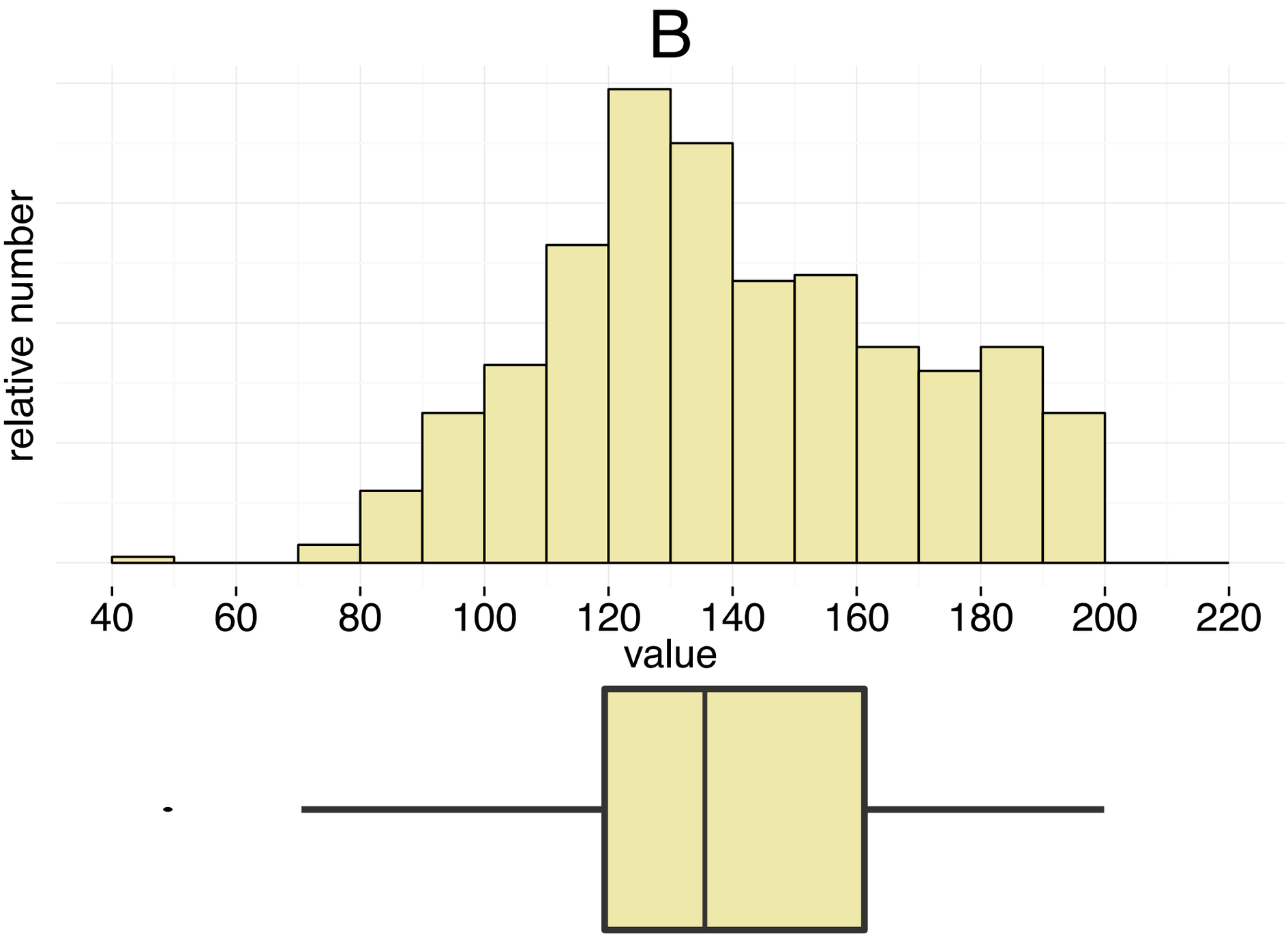
mean: 60
sd: 20

A

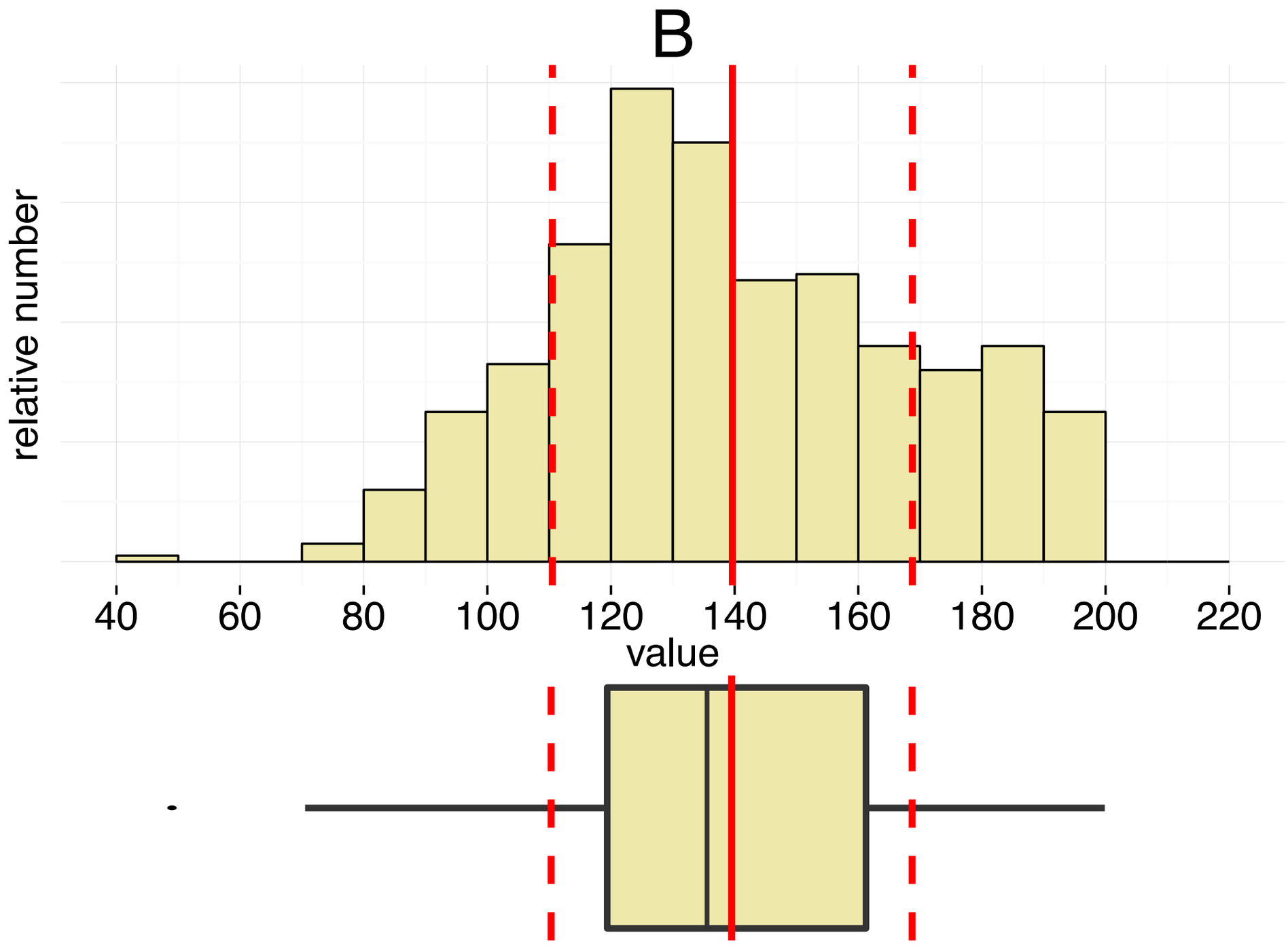


B

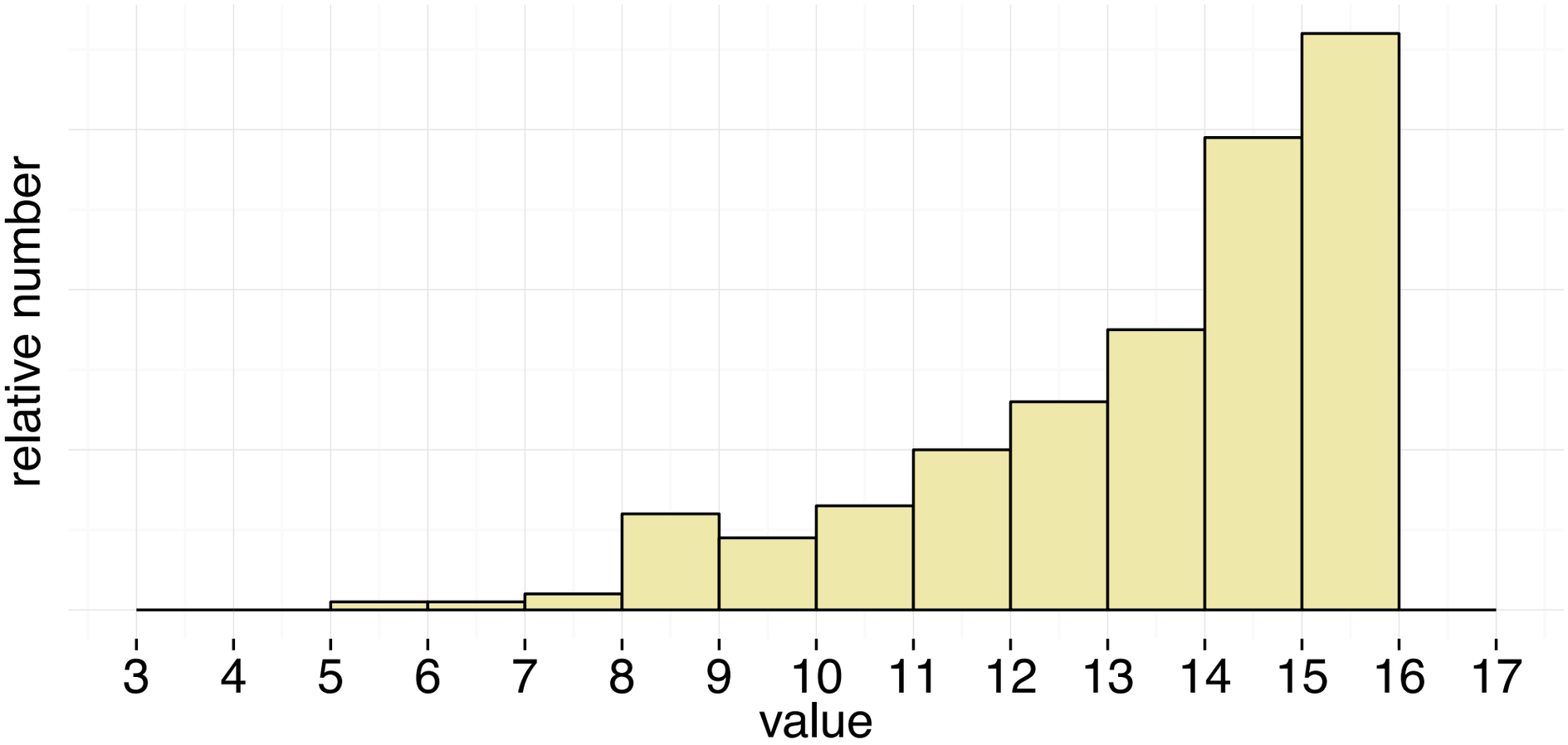



B
relative number
40
60
80
100
120
140
160
180
200
220
value

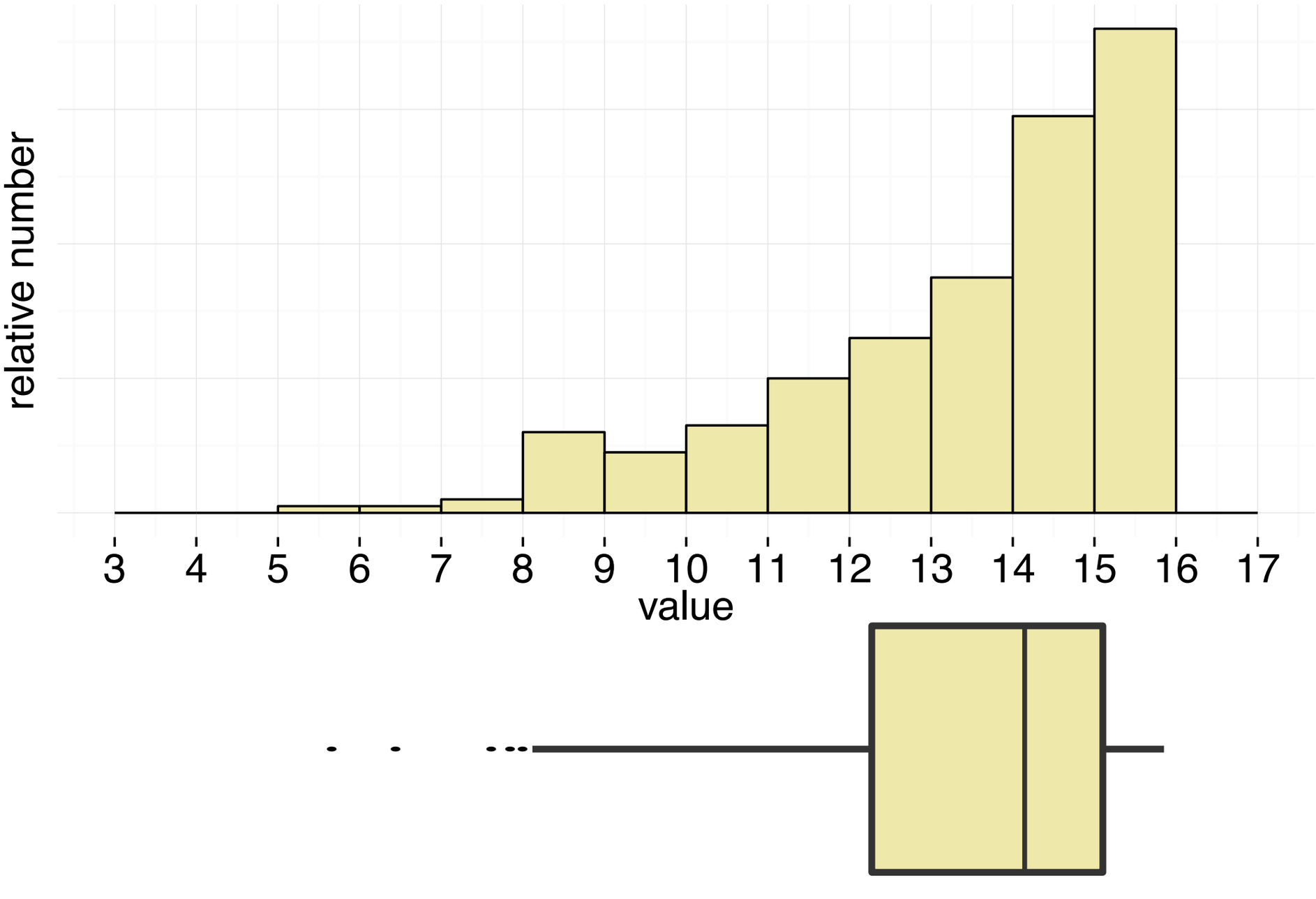
mean: 140
sd: 29



C

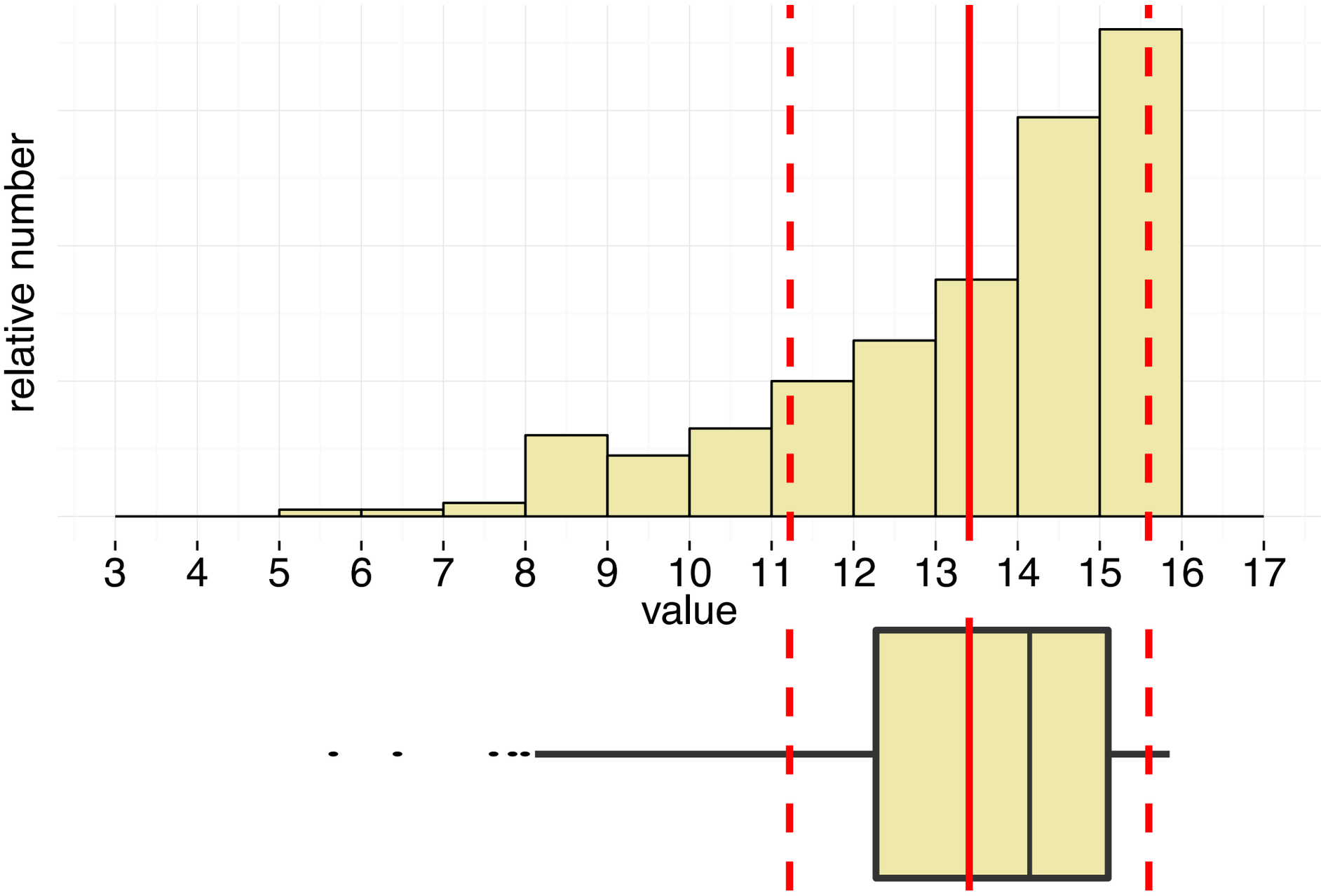


C

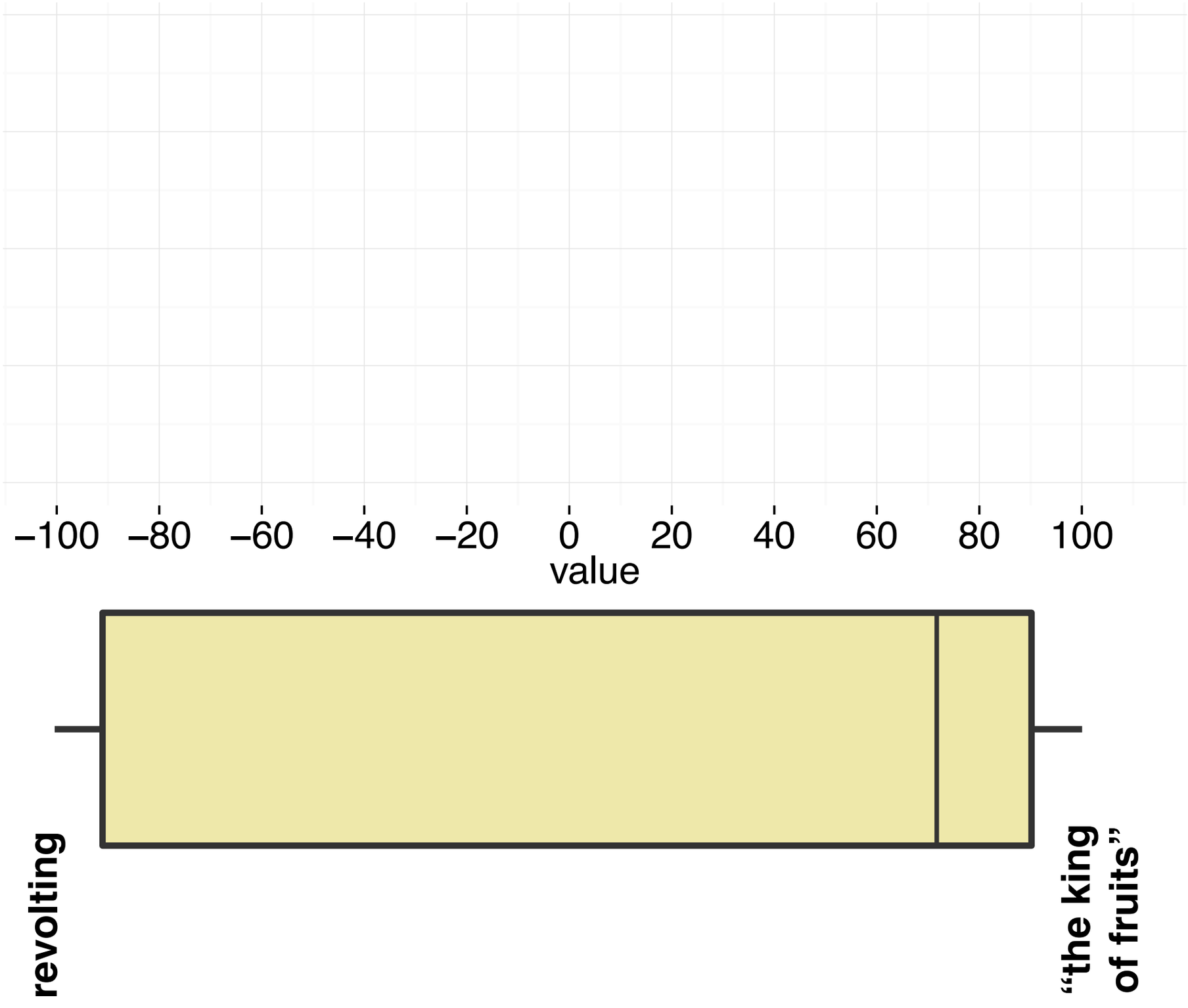


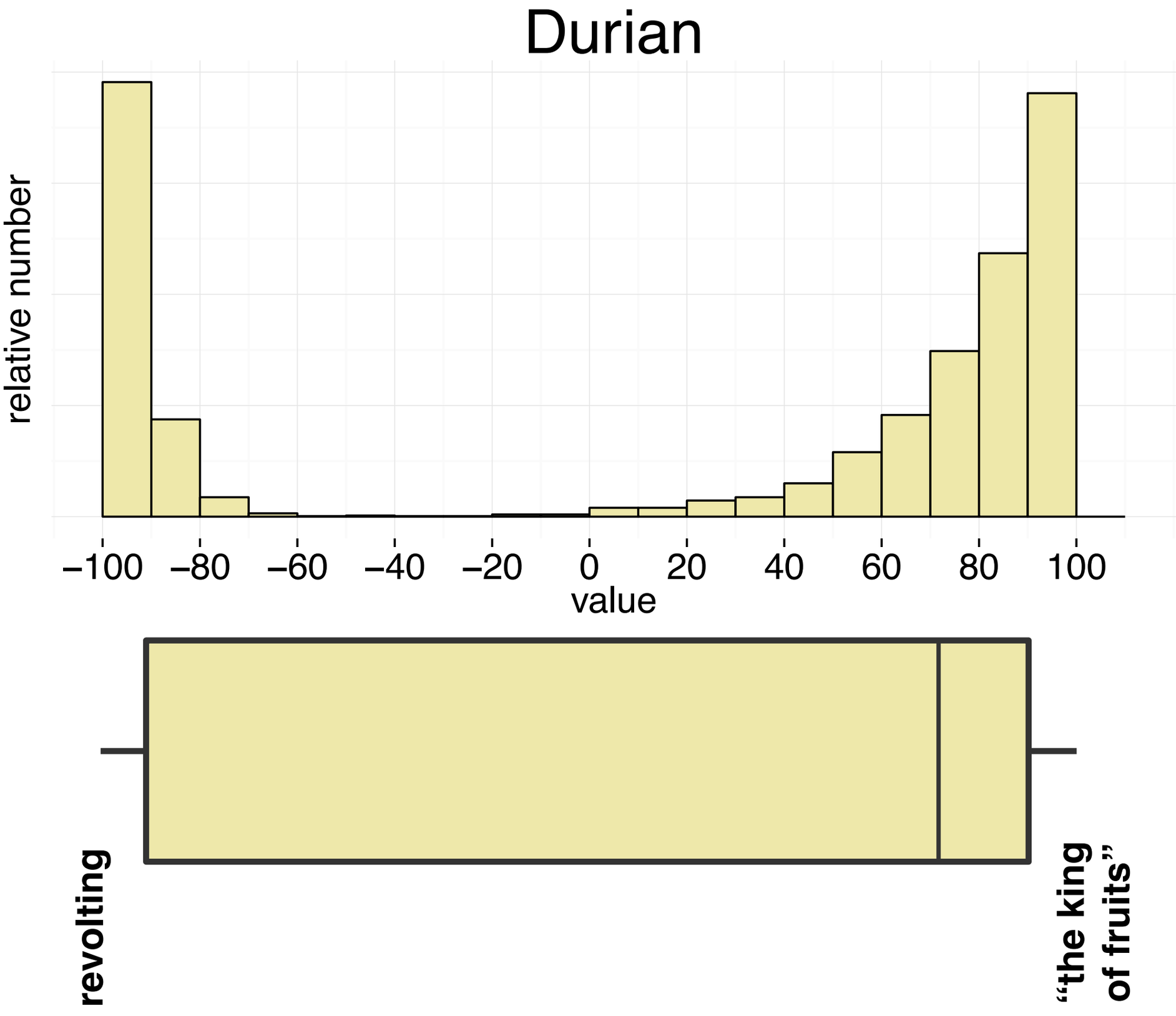
mean: 13.4
sd: 2.2

C



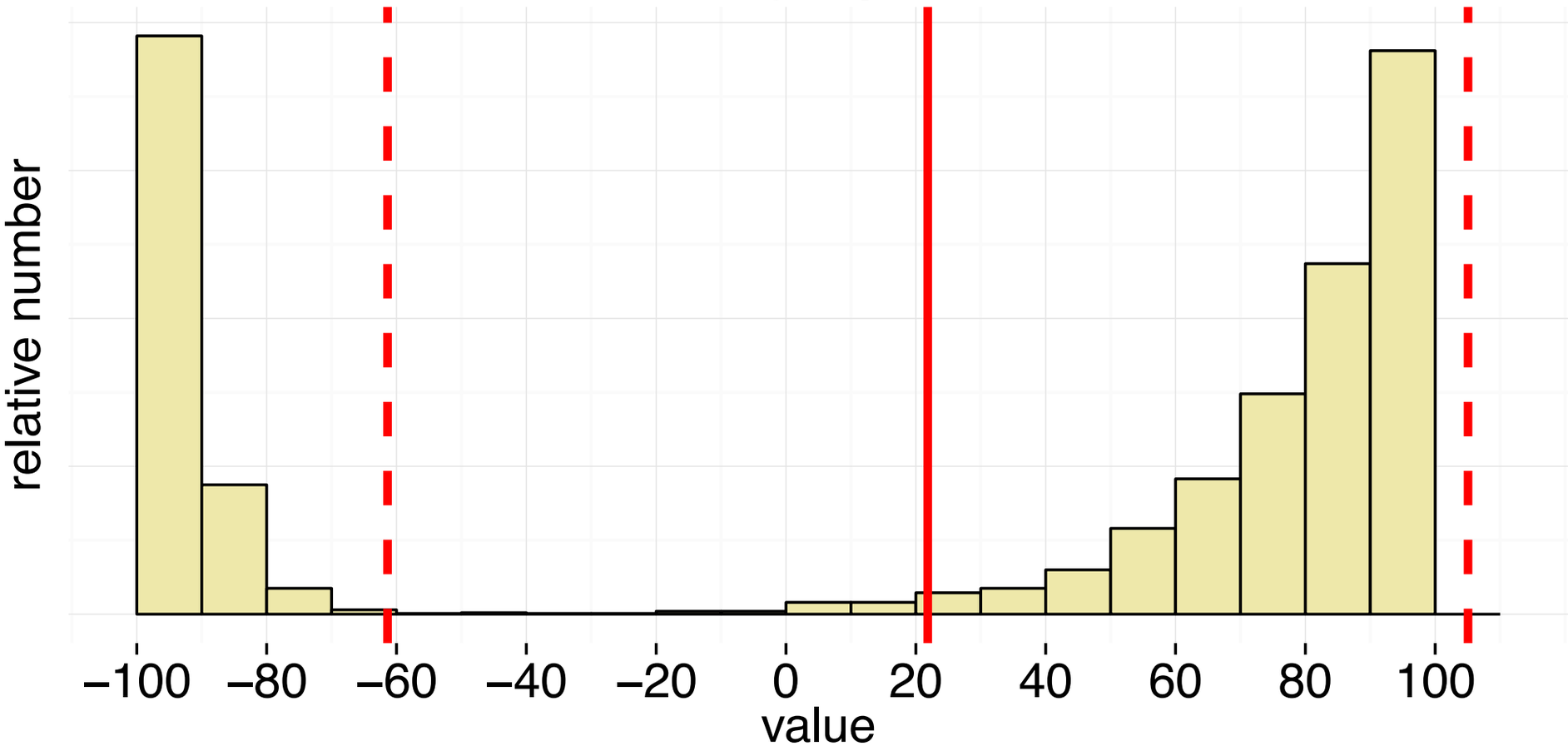
Durian

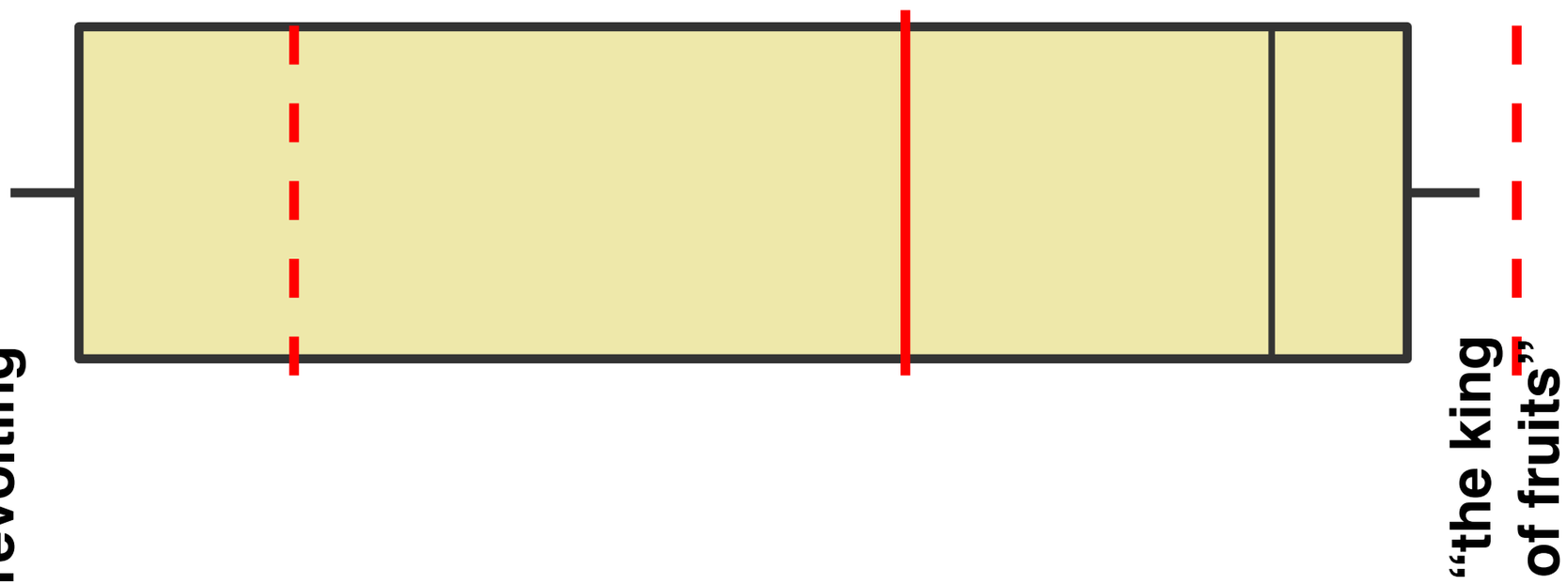

−100
−80
−60
−40
−20
0
20
40
60
80
100
value
revolting
“the king of fruits”

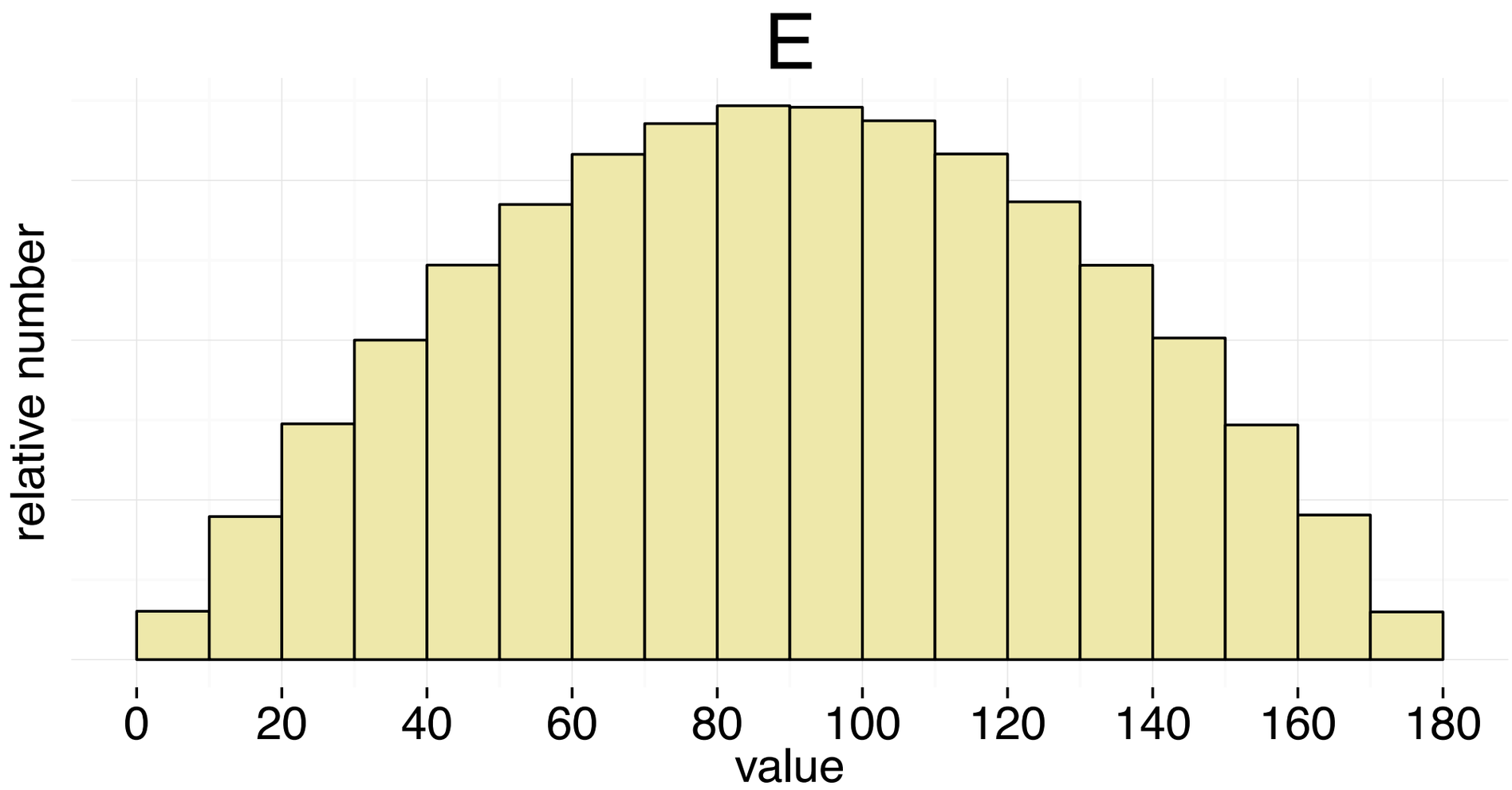

Durian
relative number
−100
−80
−60
−40
−20
0
20
40
60
80
100
value
revolting
“the king
of fruits”

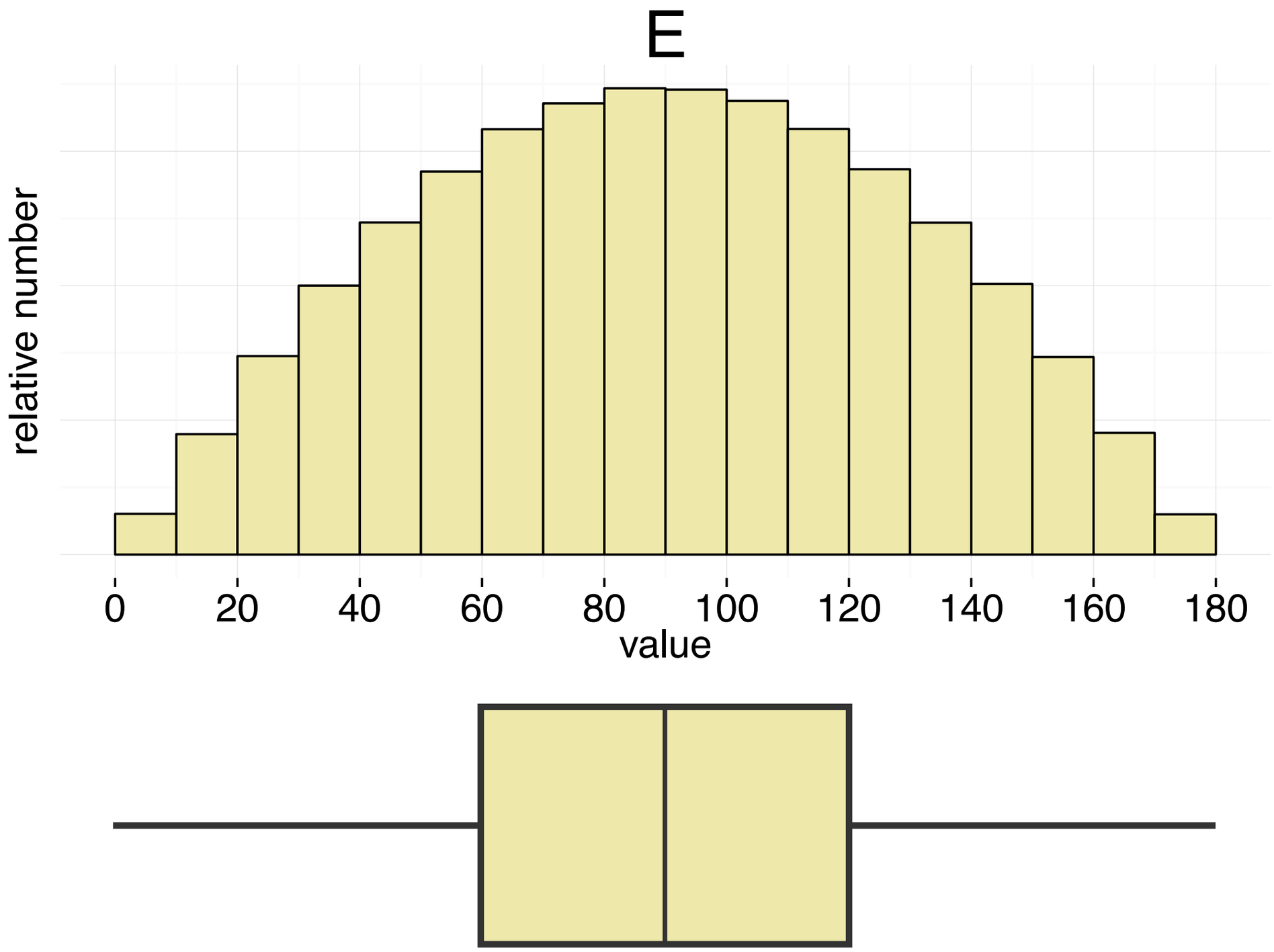
mean: 22
sd: 83

Durian

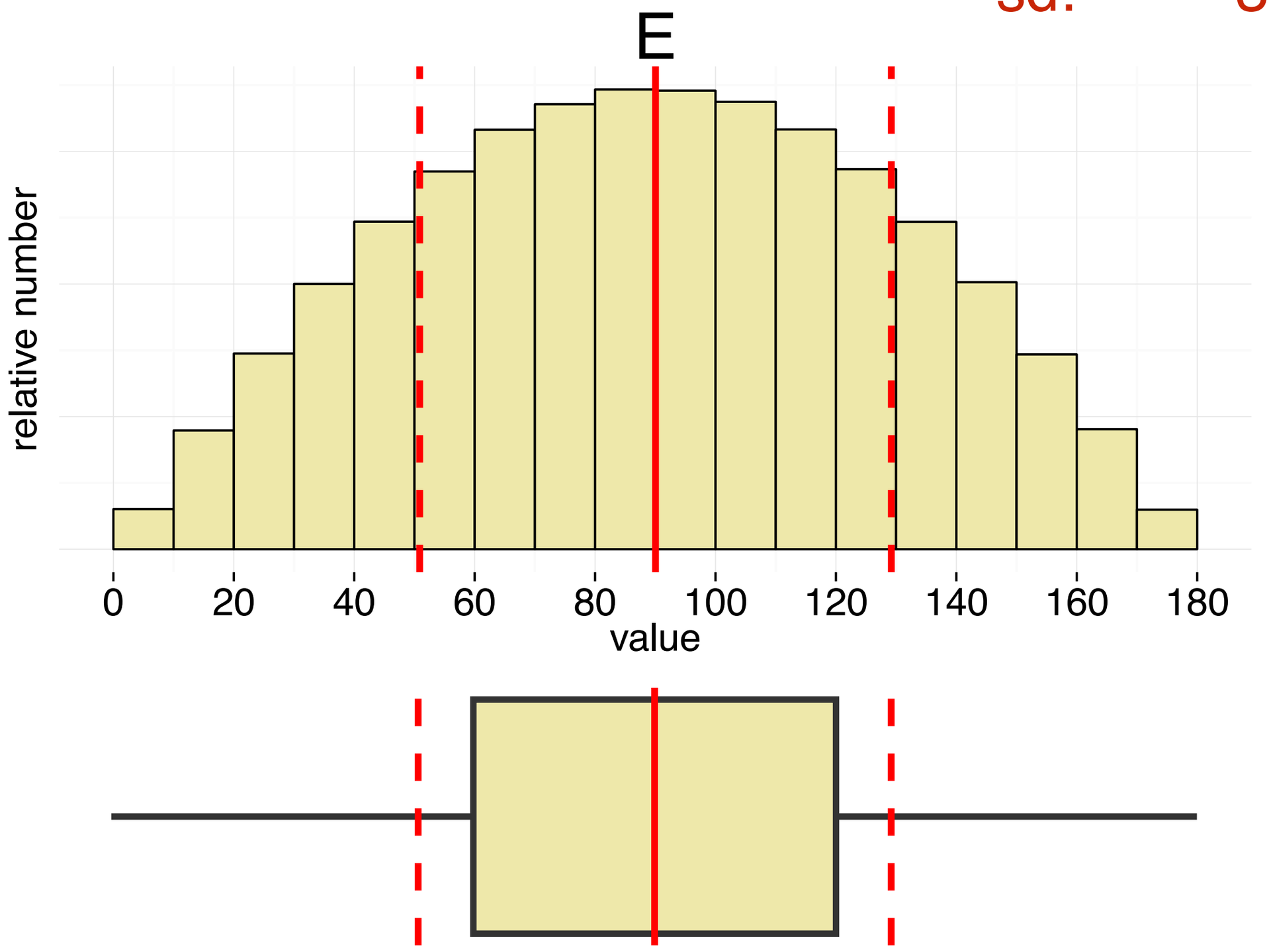




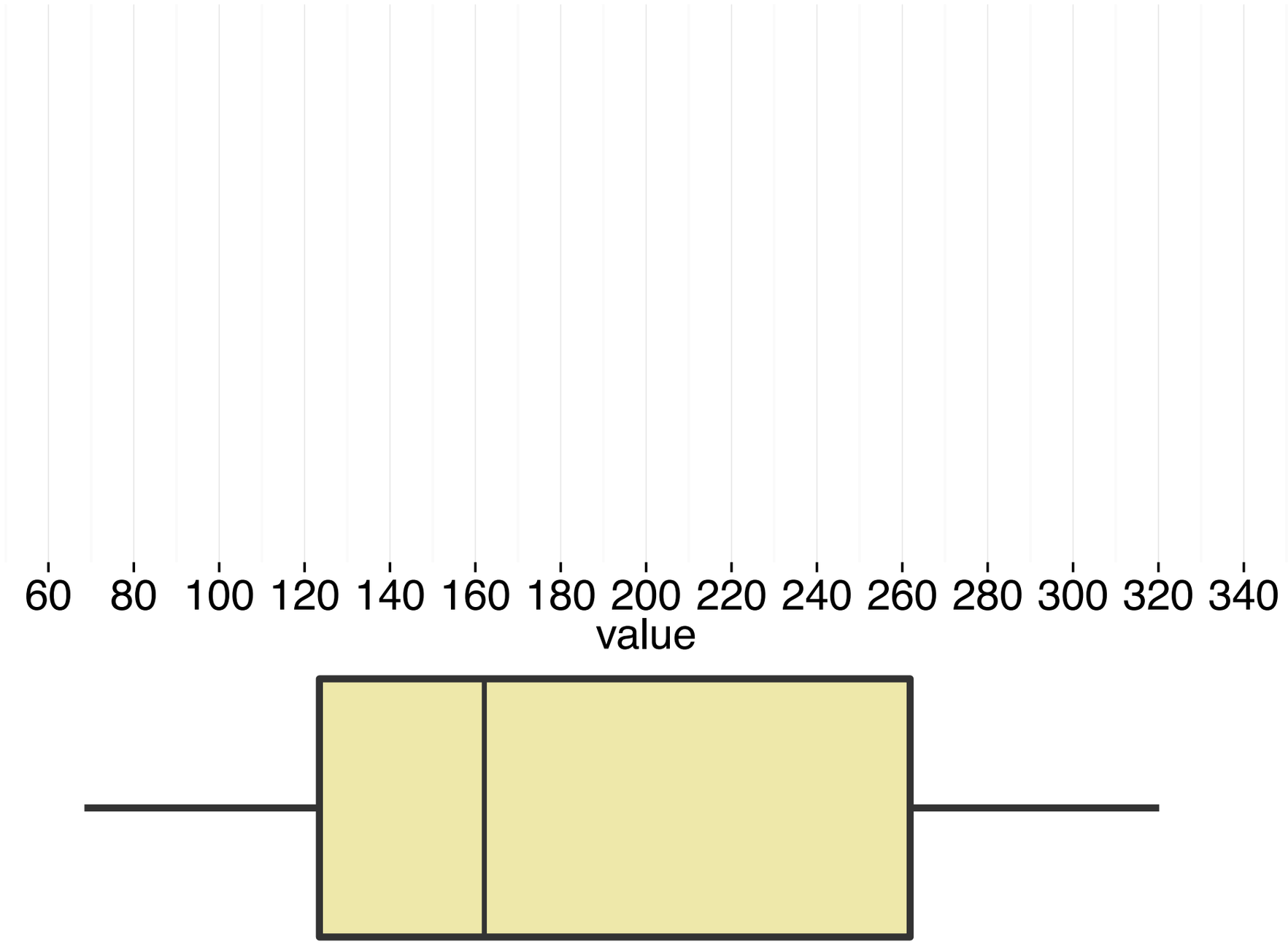

E
relative number
0
20
40
60
80
100
120
140
160
180
value

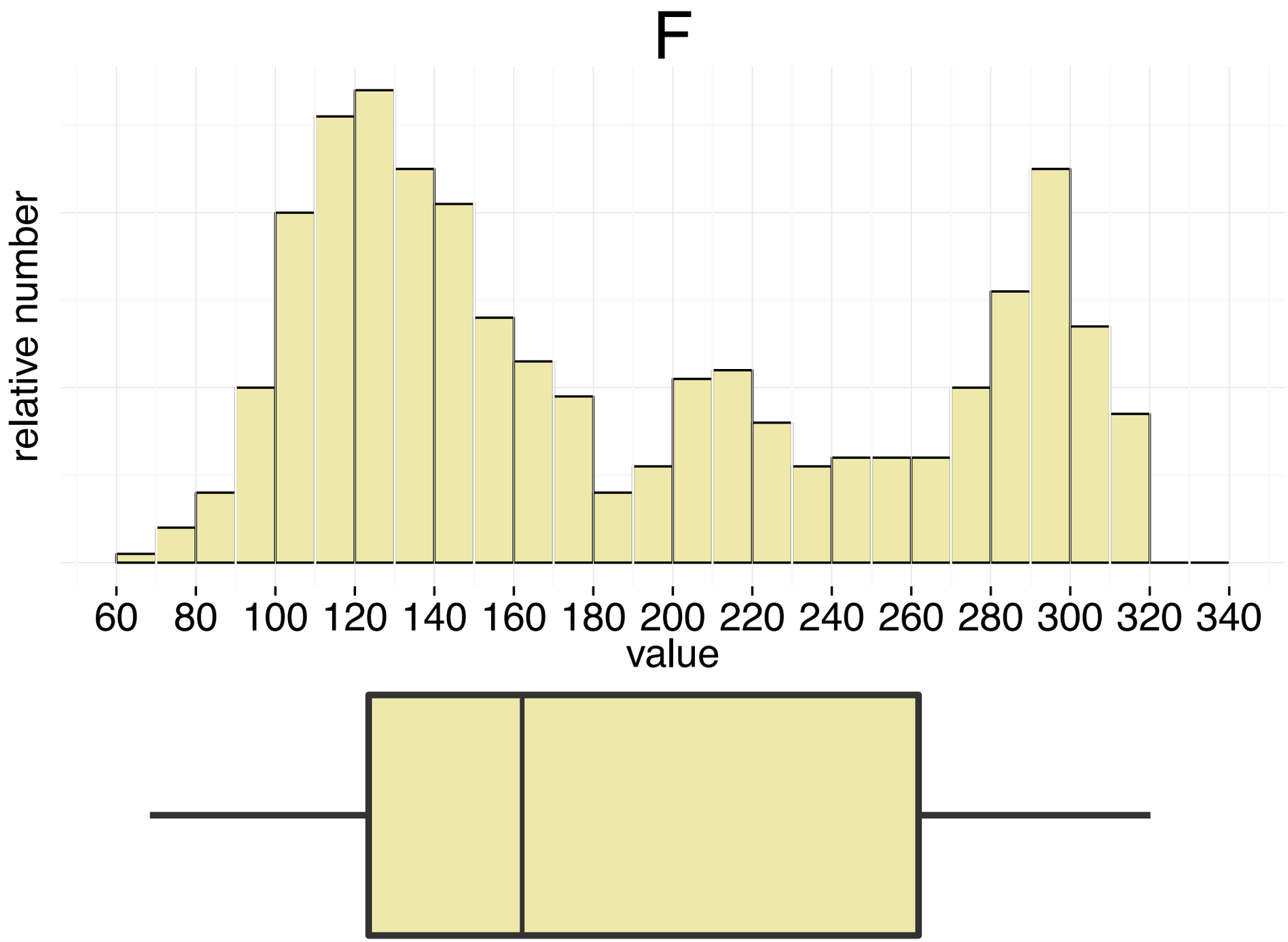

E
relative number
0
20
40
60
80
100
120
140
160
180
value

mean: 90
sd: 39



F




F
relative number
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
value

mean: 187
sd: 73

F

relative number

60 80 100 120 140 160 180 200 220 240 260 280 300 320 340

value