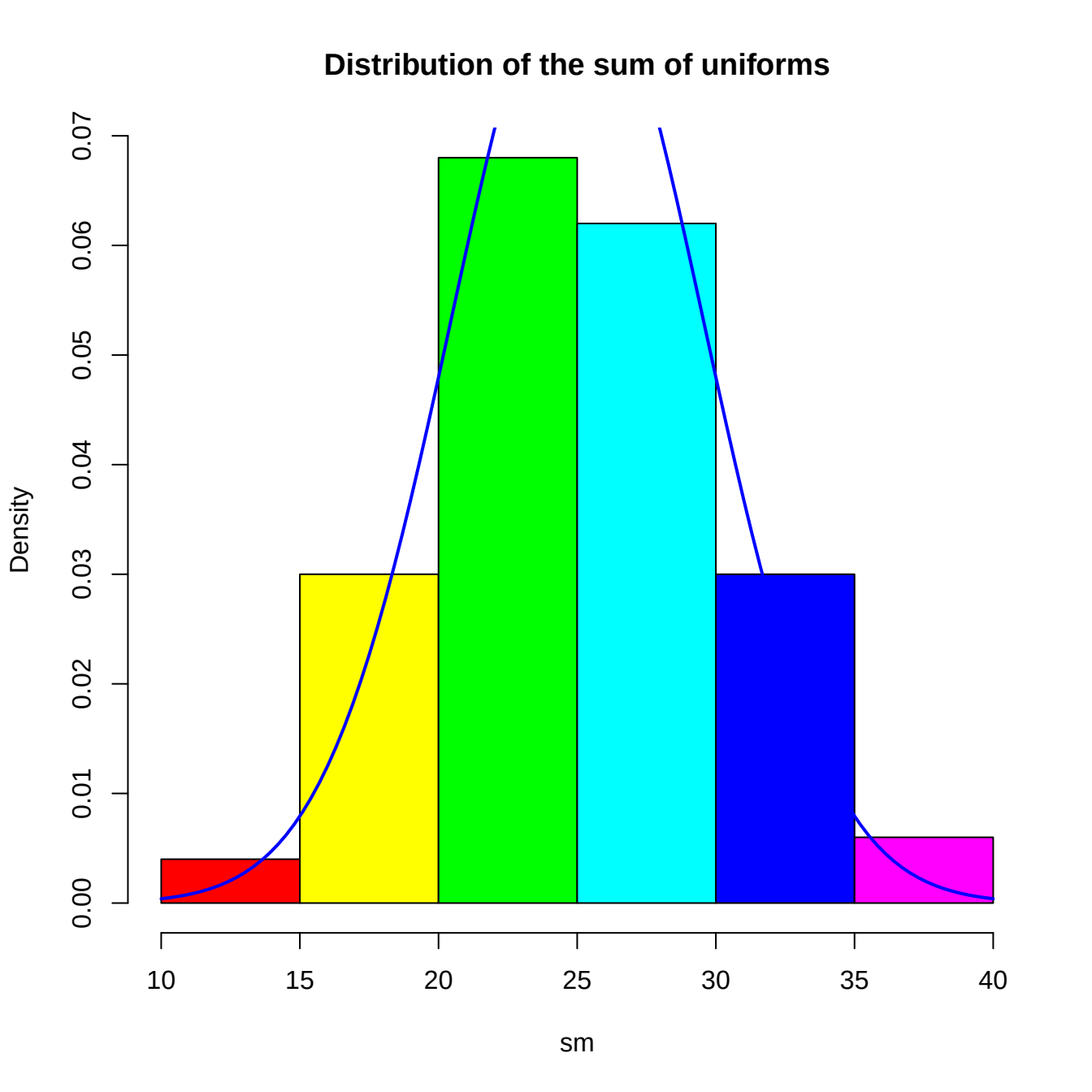
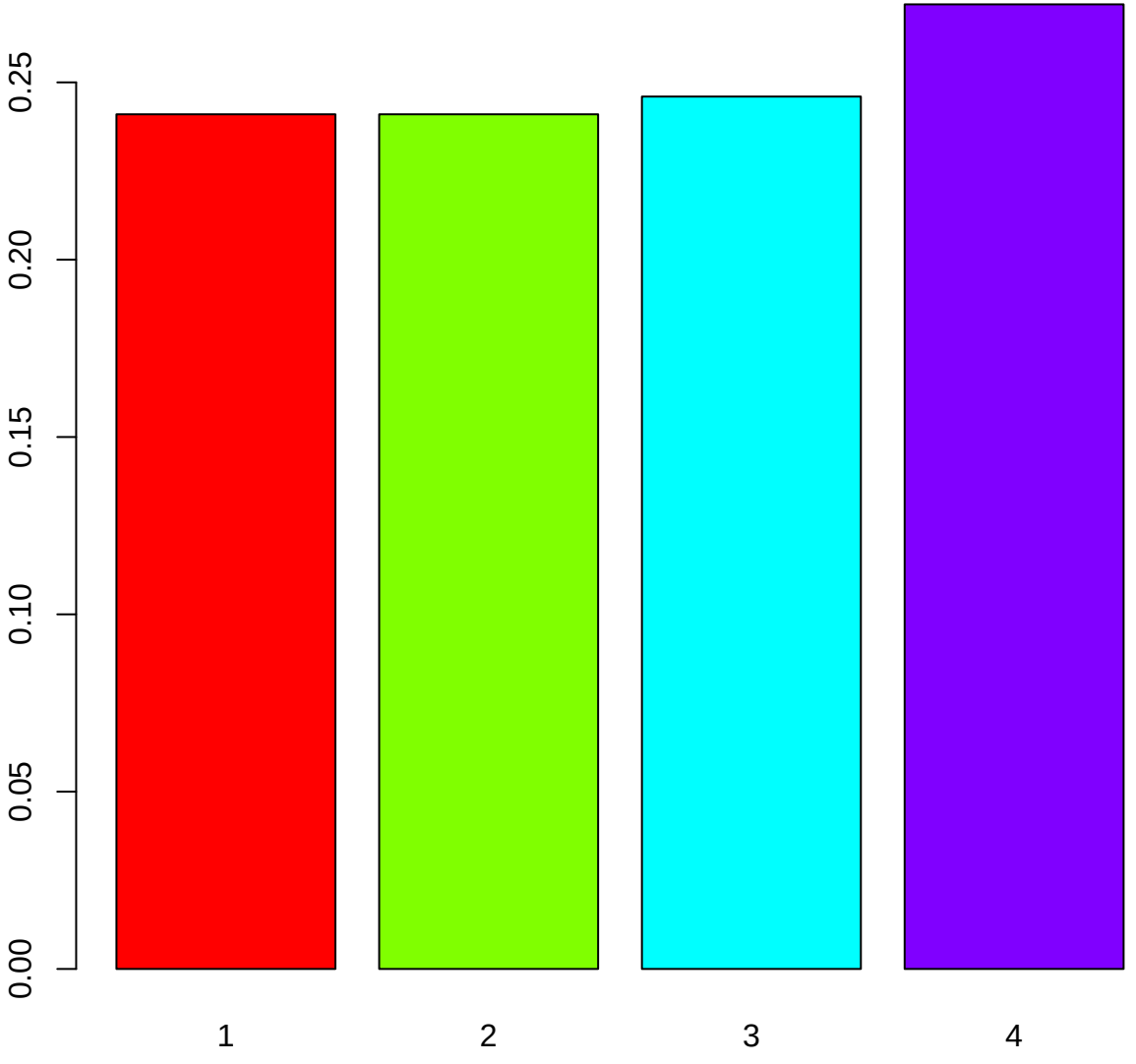
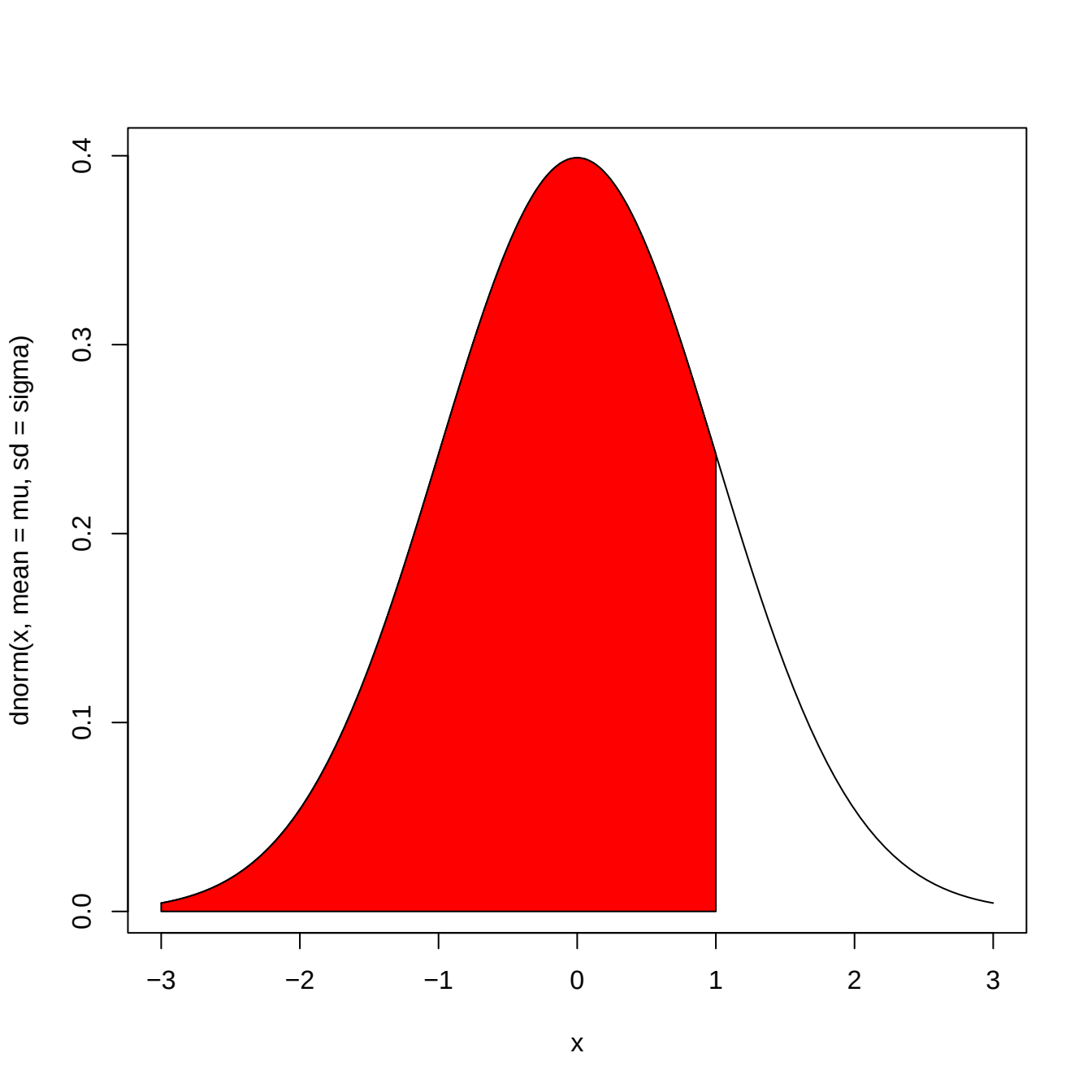
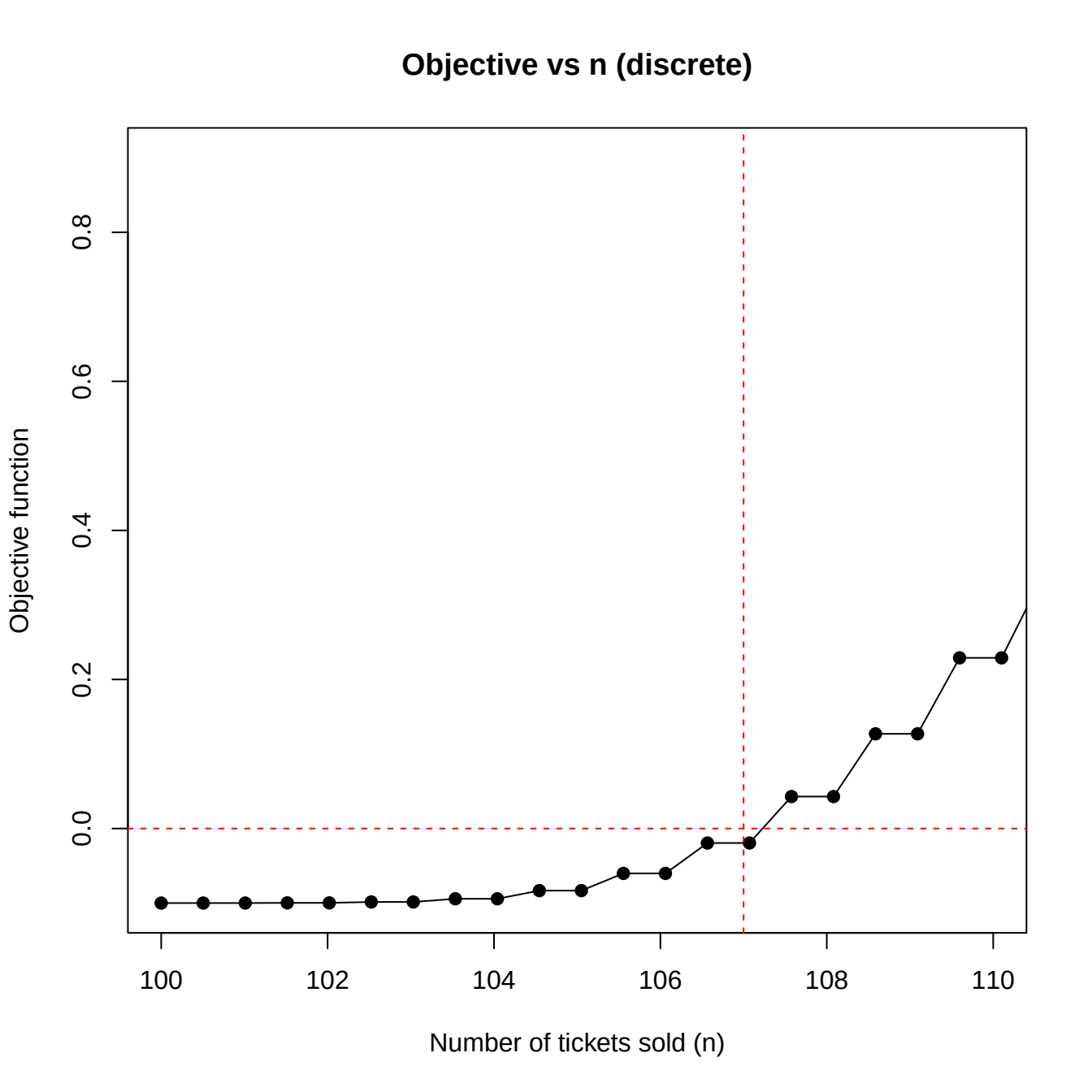
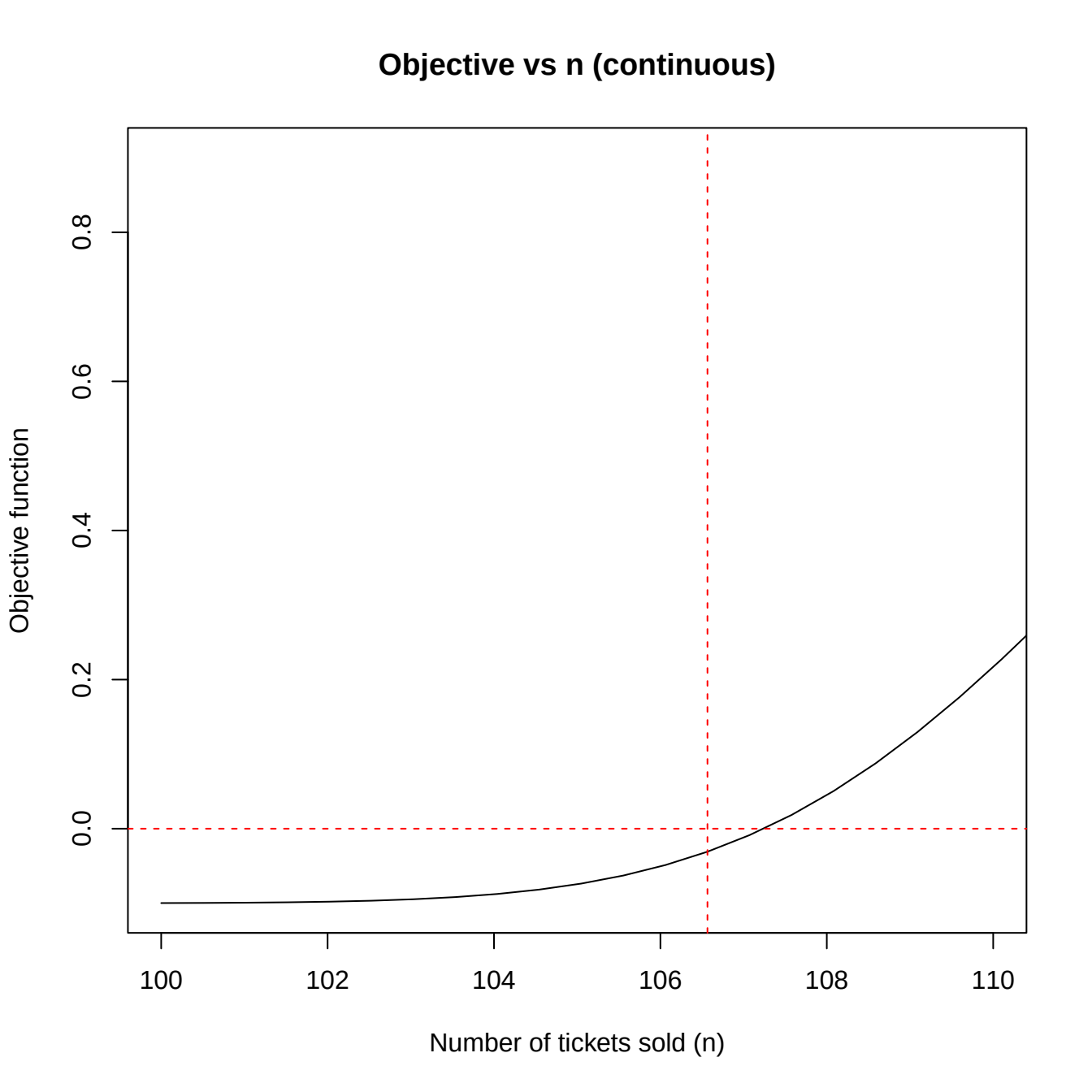
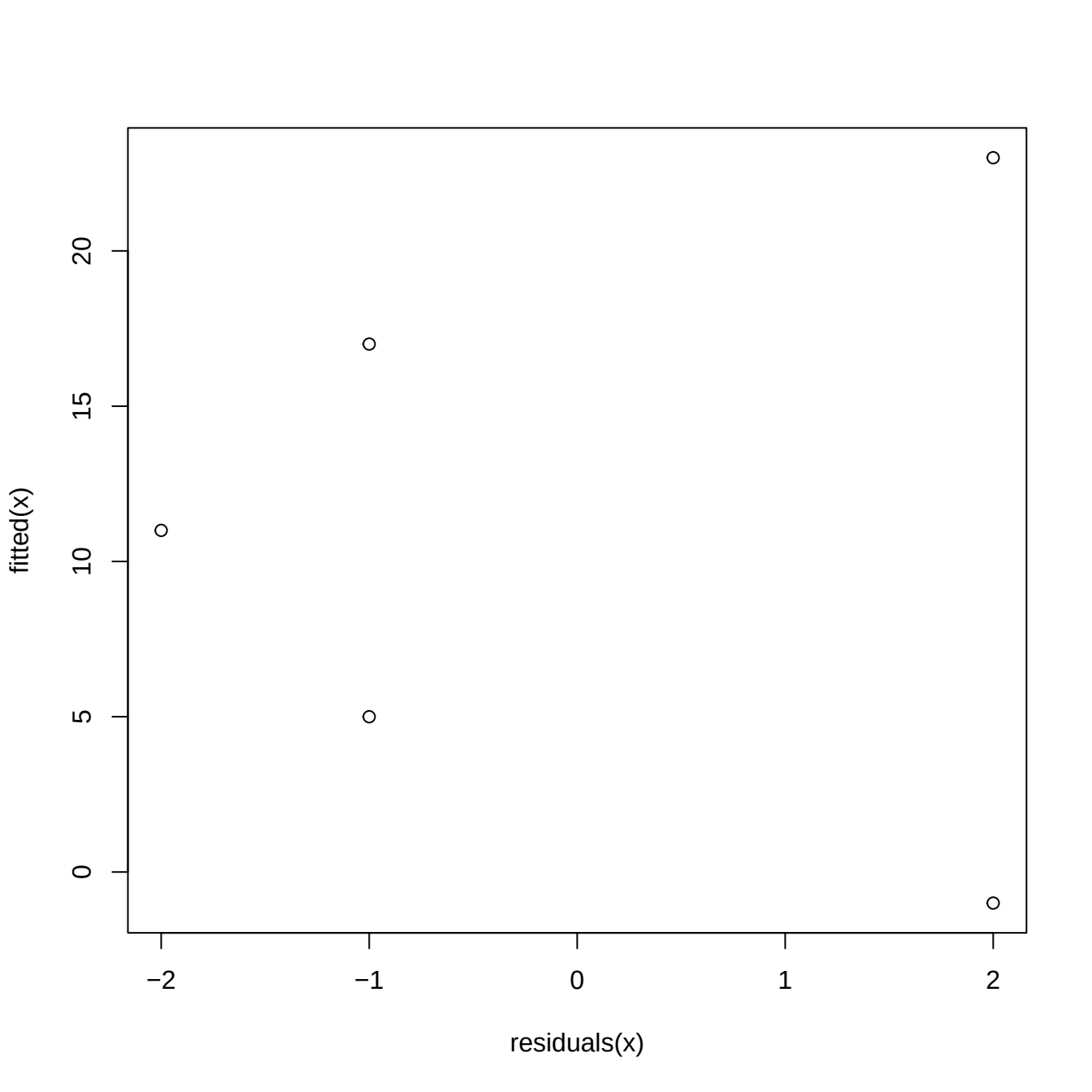

Distribution of the sum of uniforms
Density
0.00
0.01
0.02
0.03
0.04
0.05
0.06
0.07
10
15
20
25
30
35
40
sm


0.25
0.20
0.15
0.10
0.05
0.00
1
2
3
4


dnorm(x, mean = mu, sd = sigma)
0.0
0.1
0.2
0.3
0.4
−3
−2
−1
0
1
2
3
x


Objective vs n (discrete)
Objective function
0.0
0.2
0.4
0.6
0.8
100
102
104
106
108
110
Number of tickets sold (n)


Objective vs n (continuous)
Objective function
0.0
0.2
0.4
0.6
0.8
100
102
104
106
108
110
Number of tickets sold (n)


fitted(x)
0
5
10
15
20
−2
−1
0
1
2
residuals(x)