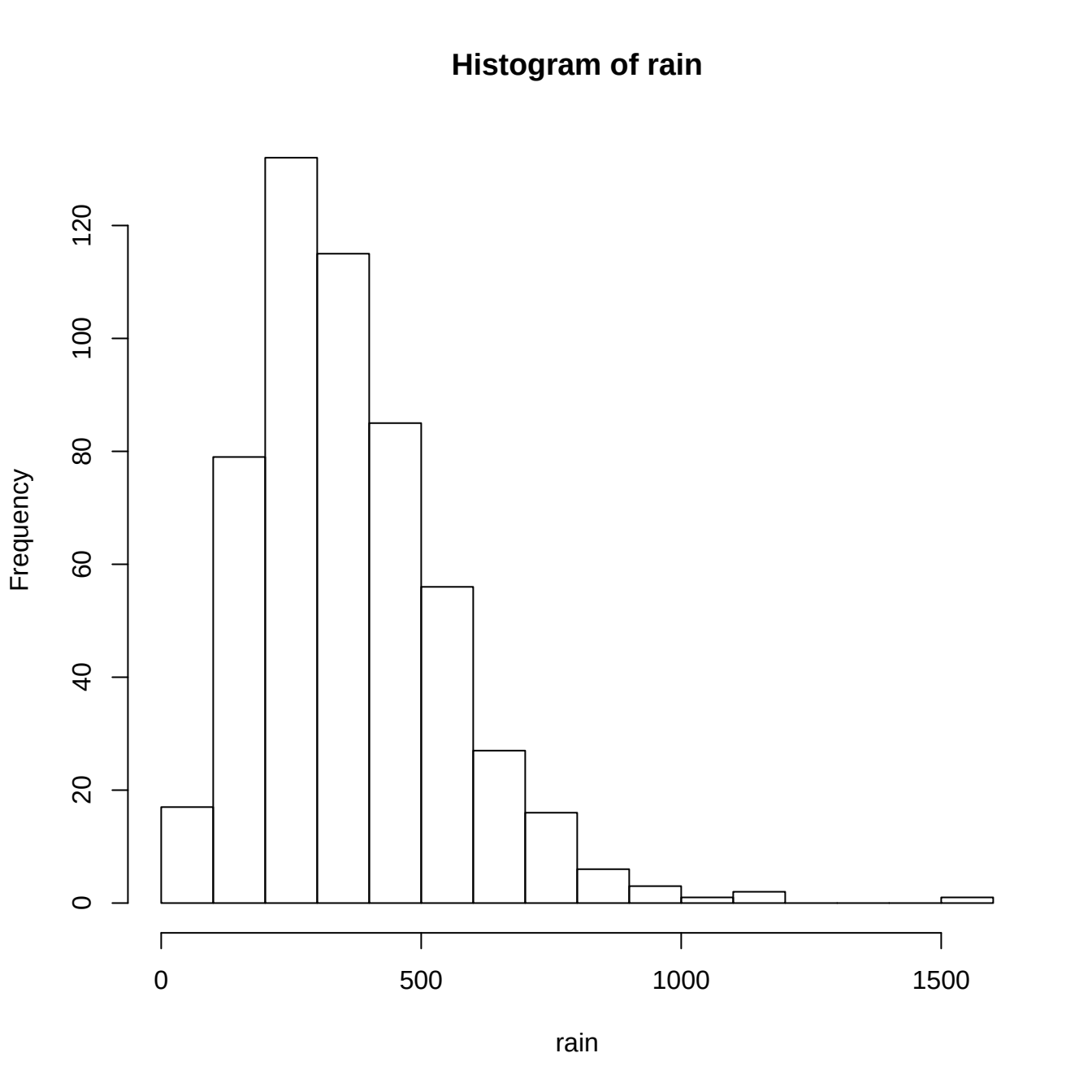
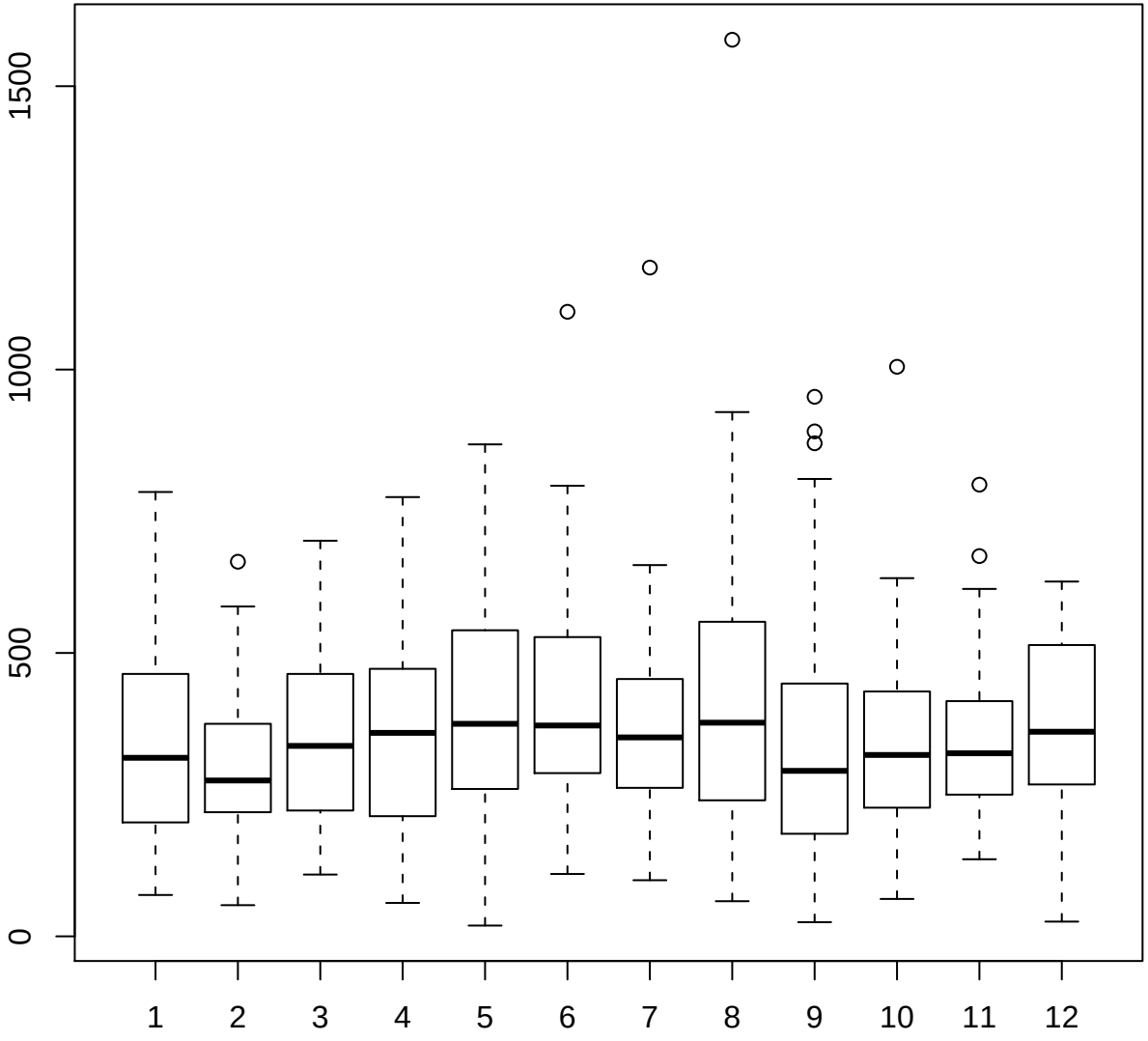
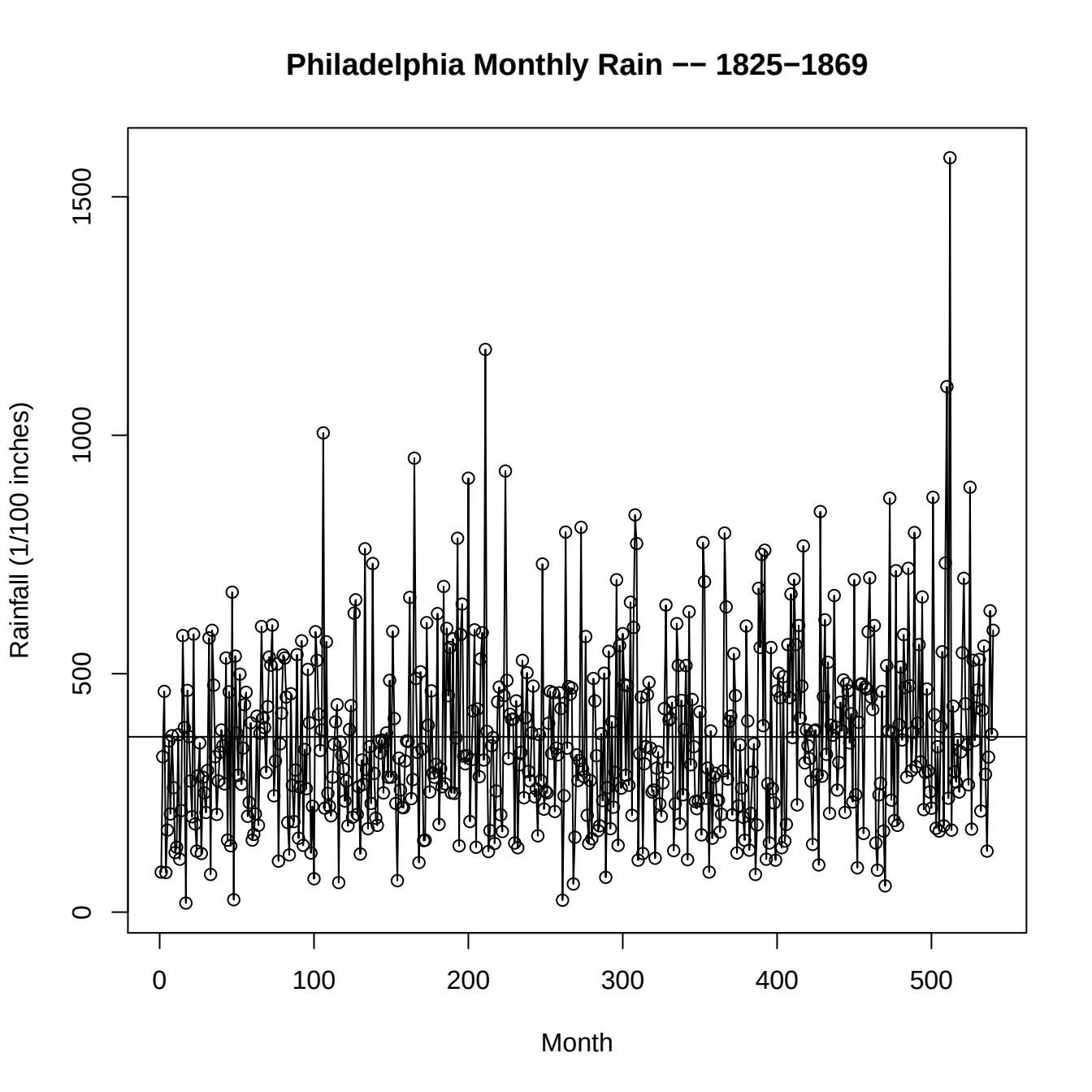
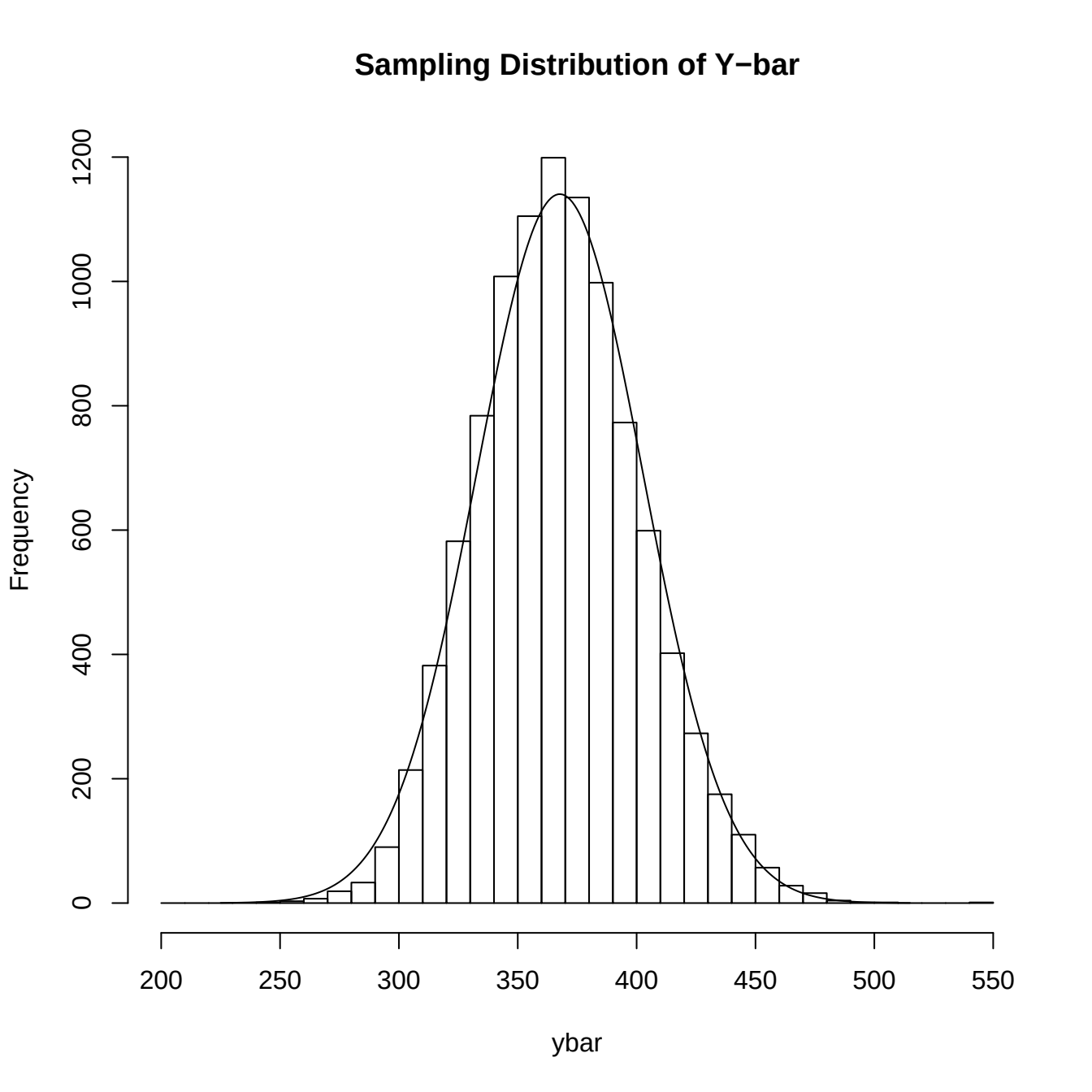
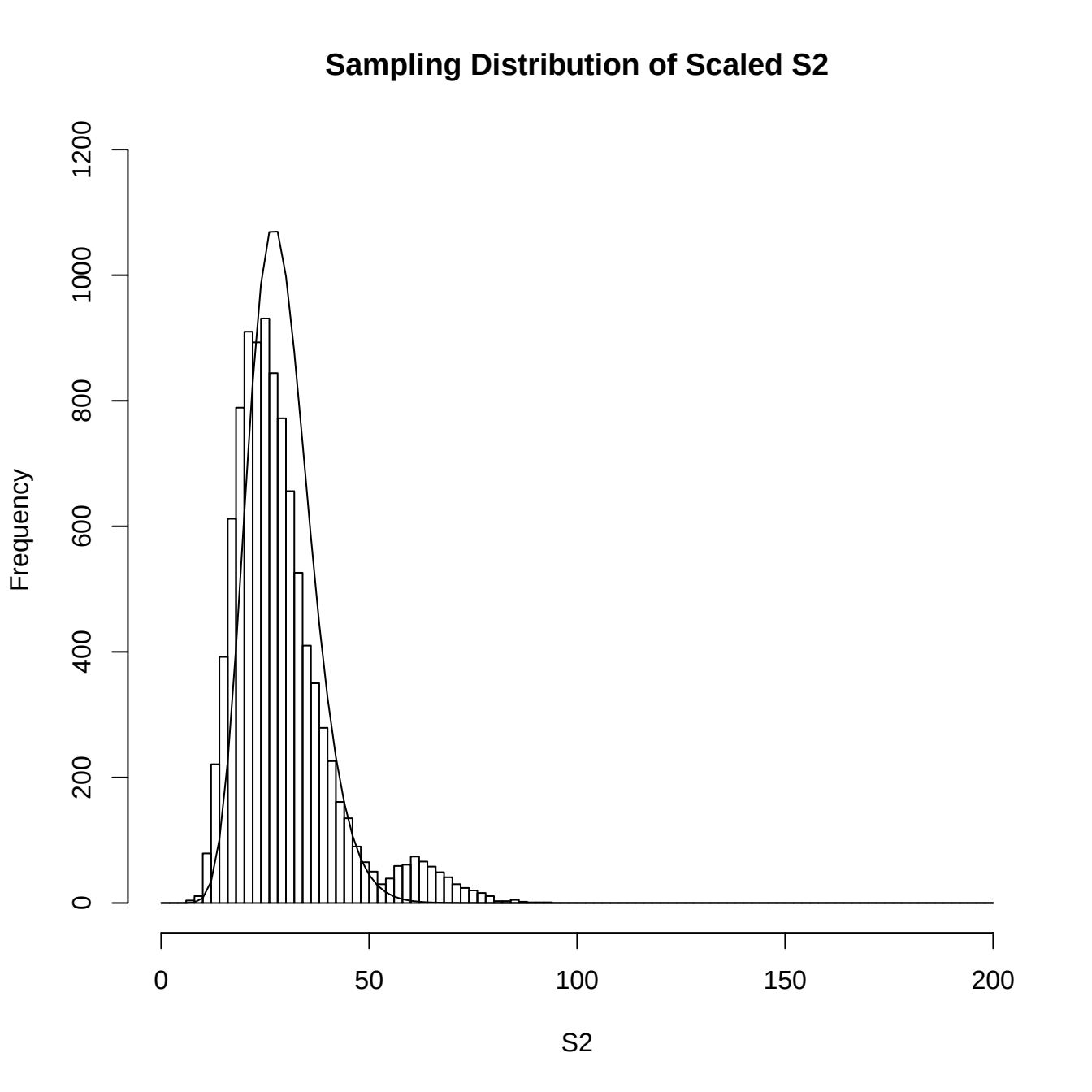

Histogram of rain
Frequency
0
20
40
60
80
100
120
0
500
1000
1500
rain


0
500
1000
1500
1
2
3
4
5
6
7
8
9
10
11
12


Philadelphia Monthly Rain −− 1825−1869
Rainfall (1/100 inches)
0
500
1000
1500
0
100
200
300
400
500
Month


Sampling Distribution of Y−bar
Frequency
0
200
400
600
800
1000
1200
200
250
300
350
400
450
500
550
ybar


Sampling Distribution of Scaled S2
Frequency
0
200
400
600
800
1000
1200
0
50
100
150
200
S2