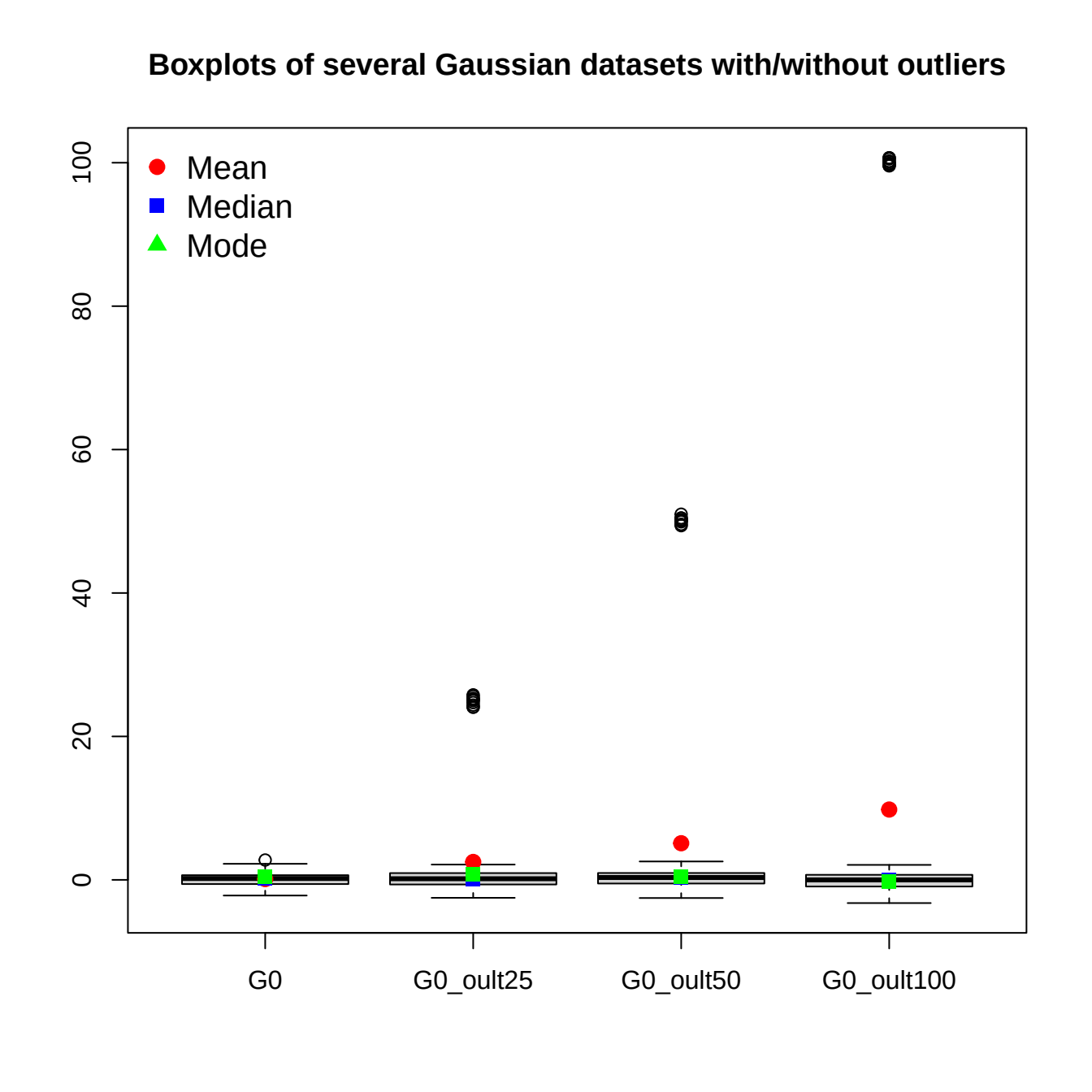
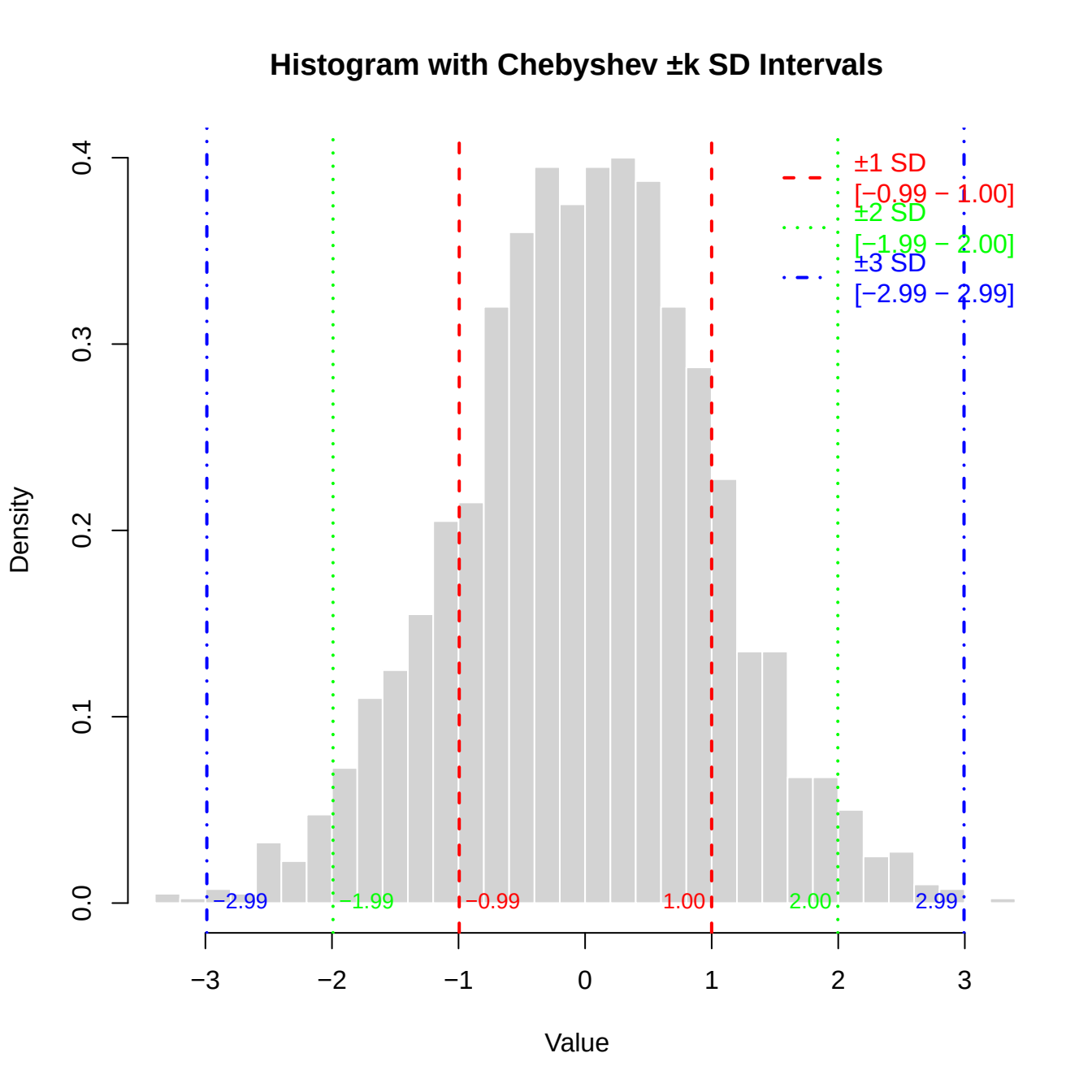
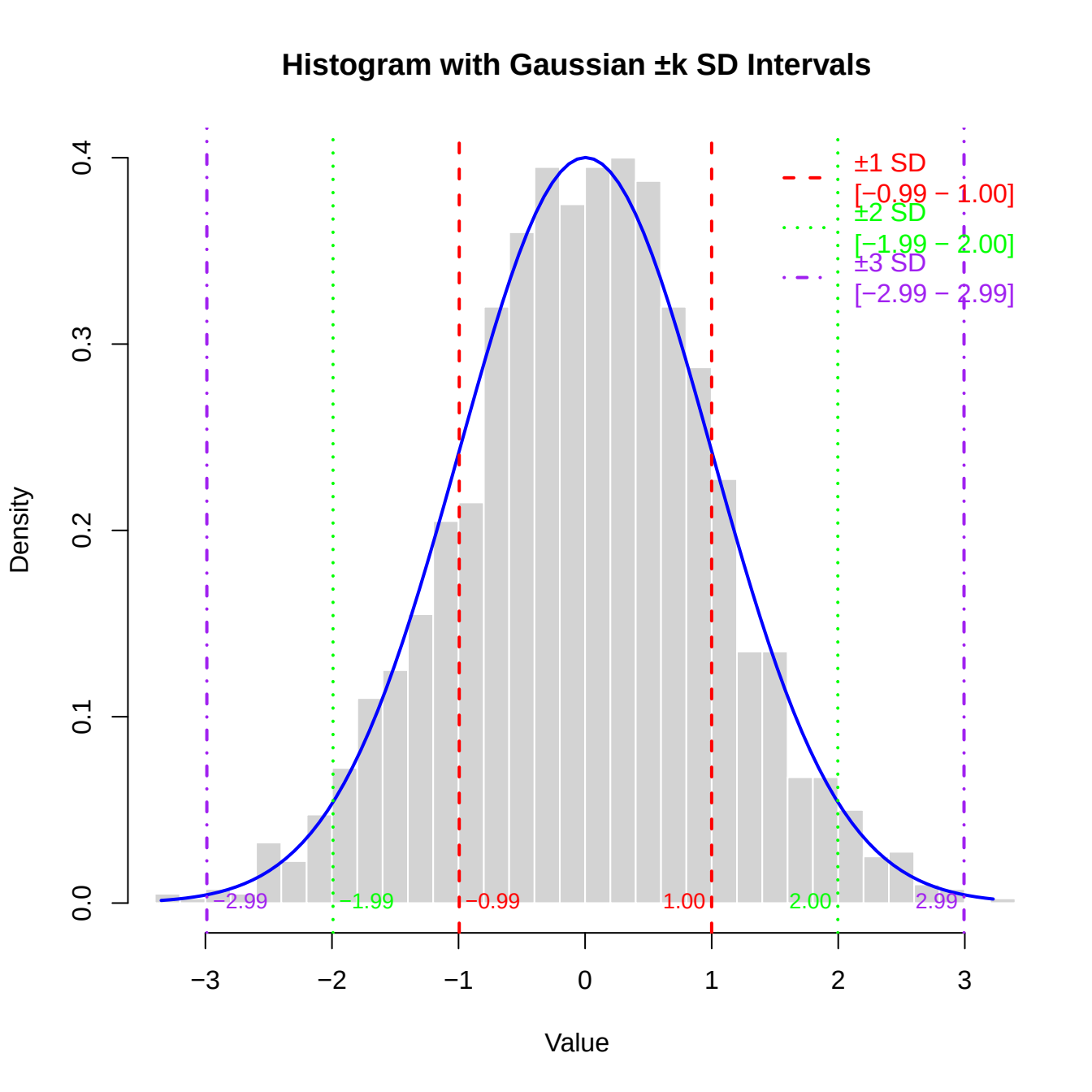
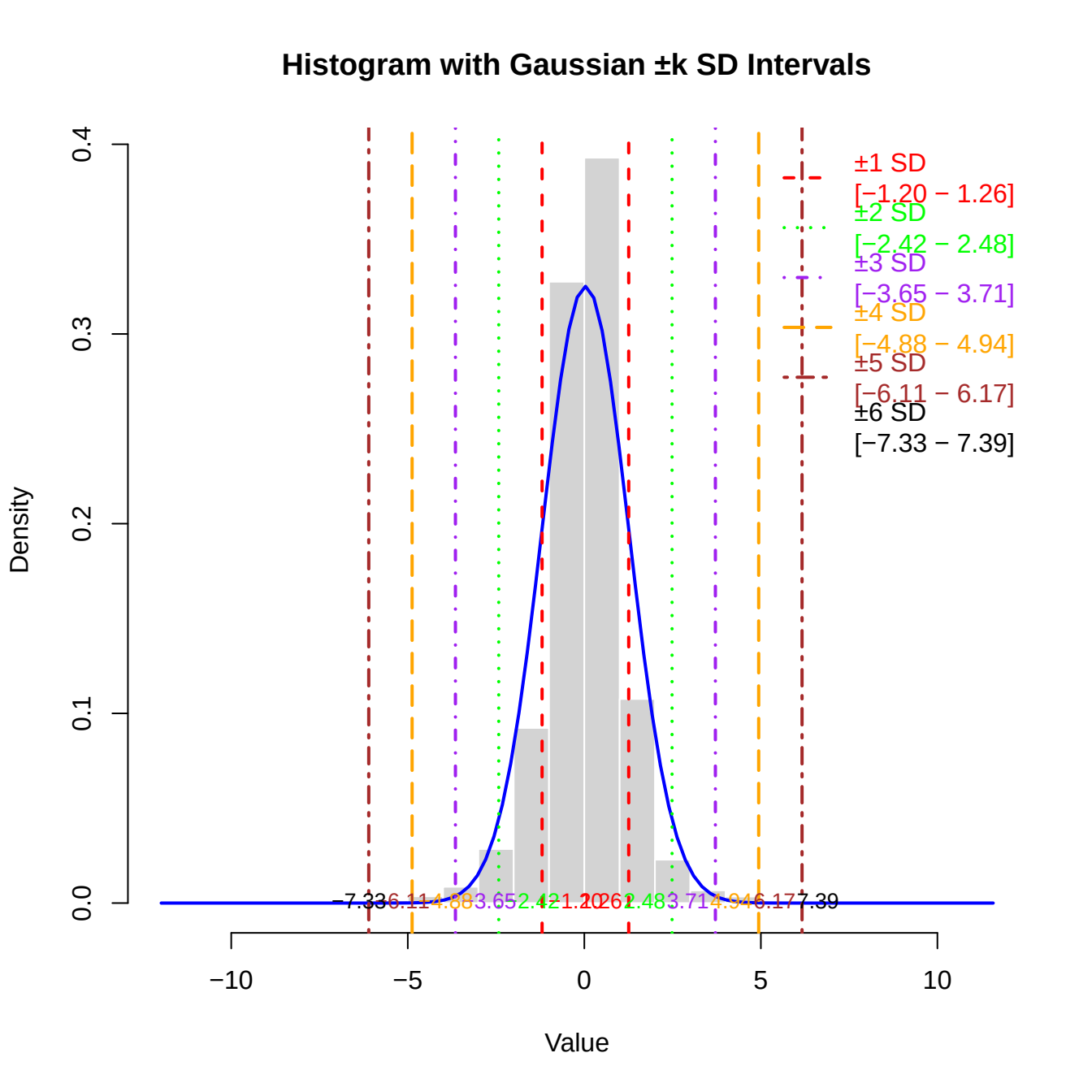
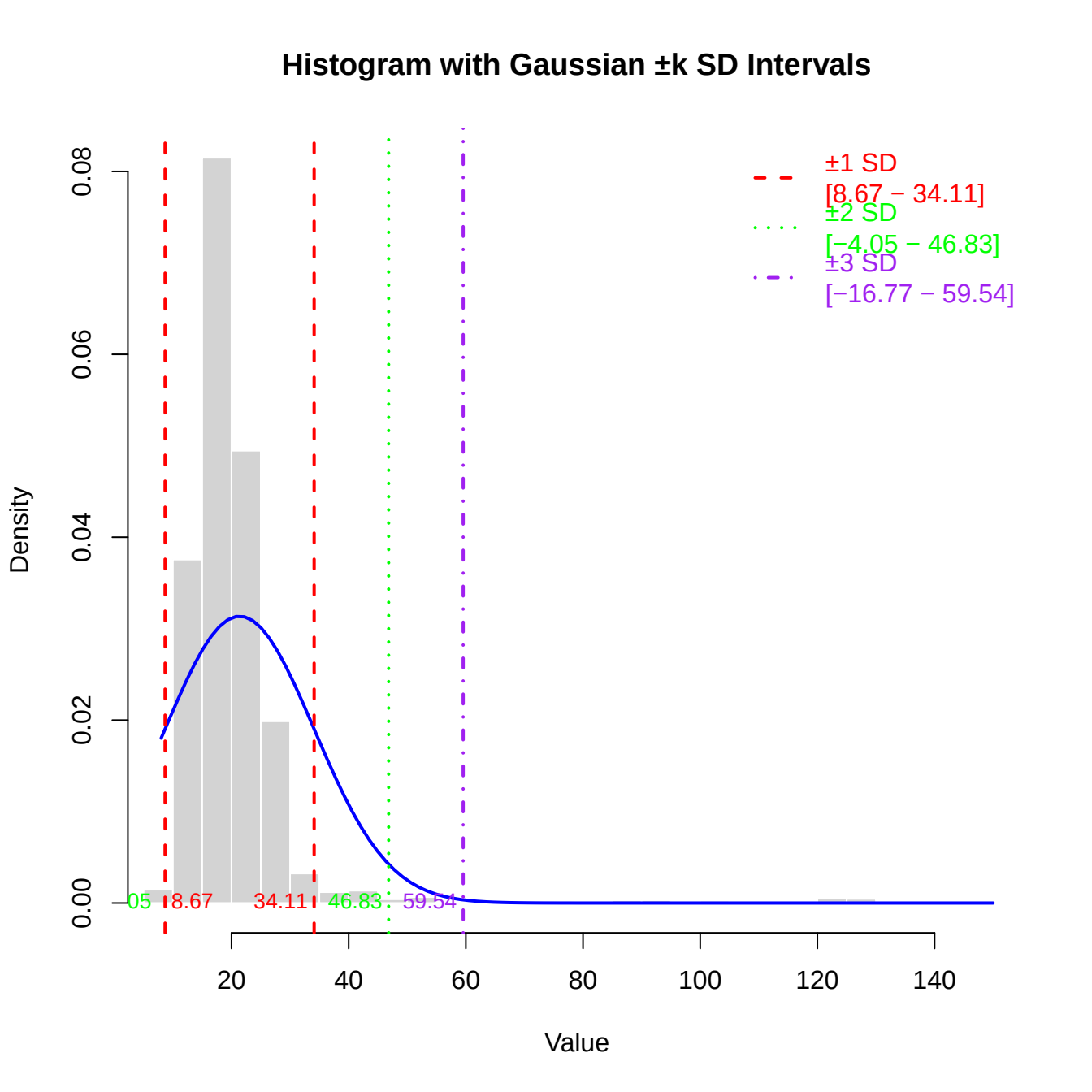
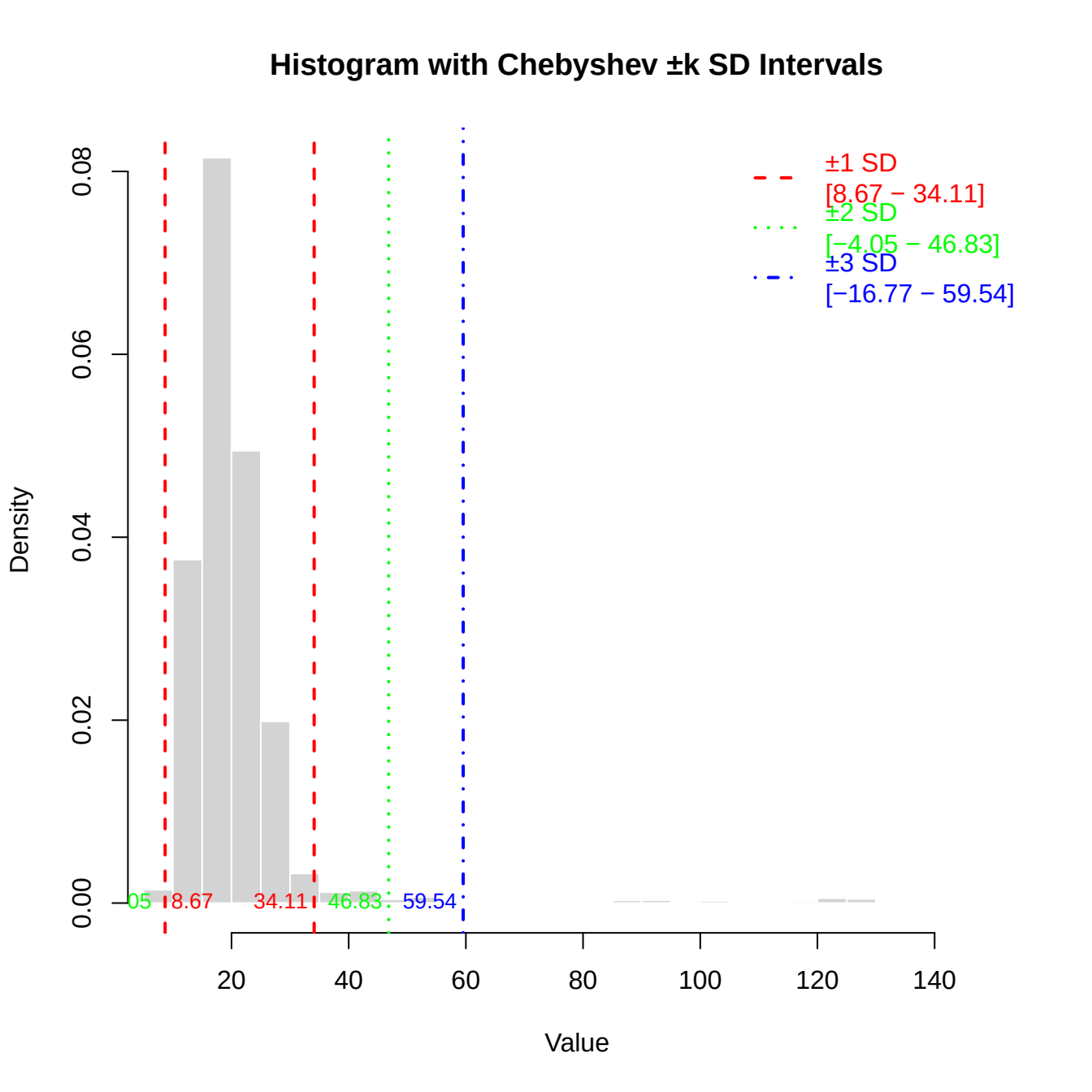

Boxplots of several Gaussian datasets with/without outliers
Mean
Median
Mode
0
20
40
60
80
100
G0
G0_oult25
G0_oult50
G0_oult100

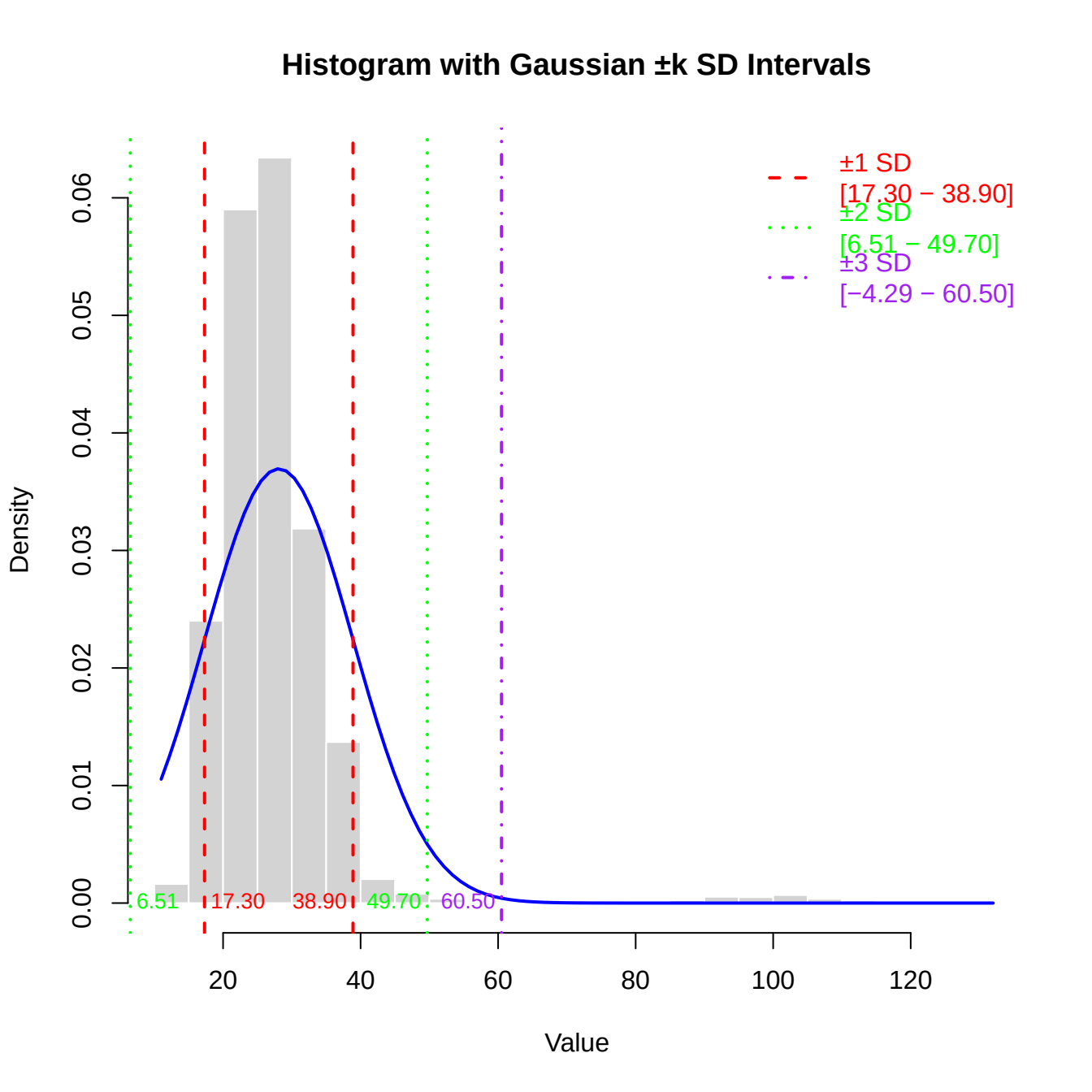

Histogram with Chebyshev ±k SD Intervals
±1 SD
[−0.99 − 1.00]
±2 SD
[−1.99 − 2.00]
±3 SD
[−2.99 − 2.99]
−2.99
−1.99
−0.99
1.00
2.00
2.99
Density
0.0
0.1
0.2
0.3
0.4
−3
−2
−1
0
1
2
3
Value

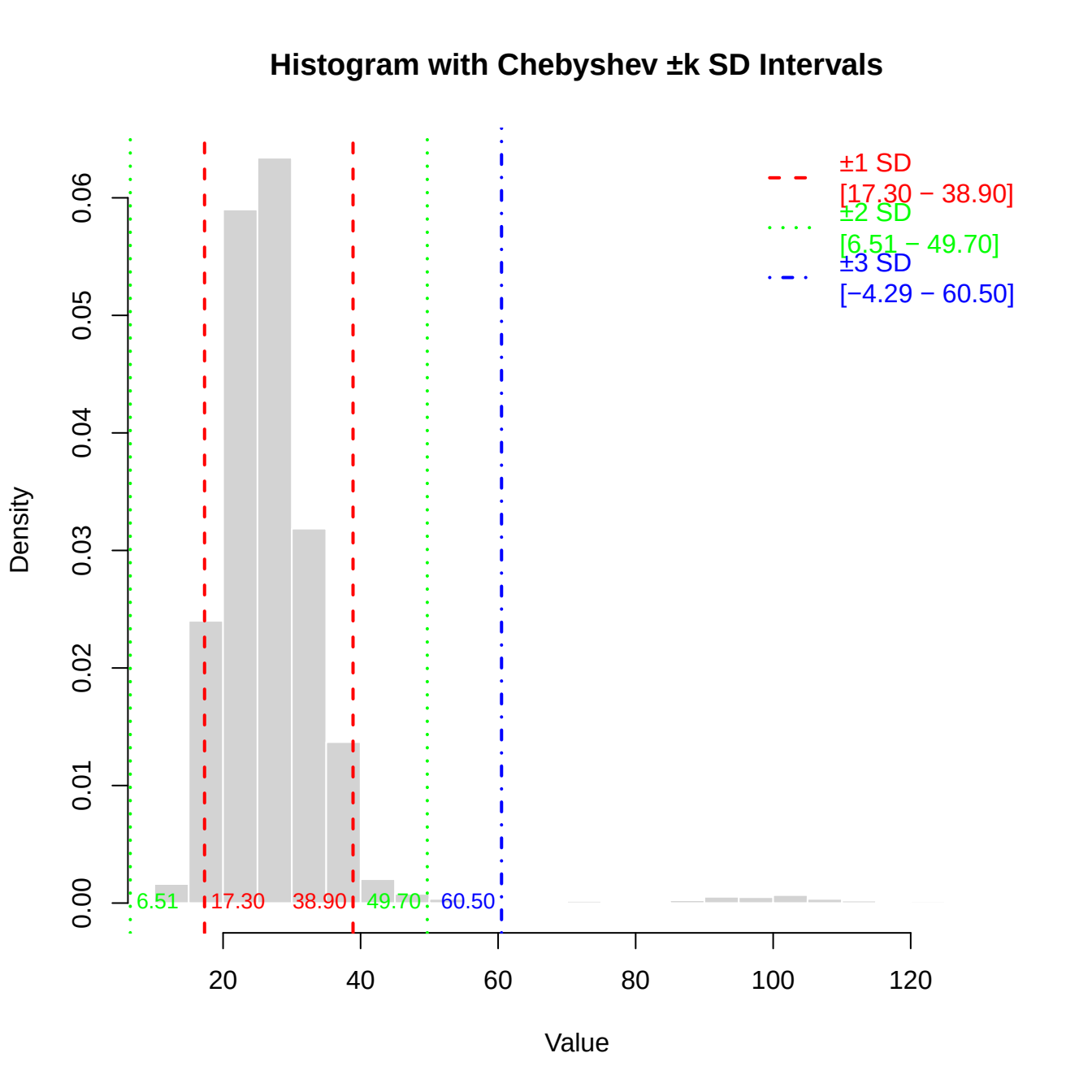

Histogram with Gaussian ±k SD Intervals
±1 SD
[−0.99 − 1.00]
±2 SD
[−1.99 − 2.00]
±3 SD
[−2.99 − 2.99]
Density
0.0
0.1
0.2
0.3
0.4
−2.99
−1.99
−0.99
1.00
2.00
2.99
−3
−2
−1
0
1
2
3
Value

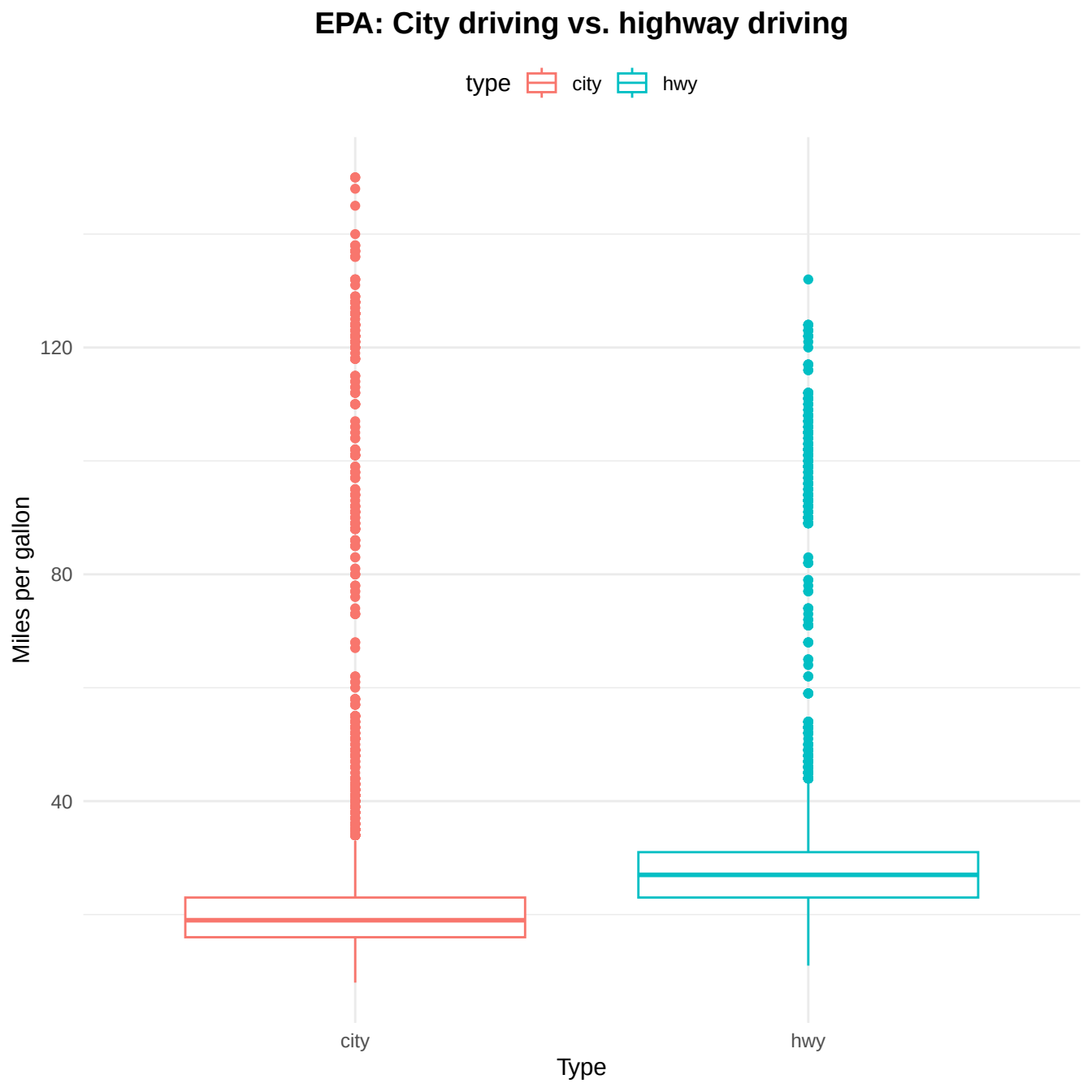

Histogram with Gaussian ±k SD Intervals
Density
0.0
0.1
0.2
0.3
0.4
−10
−5
0
5
10
Value
±1 SD
[−1.20 − 1.26]
±2 SD
[−2.42 − 2.48]
±3 SD
[−3.65 − 3.71]
±4 SD
[−4.88 − 4.94]
±5 SD
[−6.11 − 6.17]
±6 SD
[−7.33 − 7.39]


Histogram with Gaussian ±k SD Intervals
±1 SD
[8.67 − 34.11]
±2 SD
[−4.05 − 46.83]
±3 SD
[−16.77 − 59.54]
Density
0.00
0.02
0.04
0.06
0.08
05
8.67
34.11
46.83
59.54
20
40
60
80
100
120
140
Value


Histogram with Chebyshev ±k SD Intervals
±1 SD
[8.67 − 34.11]
±2 SD
[−4.05 − 46.83]
±3 SD
[−16.77 − 59.54]
Density
0.00
0.02
0.04
0.06
0.08
05
8.67
34.11
46.83
59.54
20
40
60
80
100
120
140
Value


Histogram with Gaussian ±k SD Intervals
±1 SD
[17.30 − 38.90]
±2 SD
[6.51 − 49.70]
±3 SD
[−4.29 − 60.50]
Density
0.00
0.01
0.02
0.03
0.04
0.05
0.06
6.51
17.30
38.90
49.70
60.50
20
40
60
80
100
120
Value


Histogram with Chebyshev ±k SD Intervals
±1 SD
[17.30 − 38.90]
±2 SD
[6.51 − 49.70]
±3 SD
[−4.29 − 60.50]
Density
0.00
0.01
0.02
0.03
0.04
0.05
0.06
6.51
17.30
38.90
49.70
60.50
20
40
60
80
100
120
Value


EPA: City driving vs. highway driving
type
city
hwy
120
80
40
Miles per gallon
city
hwy
Type