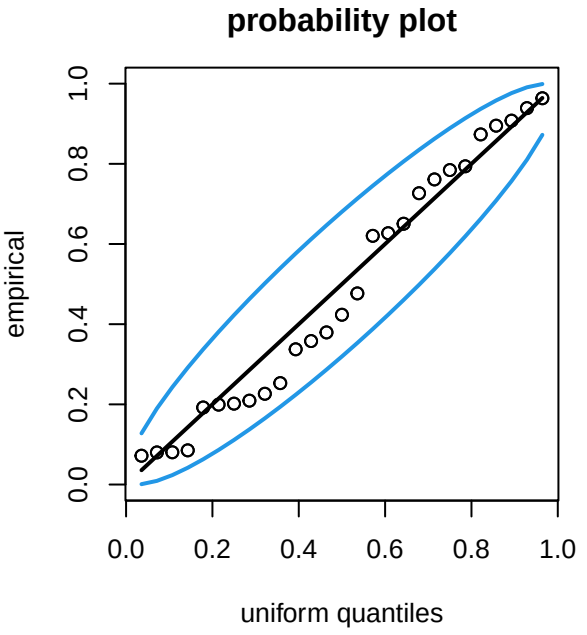
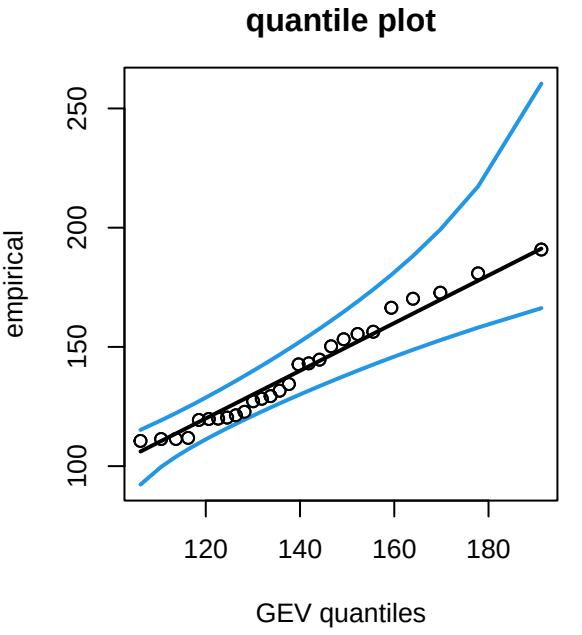
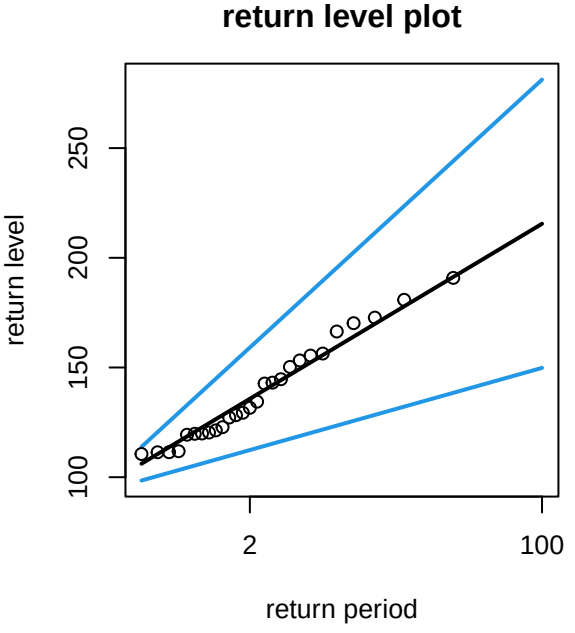
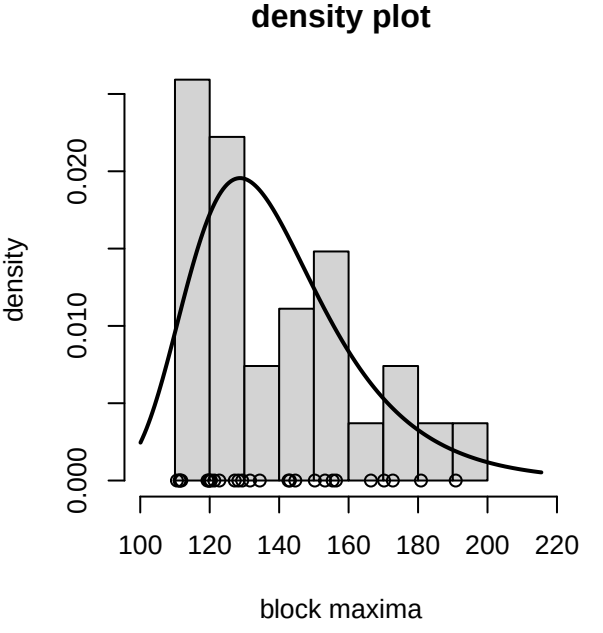
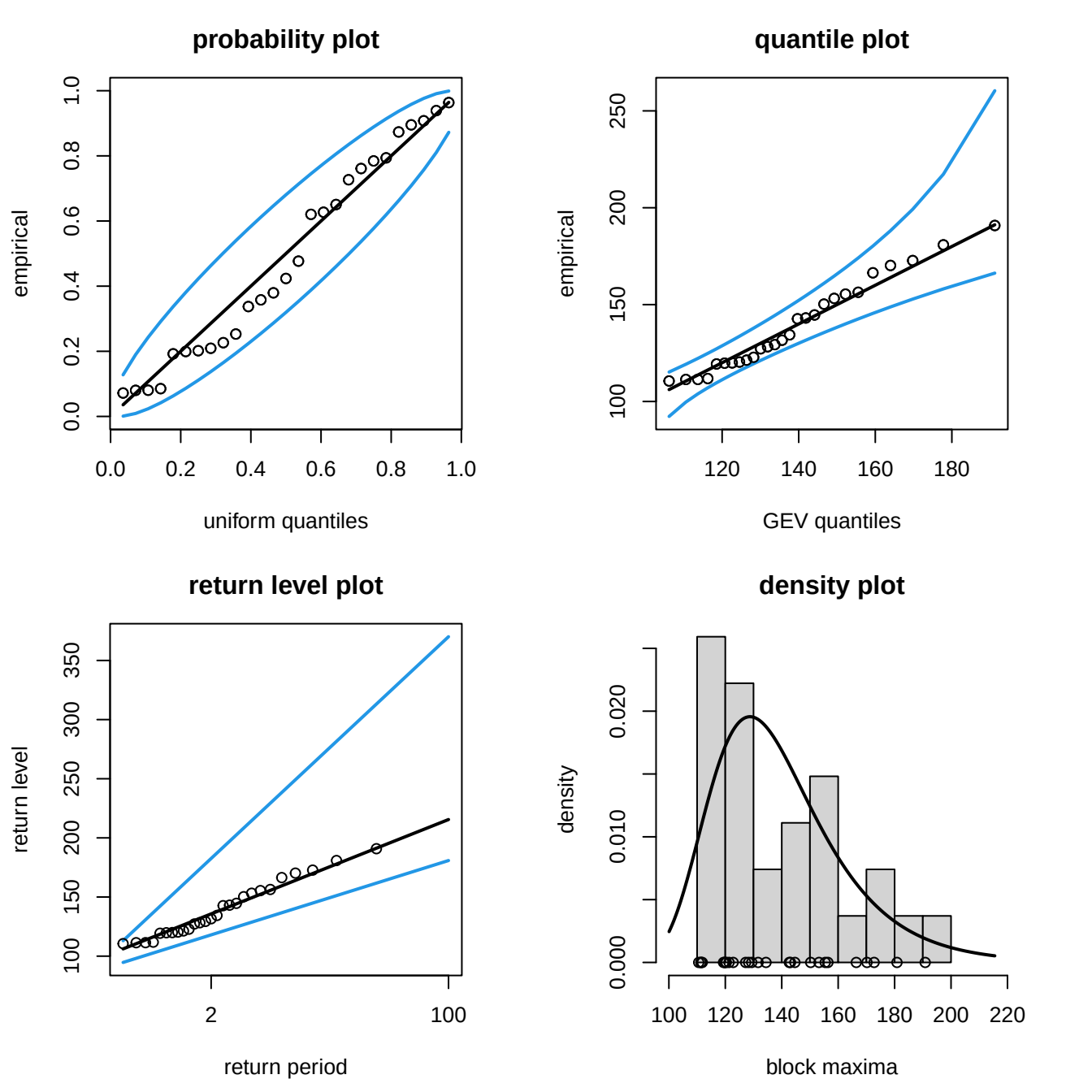
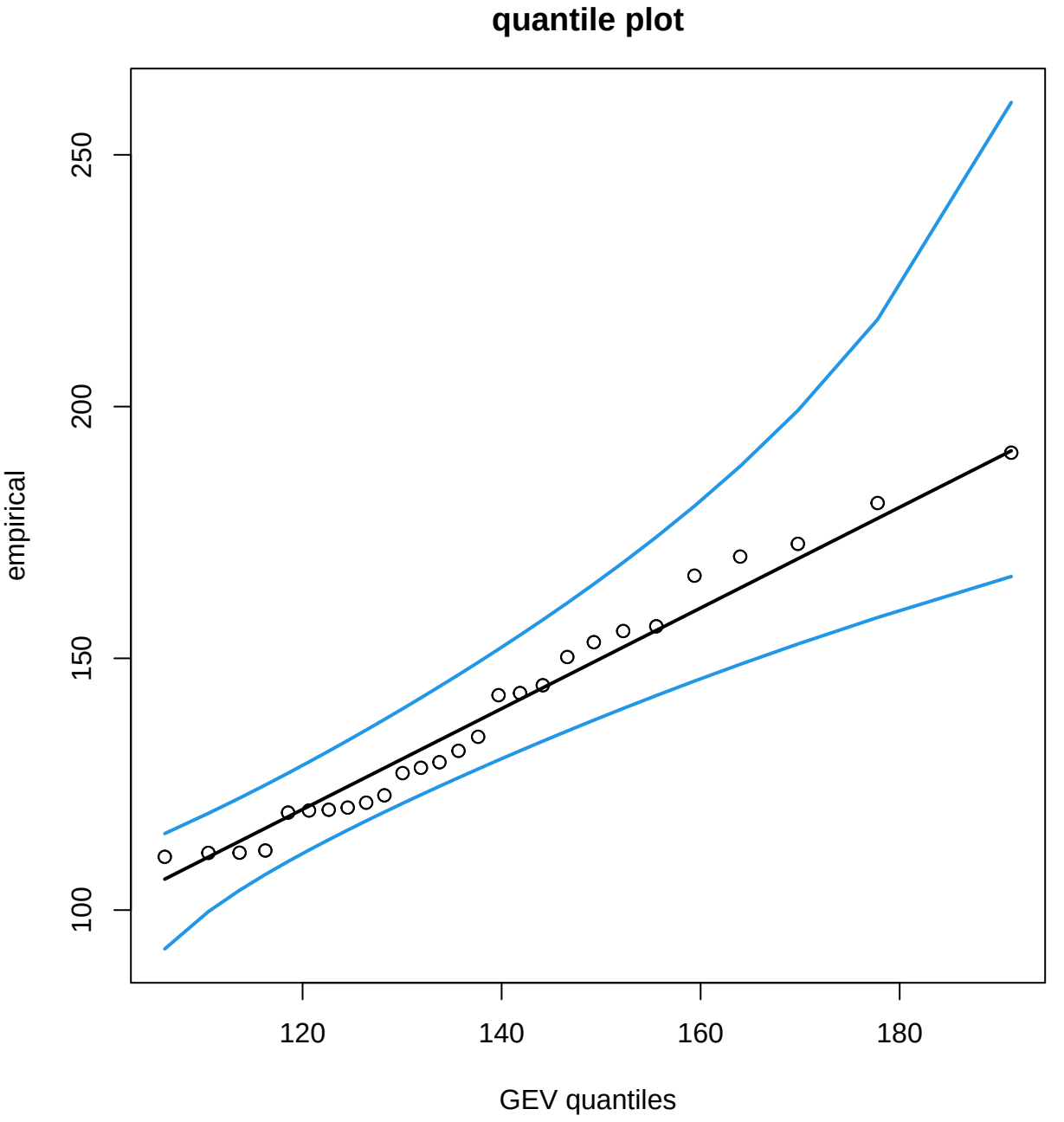

probability plot
empirical
0.0
0.2
0.4
0.6
0.8
1.0
0.0
0.2
0.4
0.6
0.8
1.0
uniform quantiles

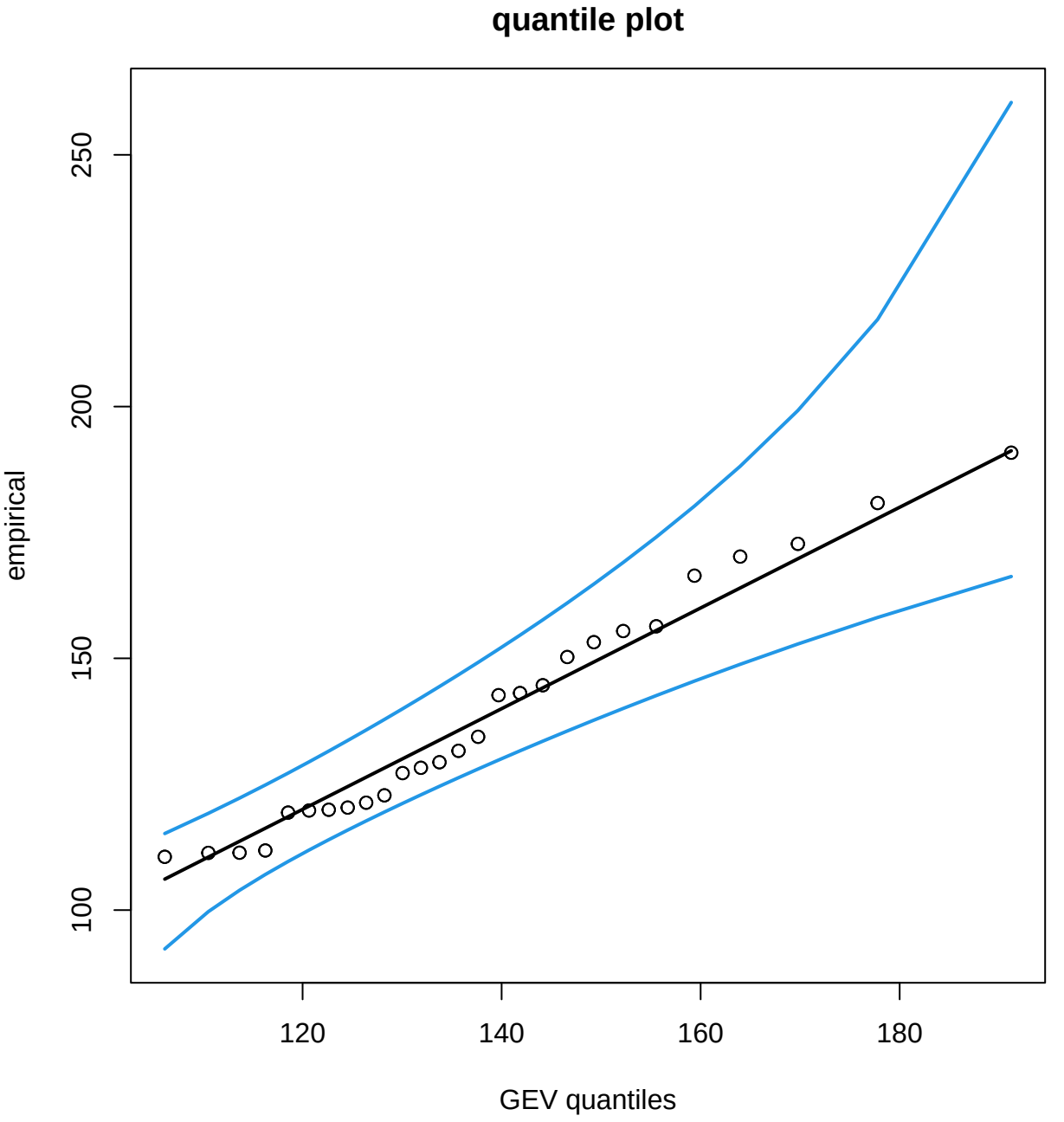

quantile plot
empirical
100
150
200
250
120
140
160
180
GEV quantiles

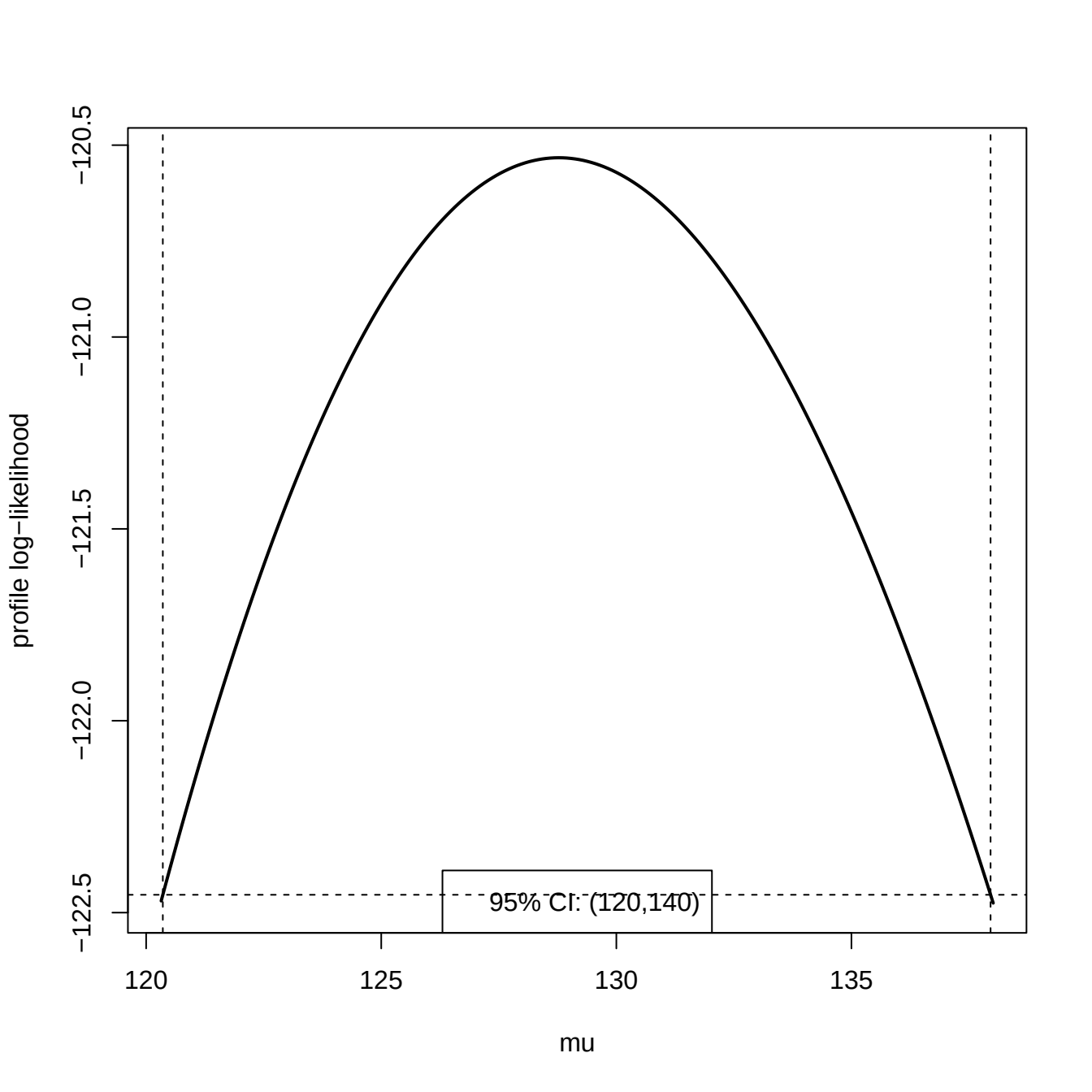

return level plot
return level
100
150
200
250
2
100
return period

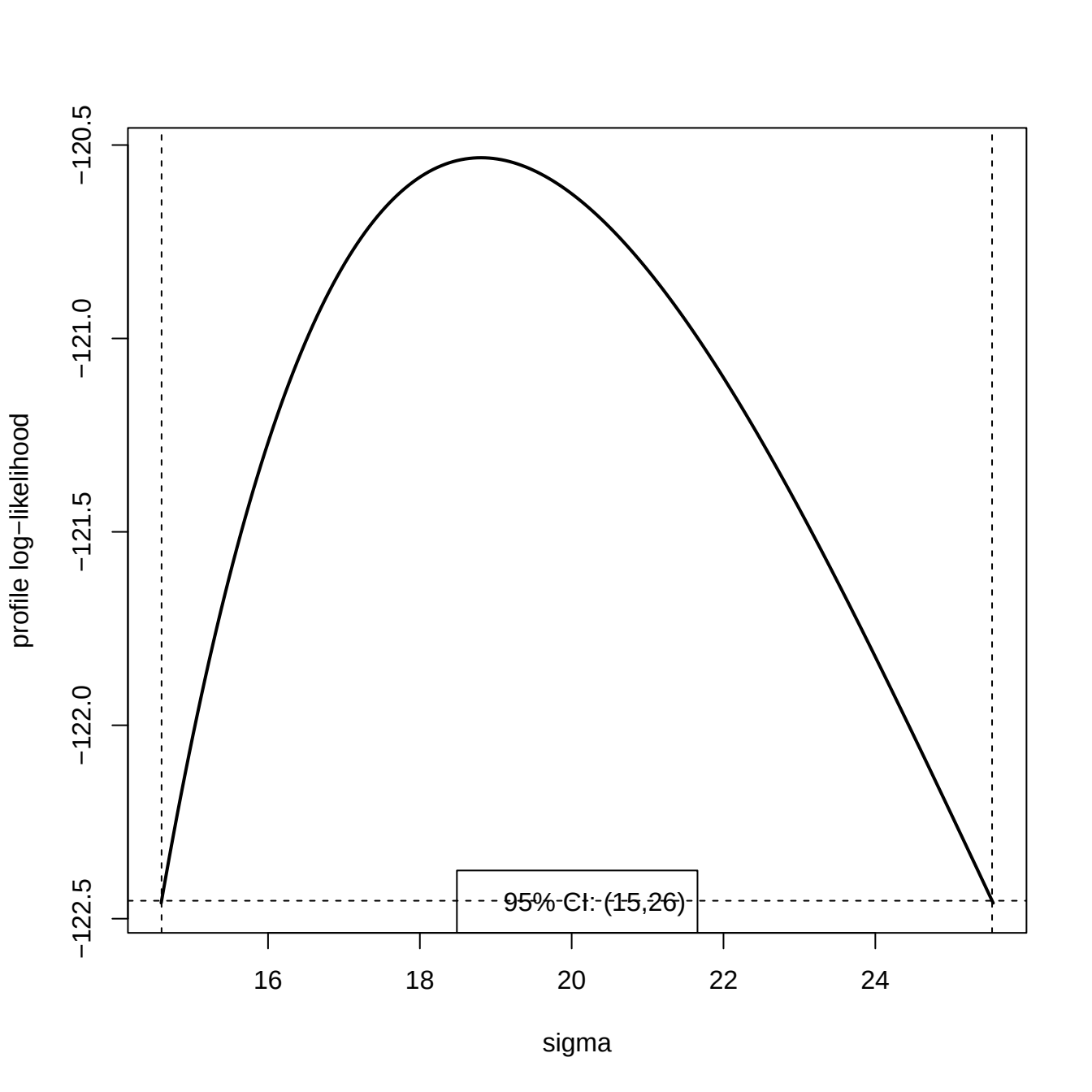

density plot
density
0.000
0.010
0.020
100
120
140
160
180
200
220
block maxima

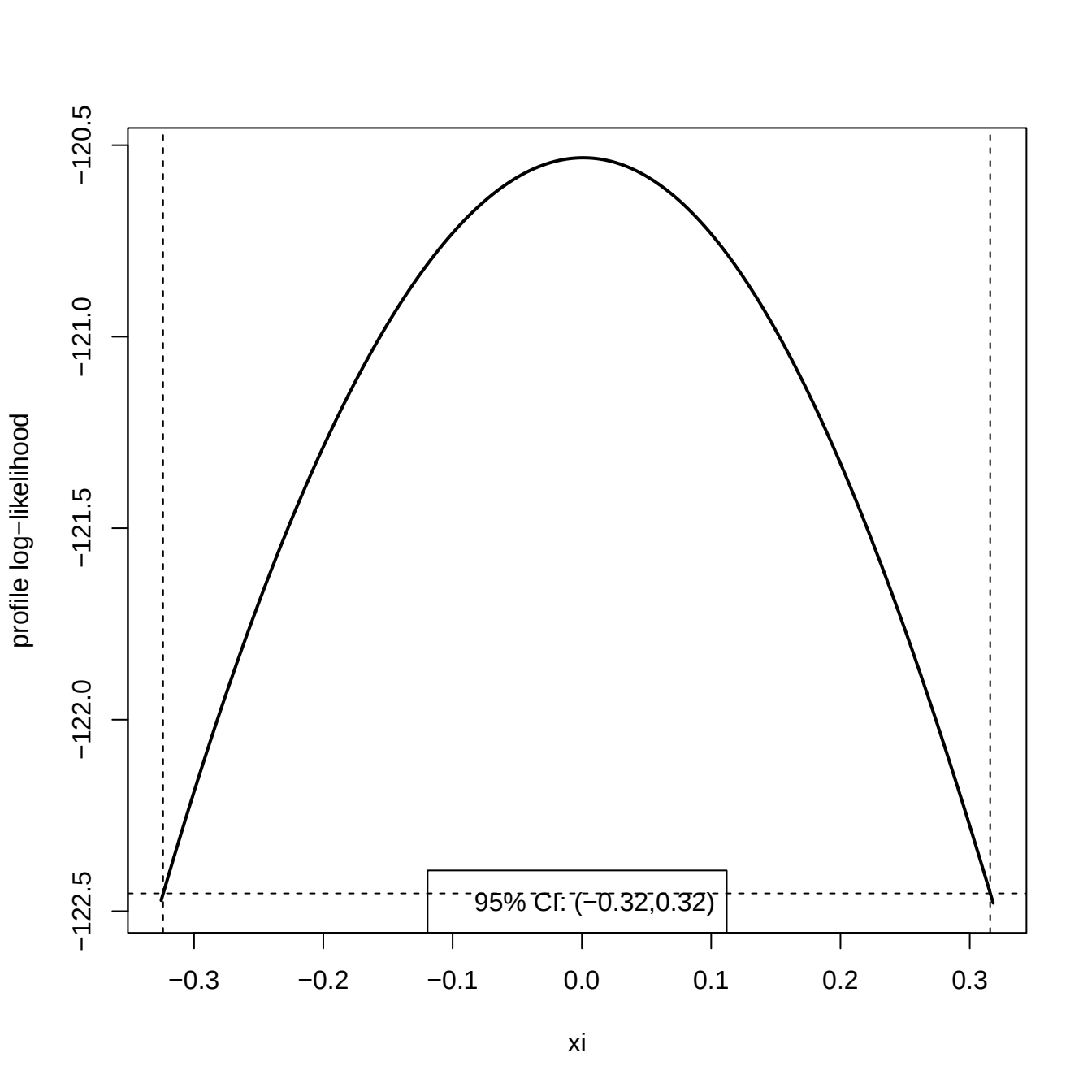

probability plot
empirical
uniform quantiles
0.0
0.2
0.4
0.6
0.8
1.0
quantile plot
empirical
GEV quantiles
100
150
200
250
120
140
160
180
return level plot
return level
return period
100
150
200
250
300
350
2
100
density plot
density
block maxima
0.000
0.010
0.020
100
120
140
160
180
200
220

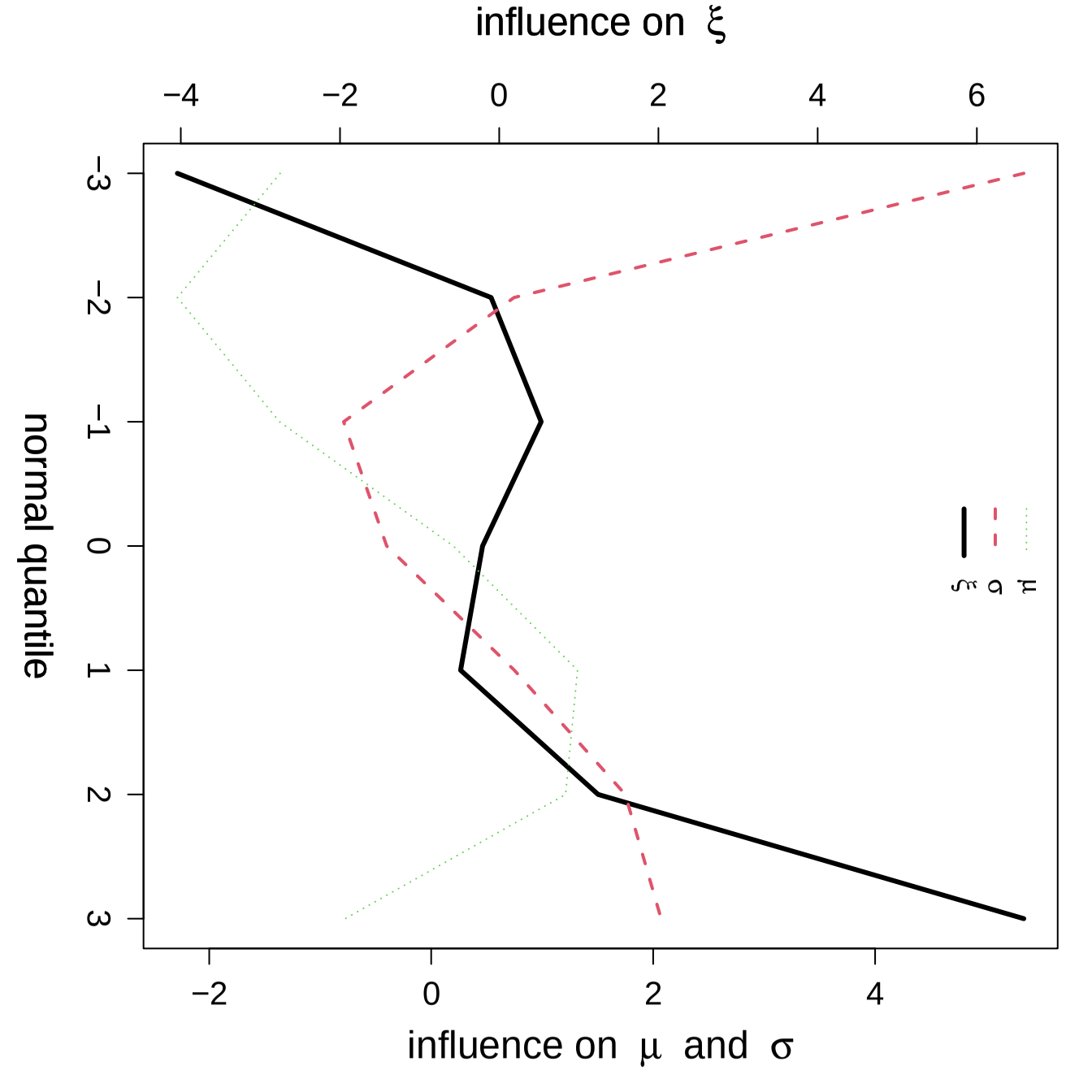

quantile plot
empirical
GEV quantiles
100
150
200
250
120
140
160
180

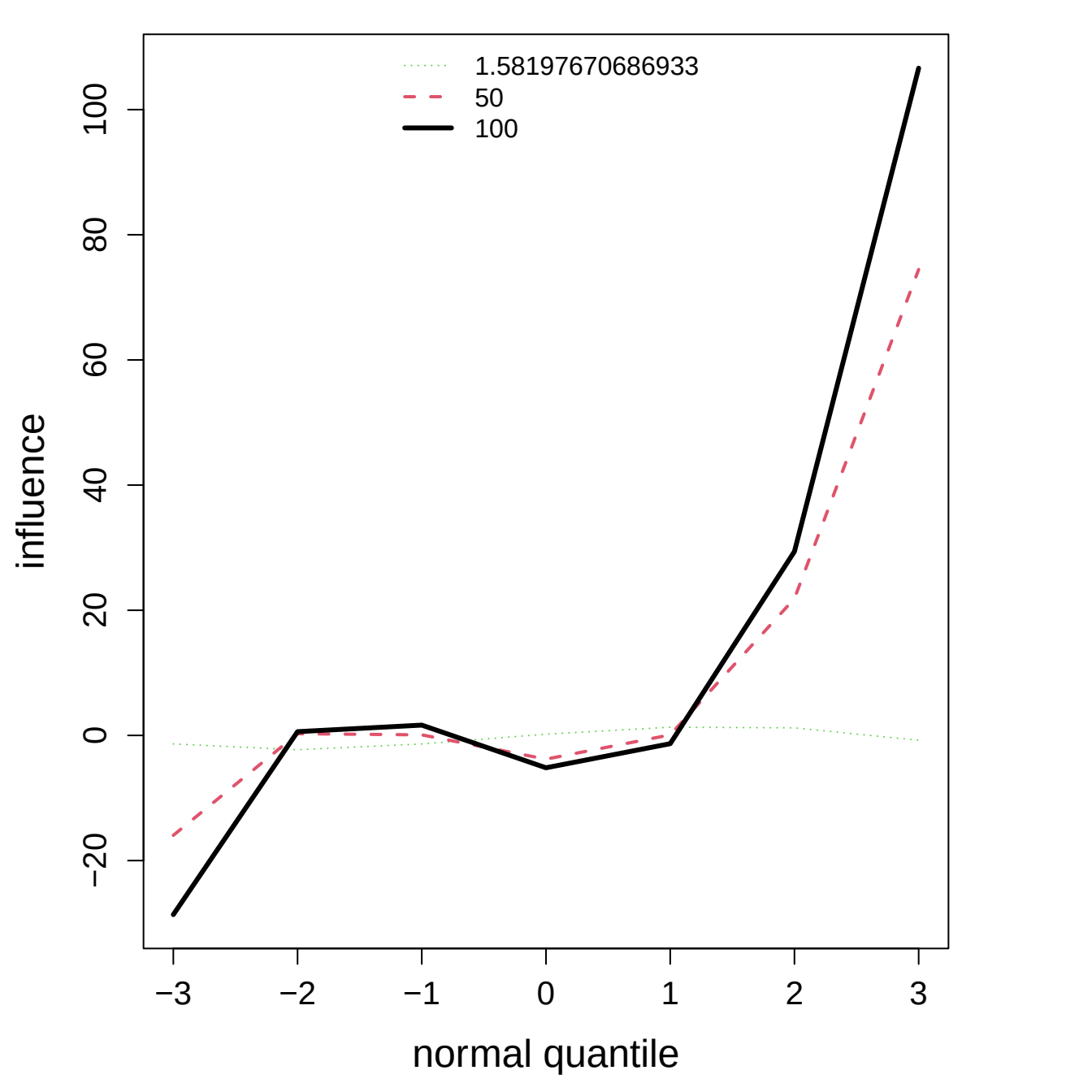

quantile plot
empirical
GEV quantiles
100
150
200
250
120
140
160
180

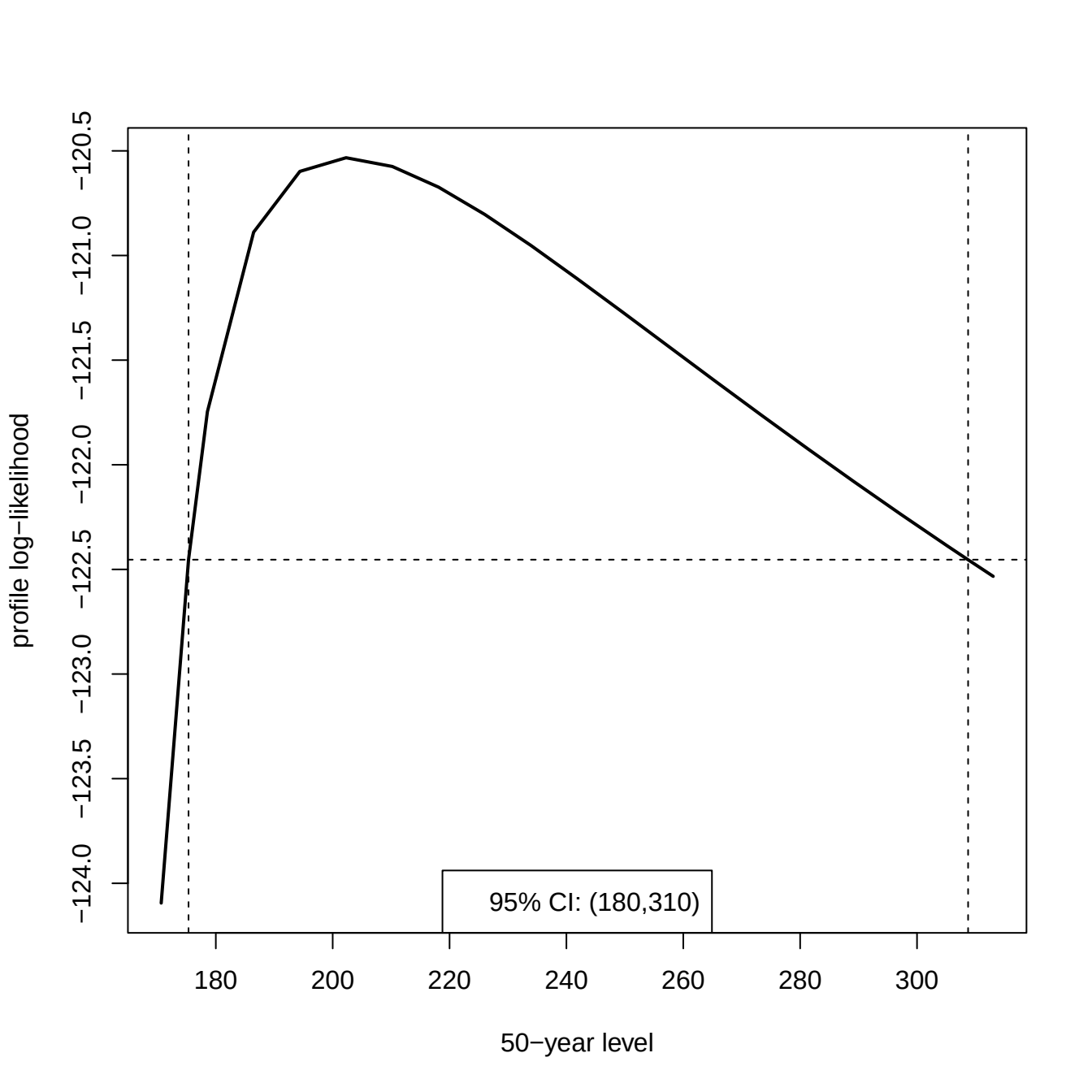

−120.5
−121.0
−121.5
−122.0
−122.5
profile log−likelihood
95% CI: (120,140)
120
125
130
135
mu

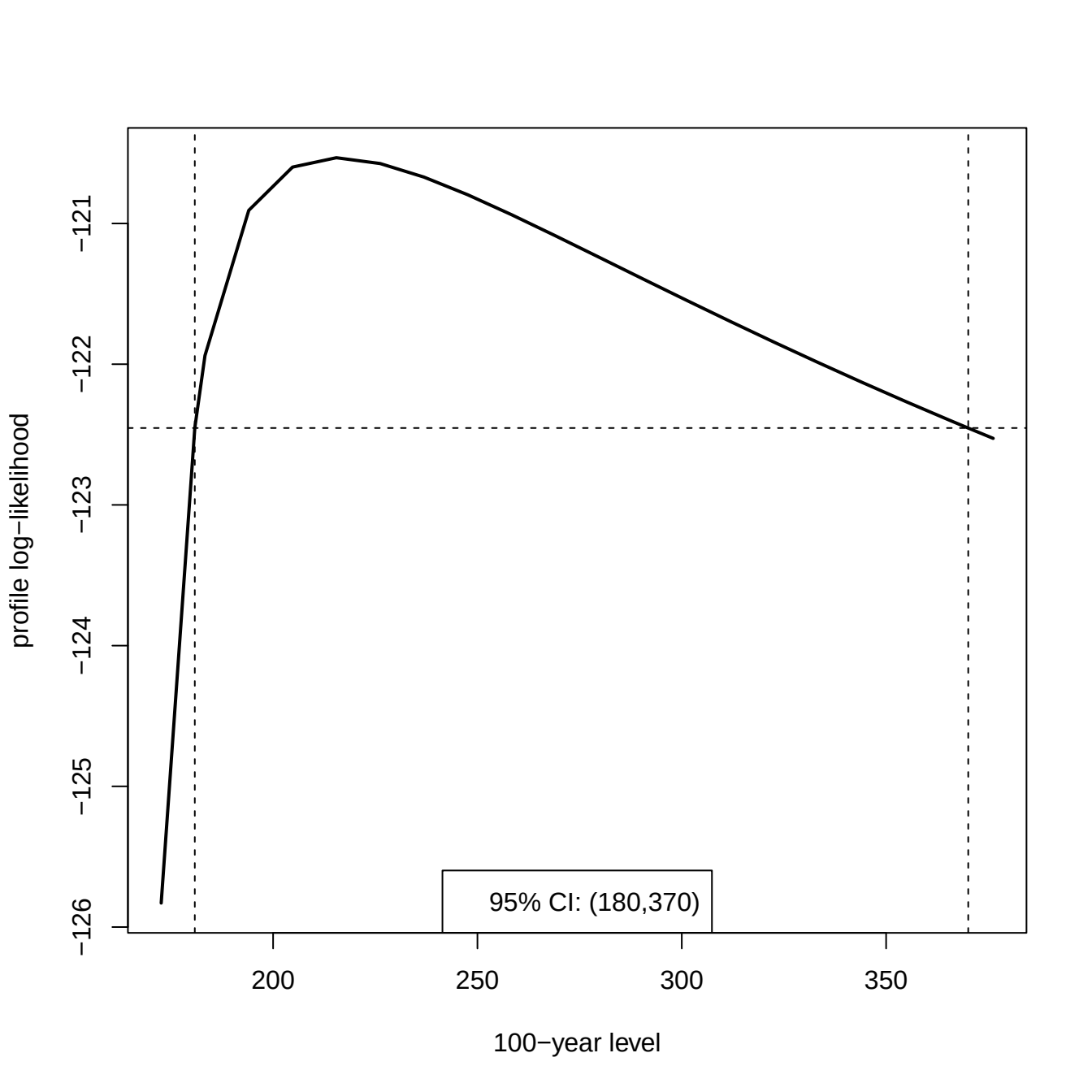

profile log−likelihood
−120.5
−121.0
−121.5
−122.0
−122.5
95% CI: (15,26)
16
18
20
22
24
sigma


−120.5
−121.0
−121.5
−122.0
−122.5
profile log−likelihood
95% CI: (−0.32,0.32)
−0.3
−0.2
−0.1
0.0
0.1
0.2
0.3
xi


influence on ξ
−4
−2
0
2
4
6
normal quantile
−3
−2
−1
0
1
2
3
ξ
σ
μ
−2
0
2
4
influence on μ and σ


1.58197670686933
50
100
influence
−20
0
20
40
60
80
100
−3
−2
−1
0
1
2
3
normal quantile


profile log−likelihood
−120.5
−121.0
−121.5
−122.0
−122.5
−123.0
−123.5
−124.0
95% CI: (180,310)
180
200
220
240
260
280
300
50−year level


profile log−likelihood
−121
−122
−123
−124
−125
−126
95% CI: (180,370)
200
250
300
350
100−year level