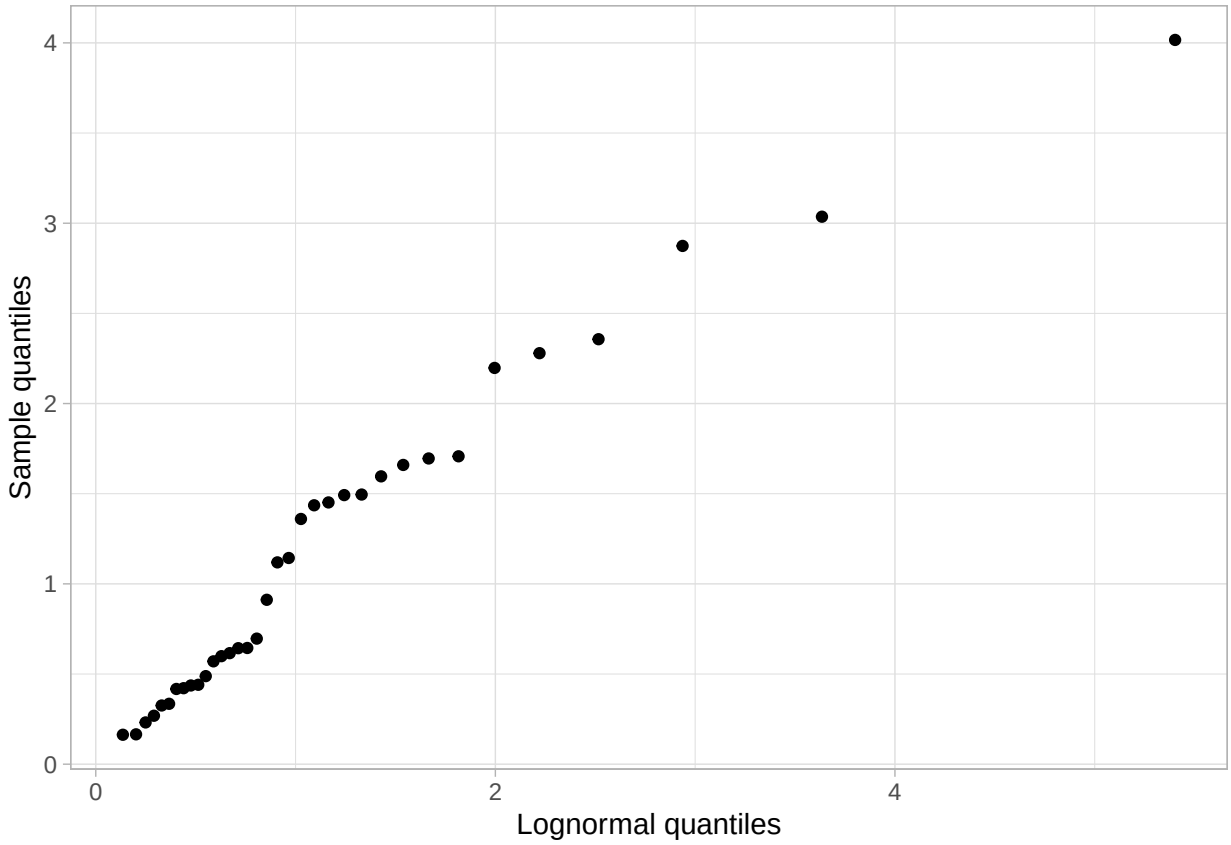
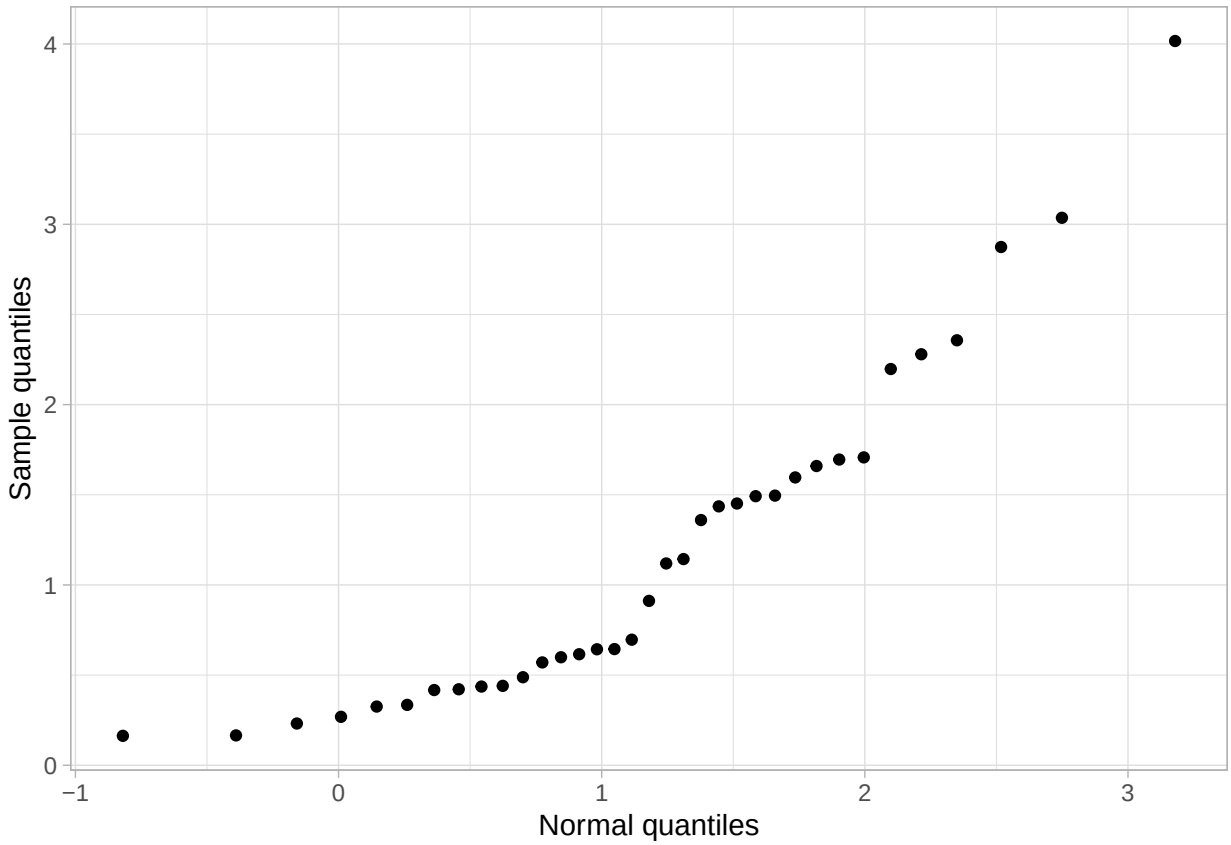
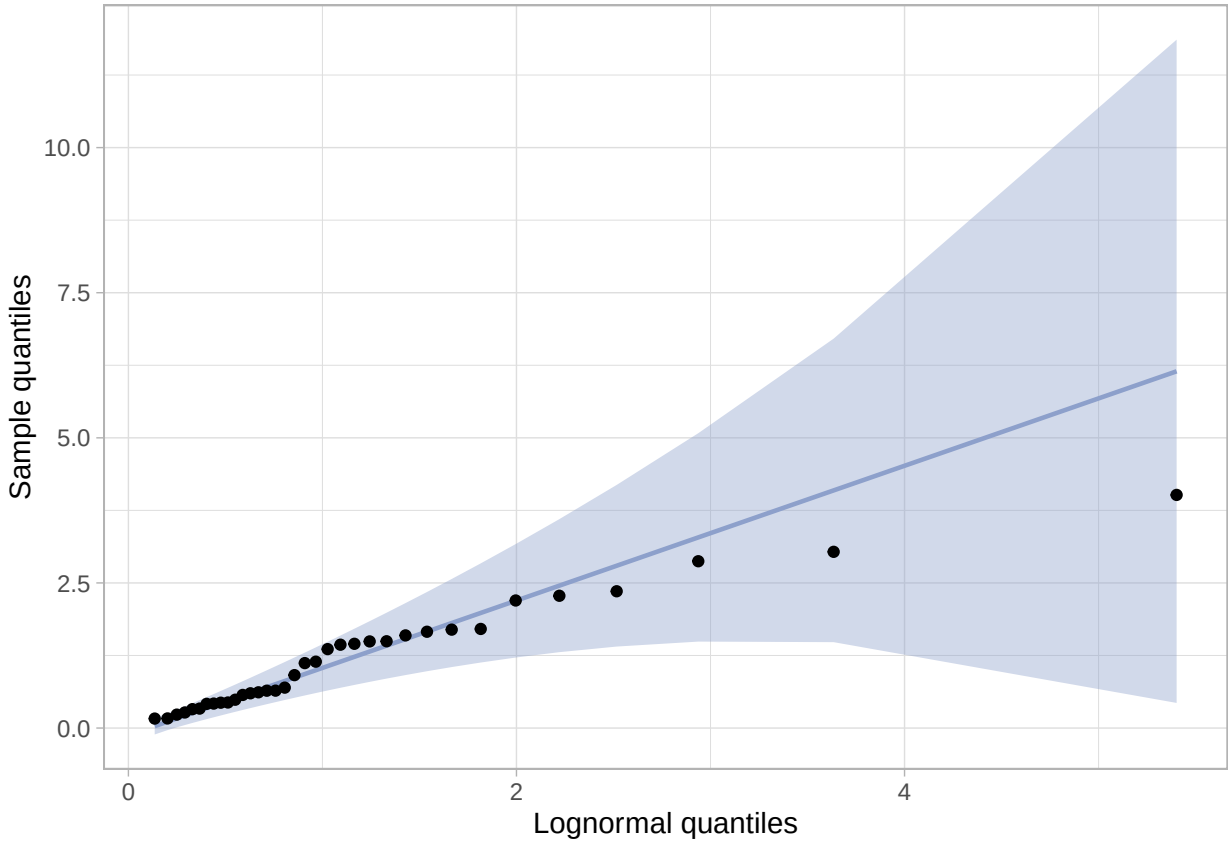
ggplot2 Compatible Quantile-QuantilePlots in R - reprodukcja

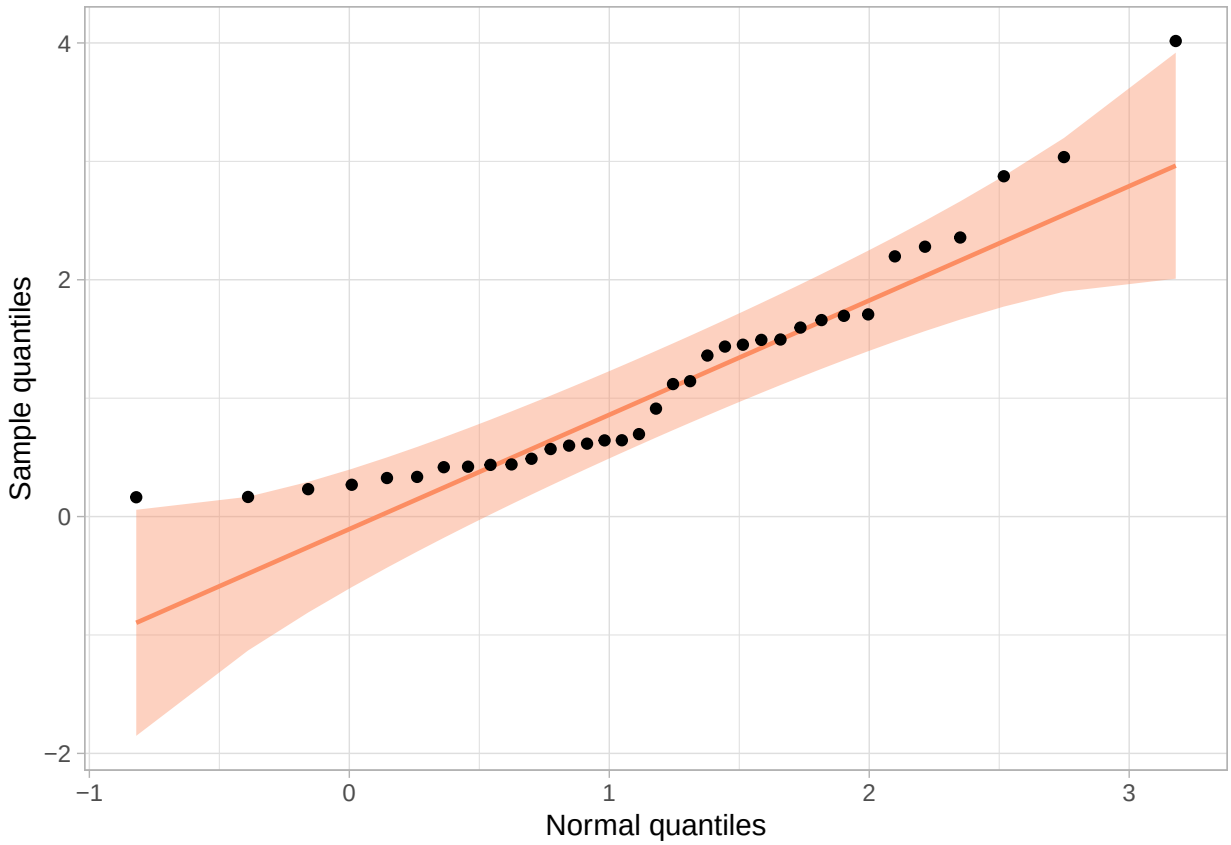
Rożek i Paczóski

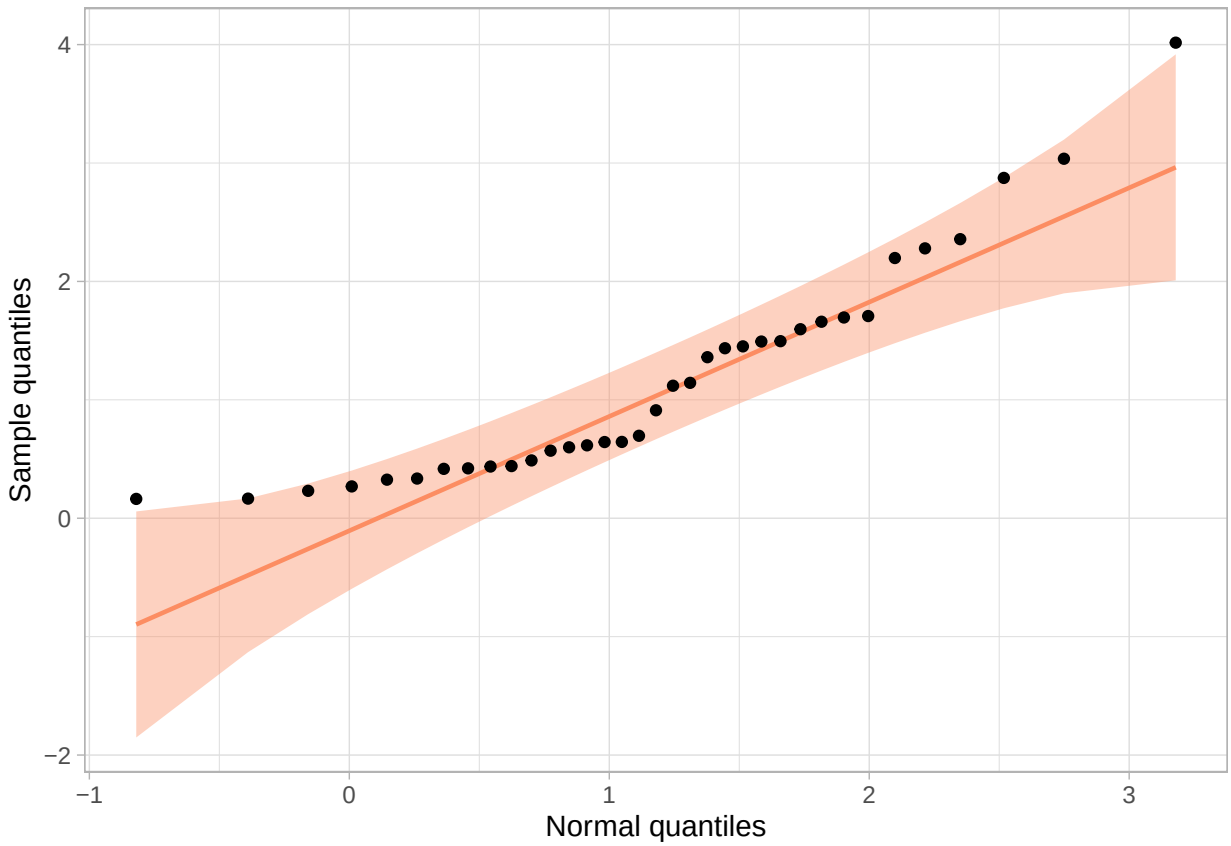
3/3/2020

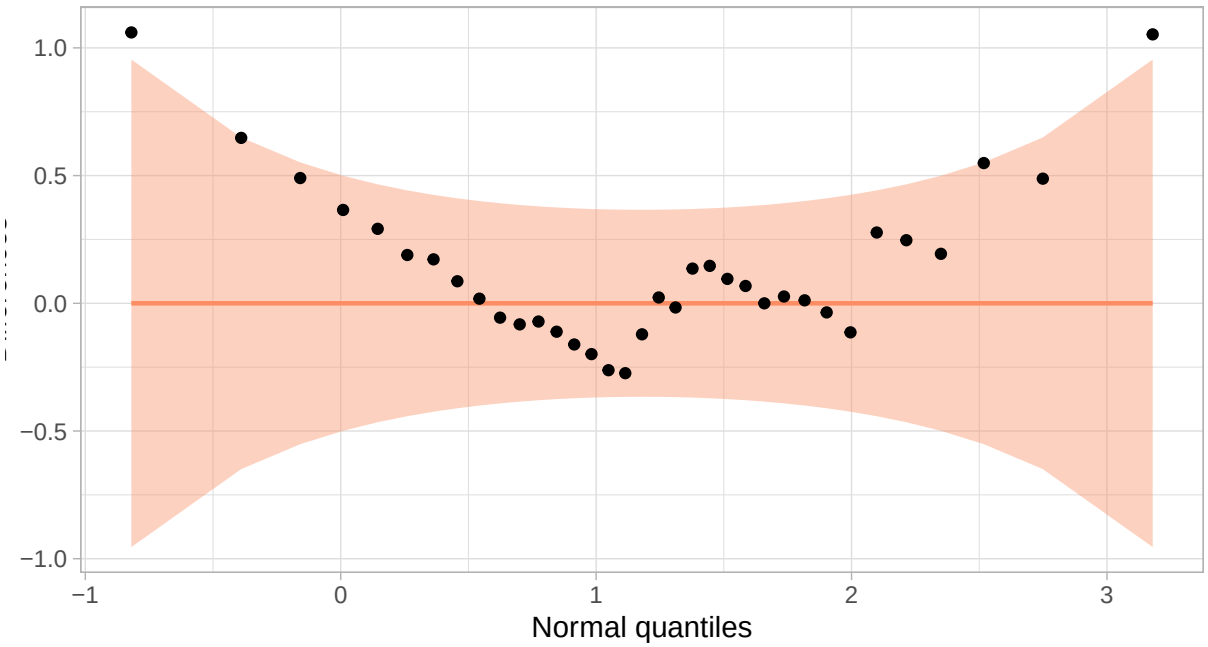


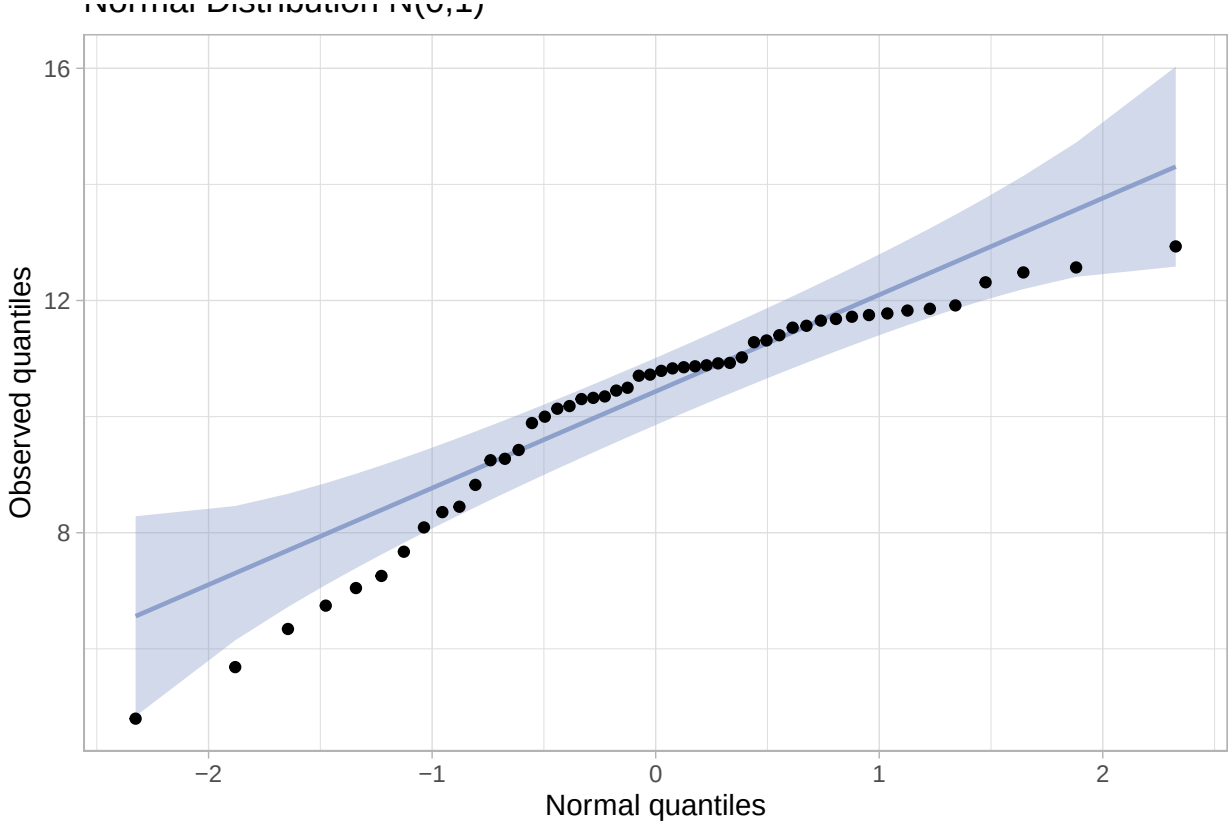

Sample quantiles
Normal quantiles
4
3
2
1
0
−1
0
1
2
3

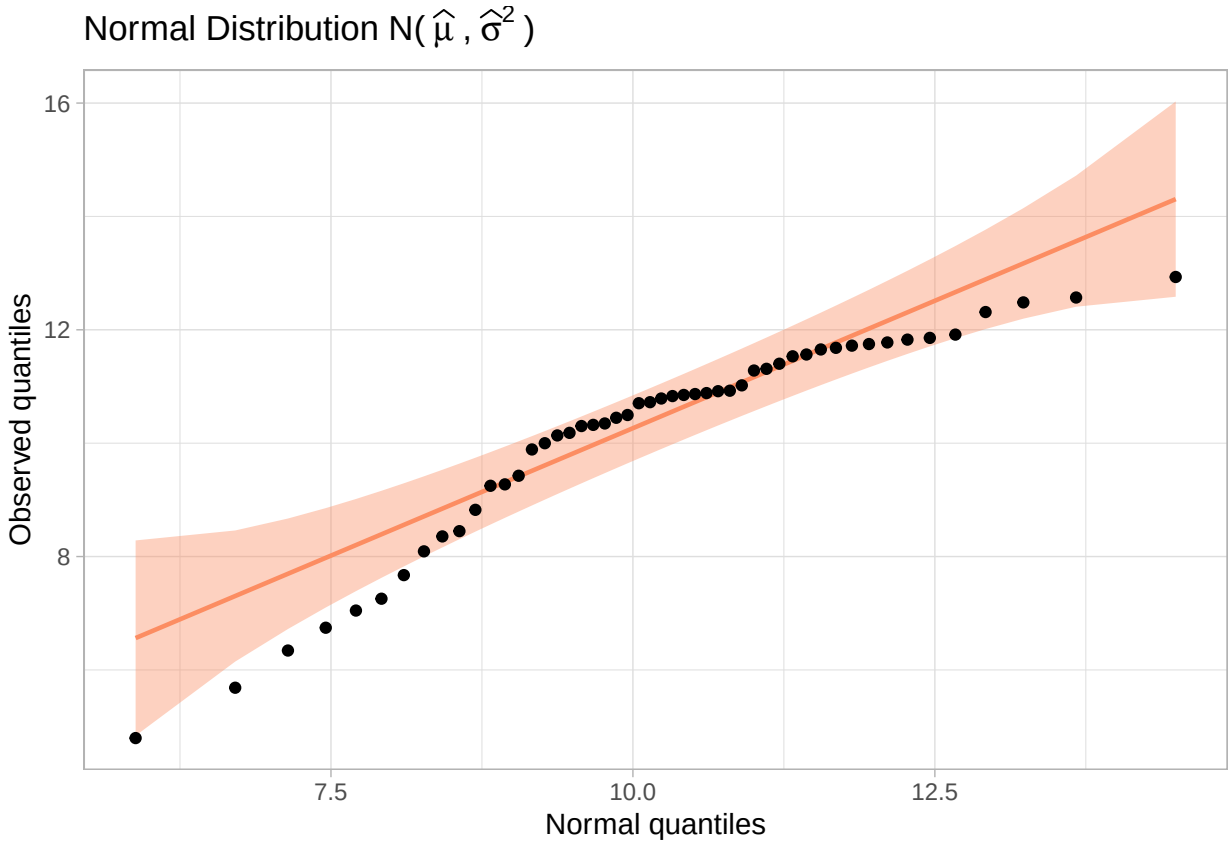

Sample quantiles
Lognormal quantiles
10.0
7.5
5.0
2.5
0.0
0
2
4

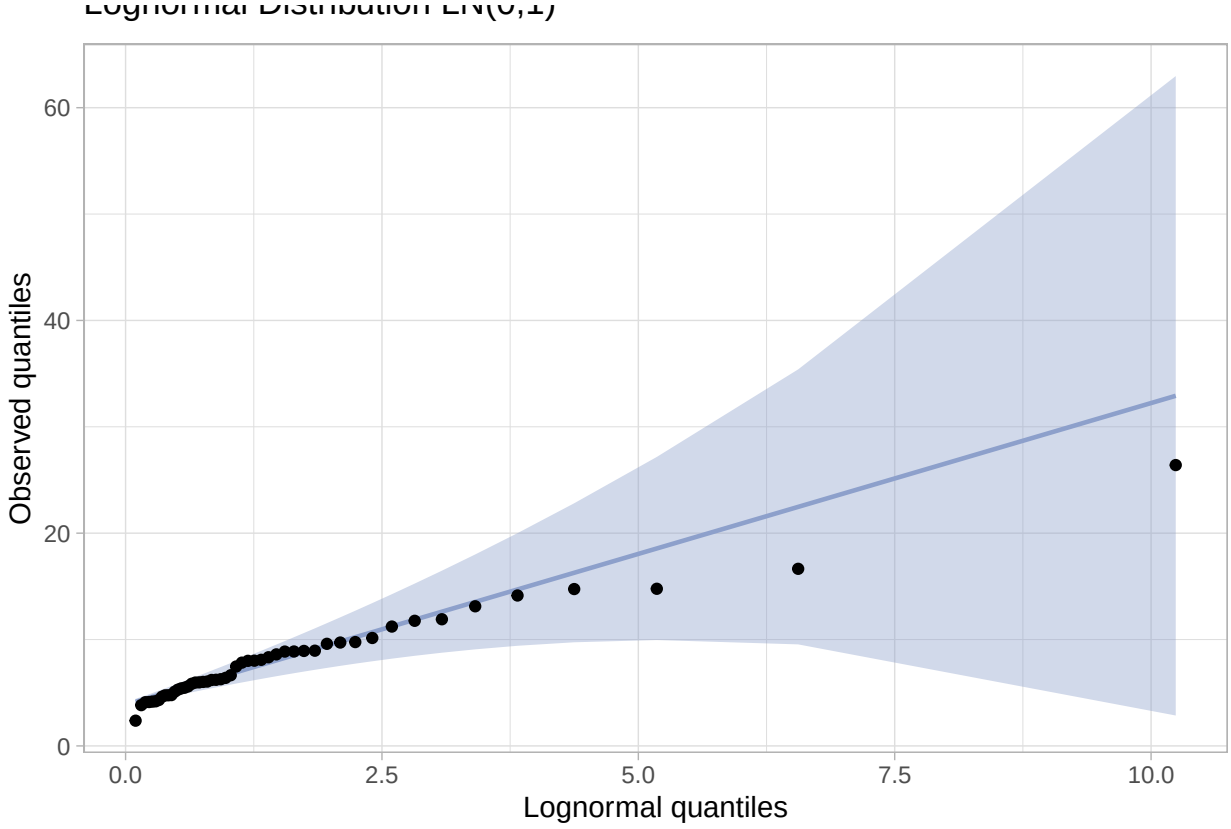

Sample quantiles
4
2
0
−2
−1
0
1
2
3
Normal quantiles

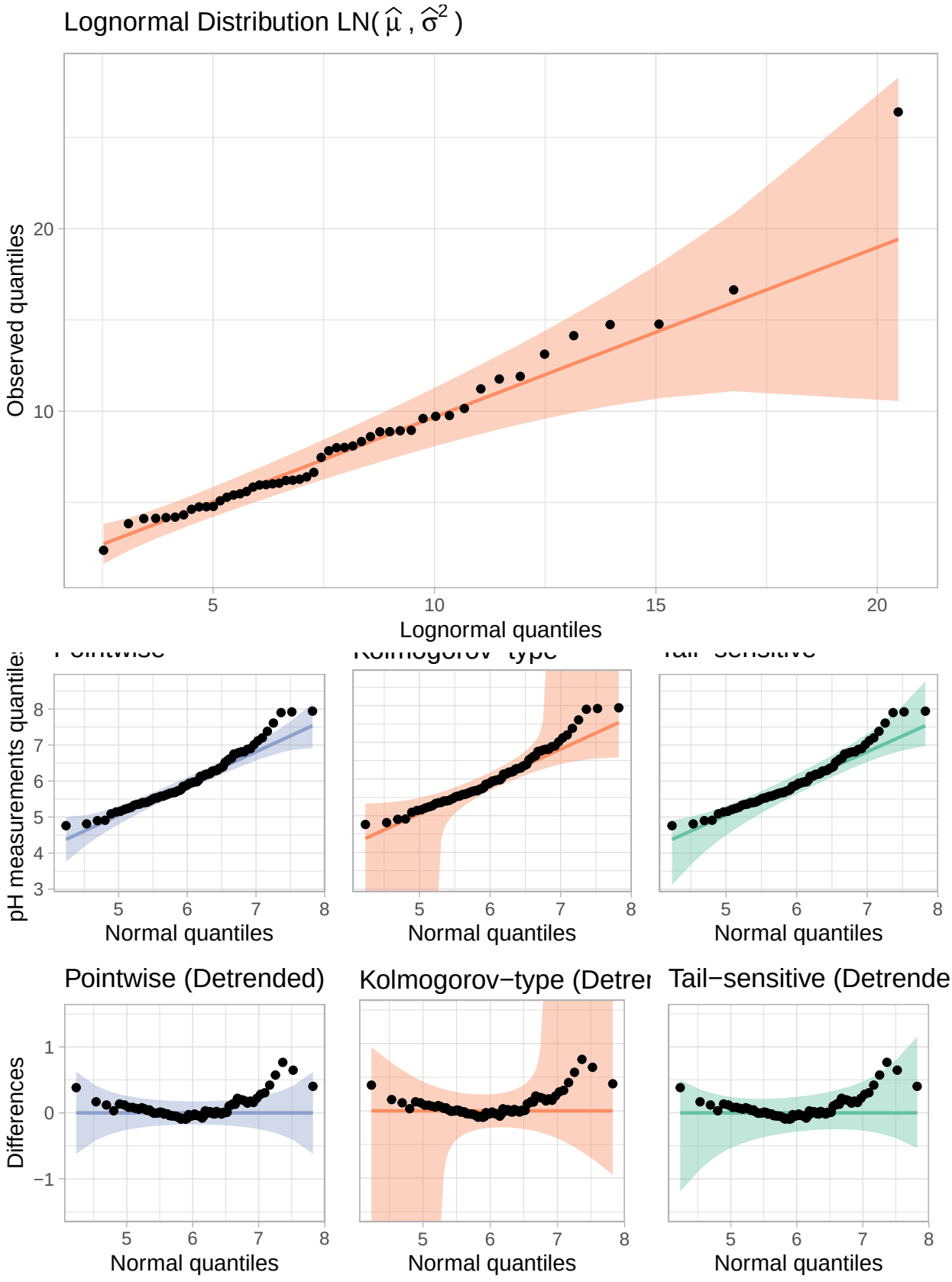

Sample quantiles
4
2
0
−2
−1
0
1
2
3
Normal quantiles

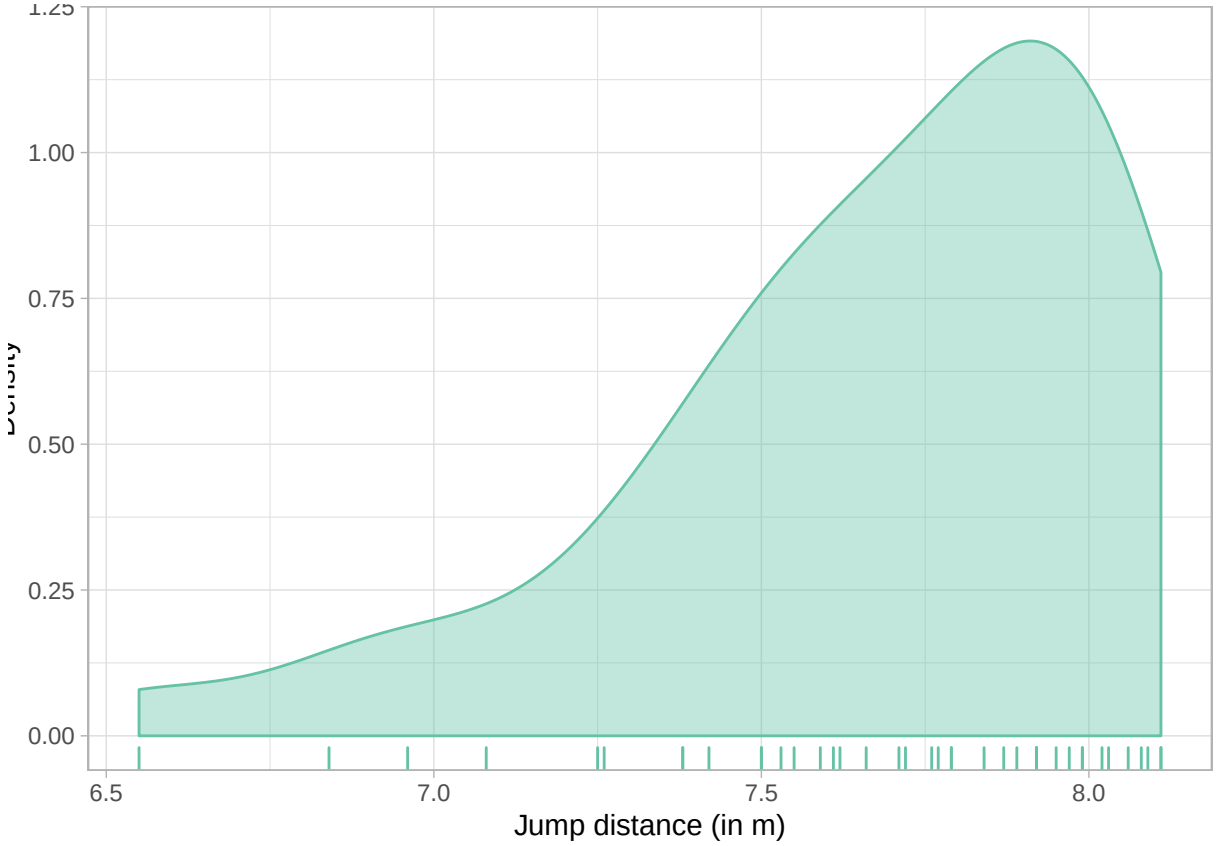

1.0
0.5
0.0
−0.5
−1.0
−1
0
1
2
3
Normal quantiles

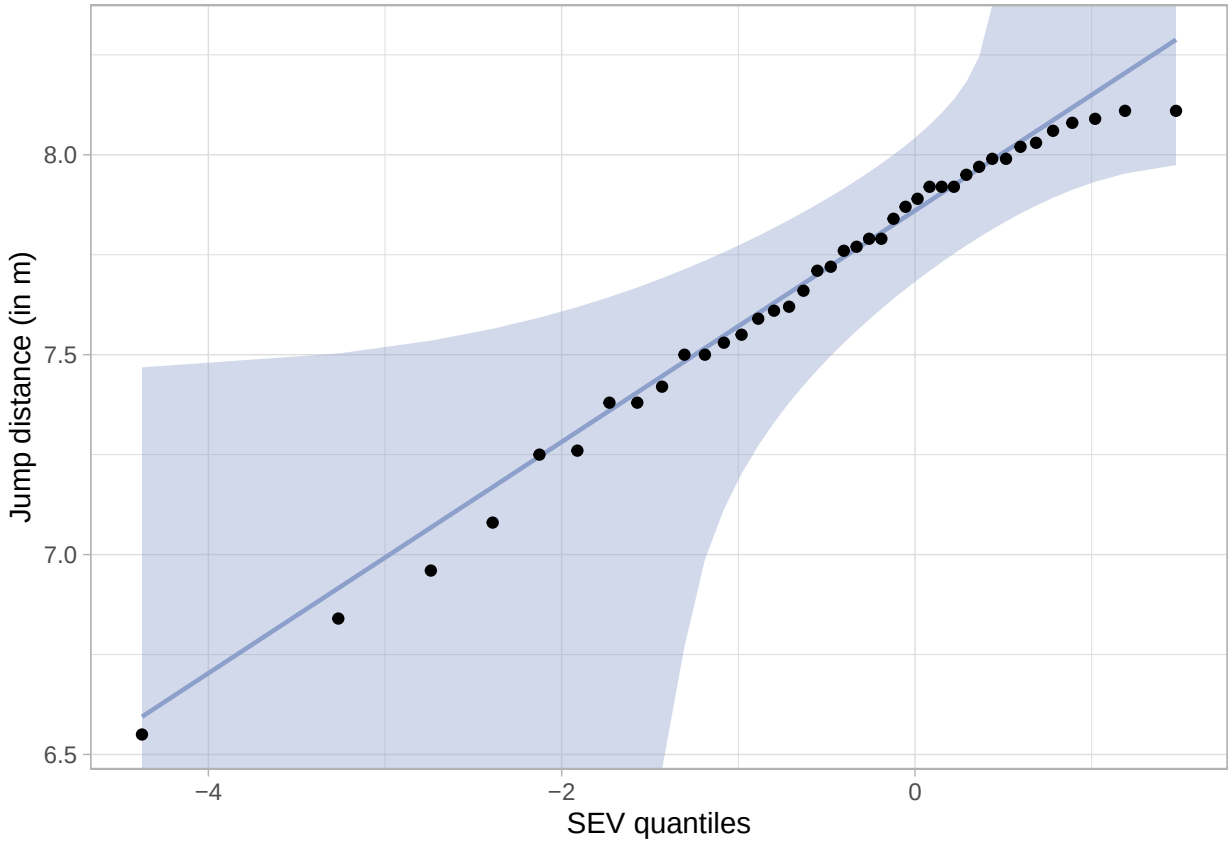

Normal Distribution N(0,1)
16
12
8
Observed quantiles
−2
−1
0
1
2
Normal quantiles

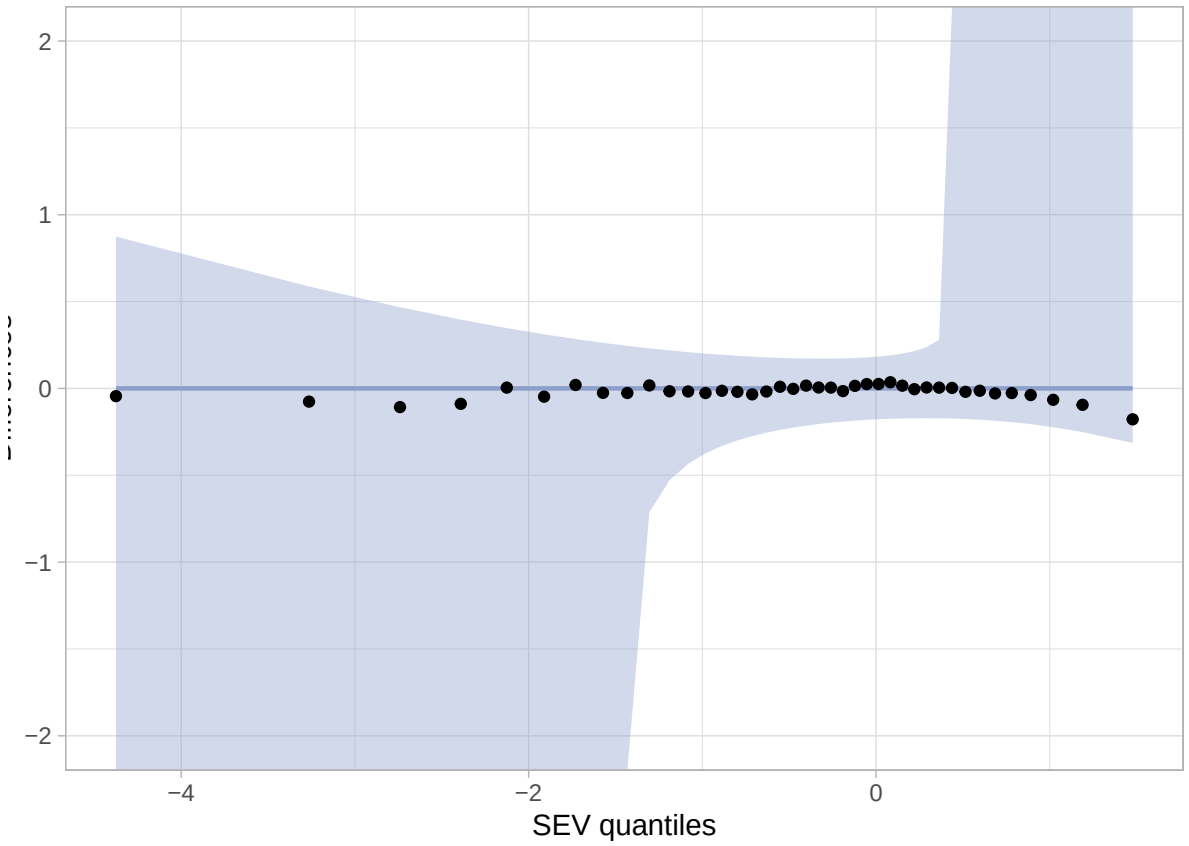

Normal Distribution N($\hat{\mu}$, $\hat{\sigma}^2$)
16
12
8
Observed quantiles
7.5
10.0
12.5
Normal quantiles

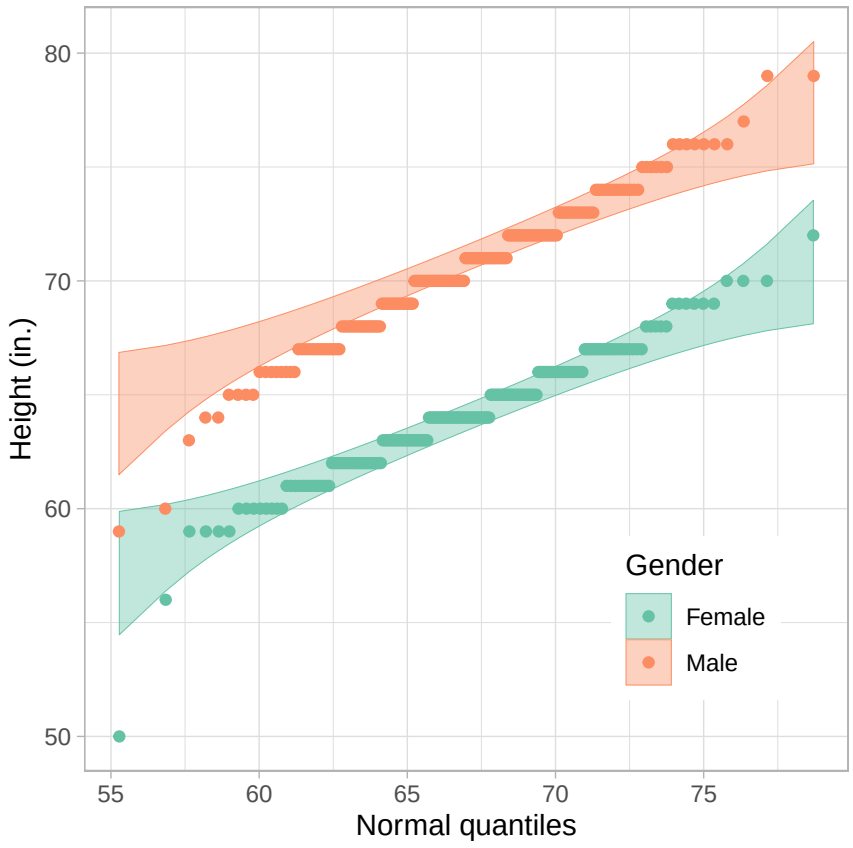

60
40
20
0
Observed quantiles
0.0
2.5
5.0
7.5
10.0
Lognormal quantiles

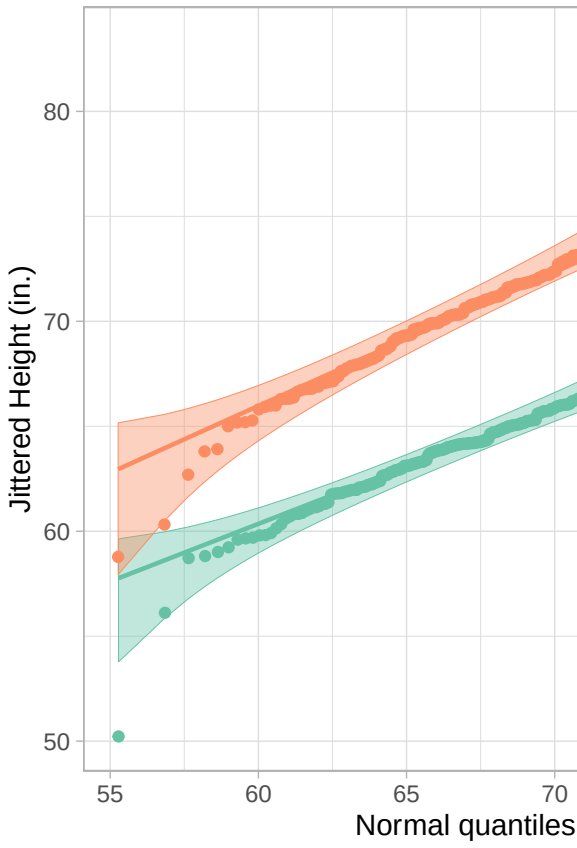

Lognormal Distribution LN($\hat{\mu}$, $\hat{\sigma}^2$)
Observed quantiles
Lognormal quantiles
pH measurements quantile
Normal quantiles
Pointwise (Detrended)
Kolmogorov−type (Detrer
Tail−sensitive (Detrende
Differences


1.25
1.00
0.75
0.50
0.25
0.00
6.5
7.0
7.5
8.0
Jump distance (in m)

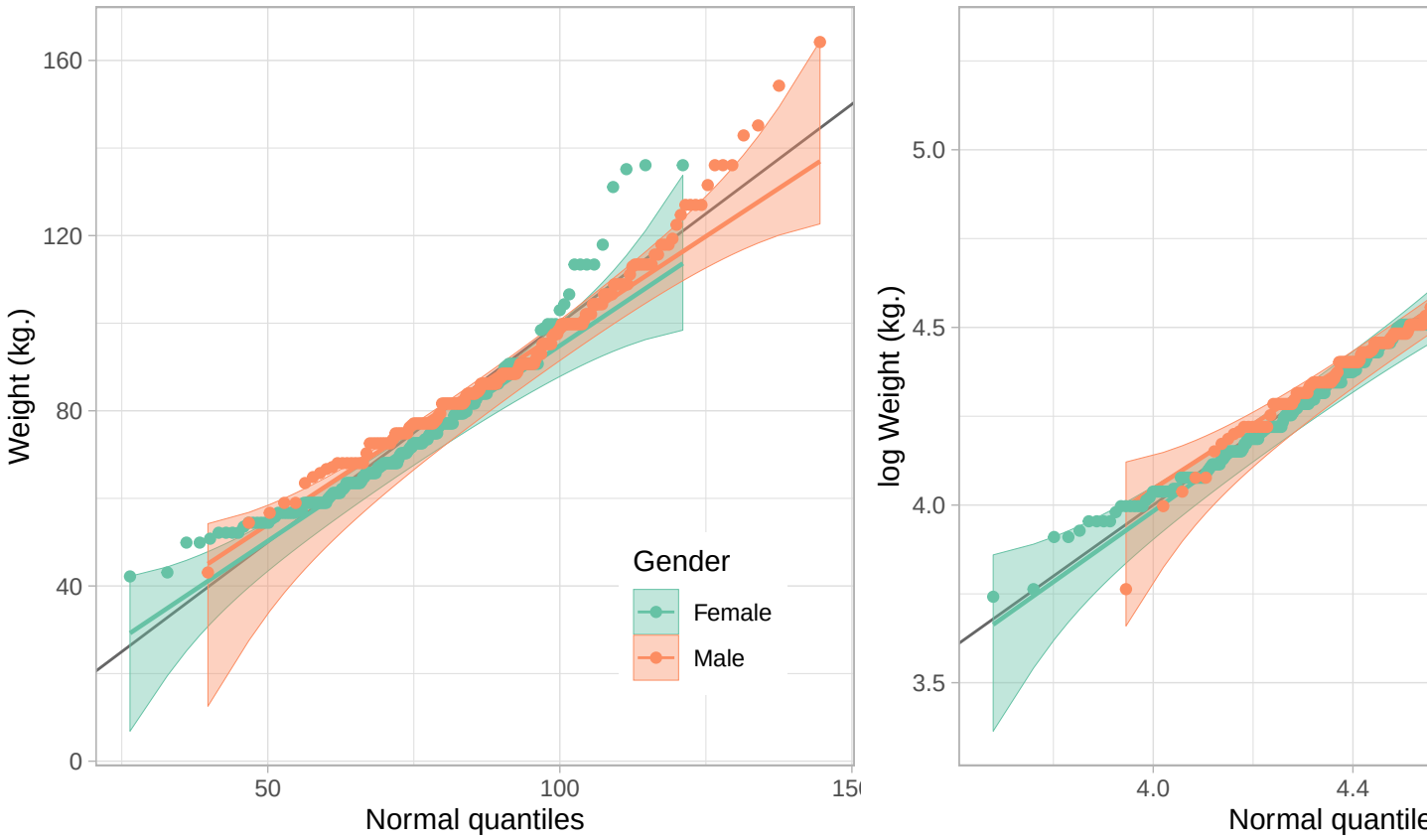

8.0
7.5
7.0
6.5
Jump distance (in m)
−4
−2
0
SEV quantiles

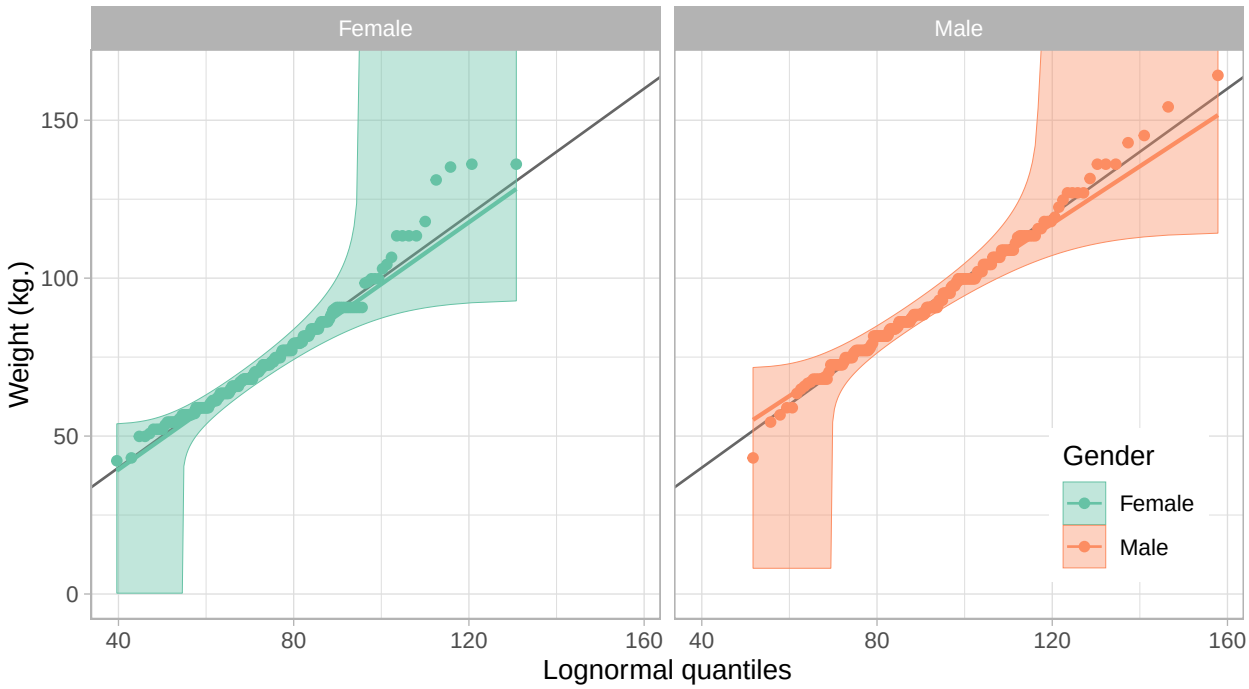

2
1
0
−1
−2
−4
−2
0
SEV quantiles


80
70
60
50
55
60
65
70
75
Height (in.)
Normal quantiles
Gender
Female
Male


80
70
60
50
55
60
65
70
Jittered Height (in.)
Normal quantiles

SEX	mean height (in)	sd (in)	mean log weight (kg)	sd (kg)
Male	70.55043	2.966460	9.100936	0.2011216
Female	64.50972	2.911454	8.887950	0.2254663
Total	66.99109	4.176295	8.978768	0.2397852




Female
Male
Weight (kg.)
150
100
50
0
40
80
120
160
Lognormal quantiles
Gender
Female
Male