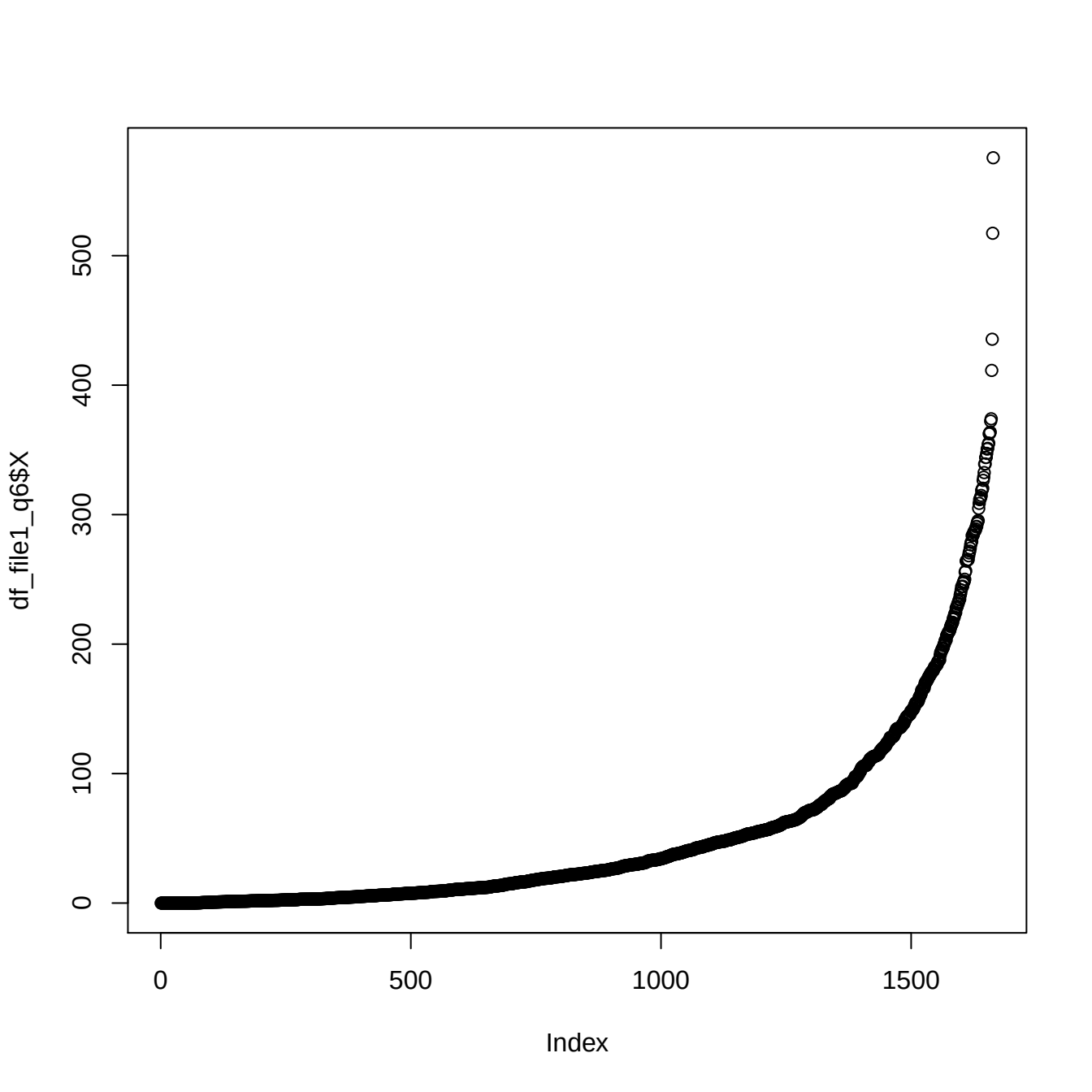
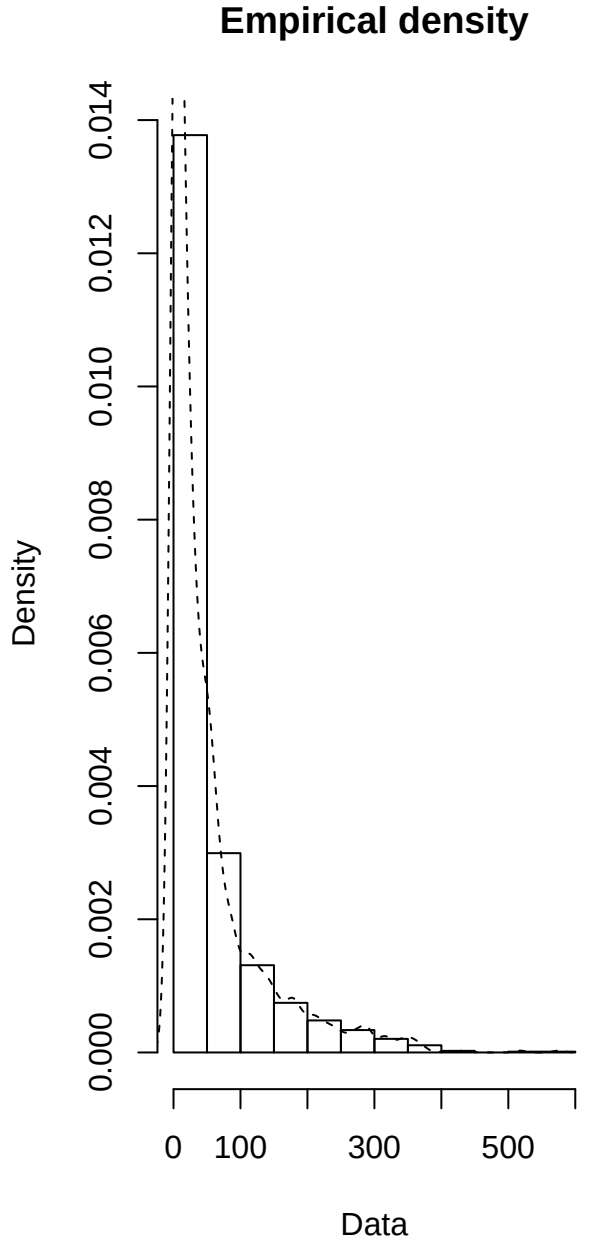
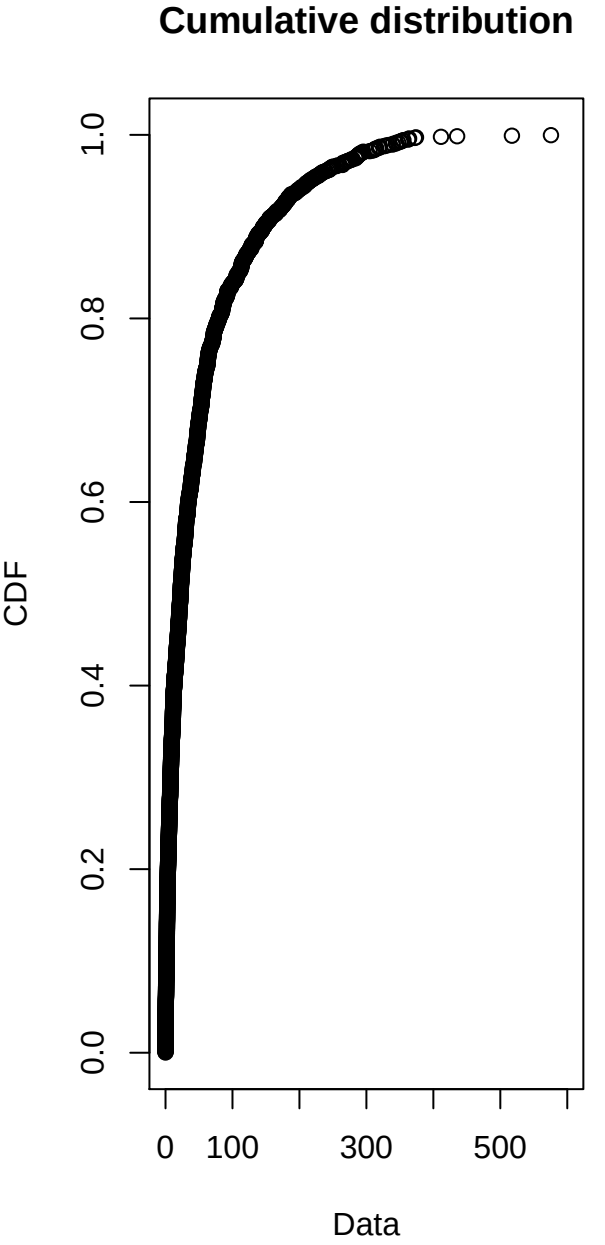
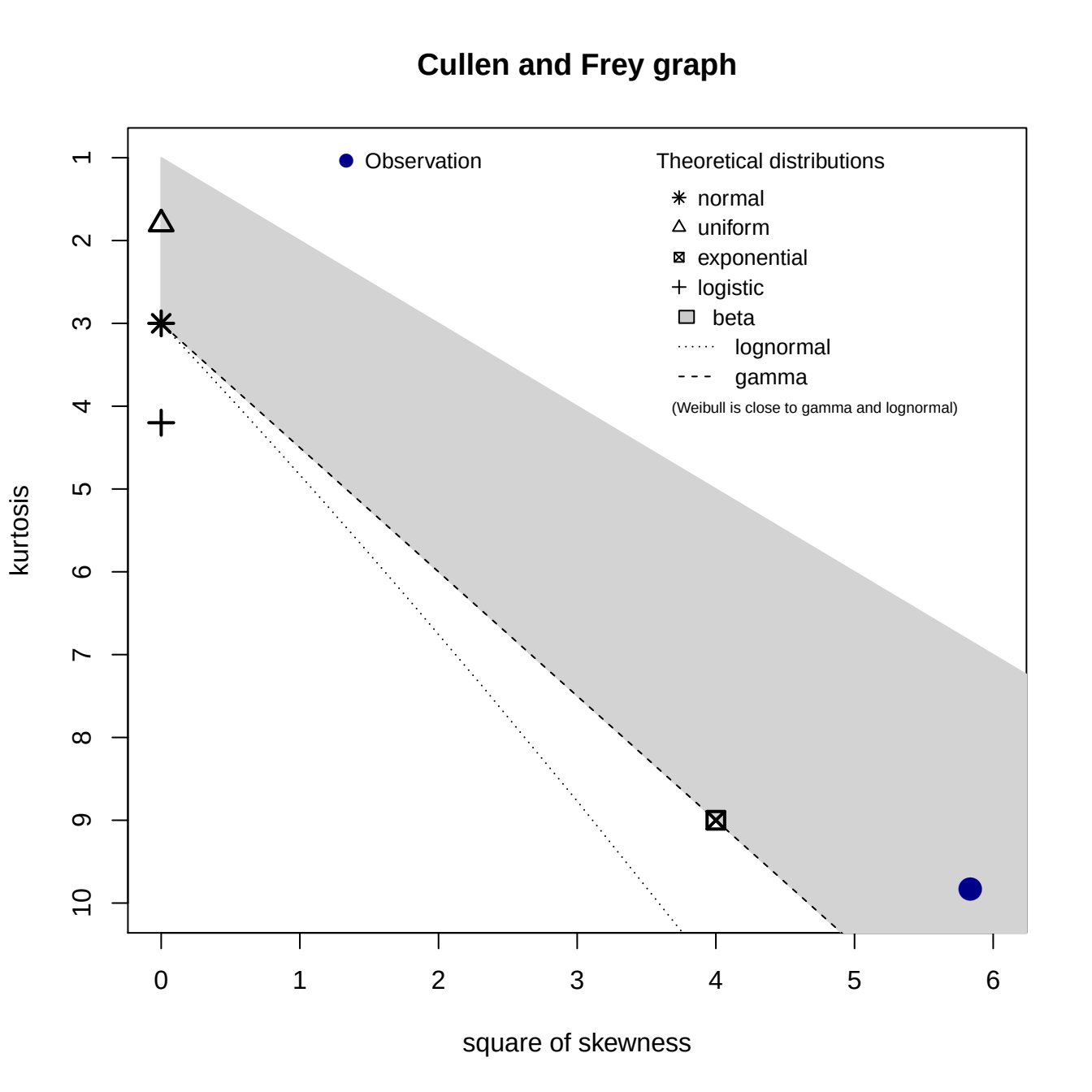
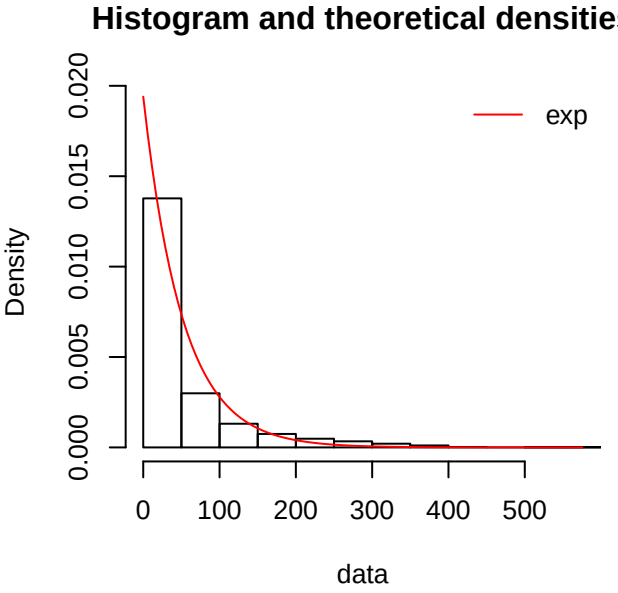
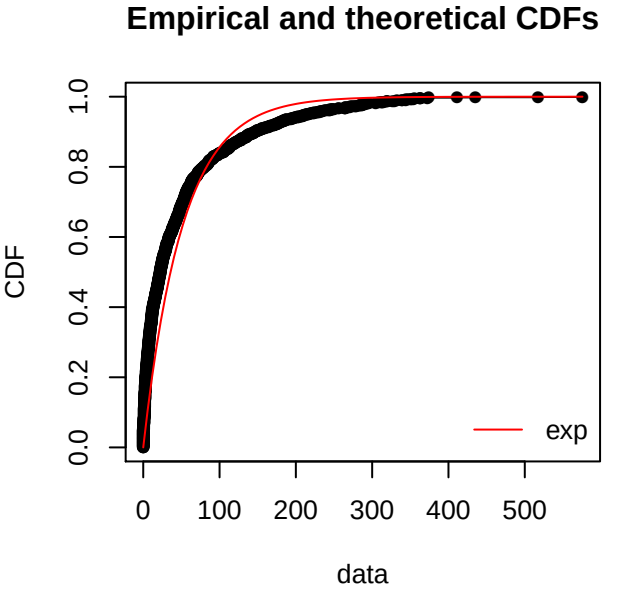

df_file1_q6$X
0
100
200
300
400
500
0
500
1000
1500
Index

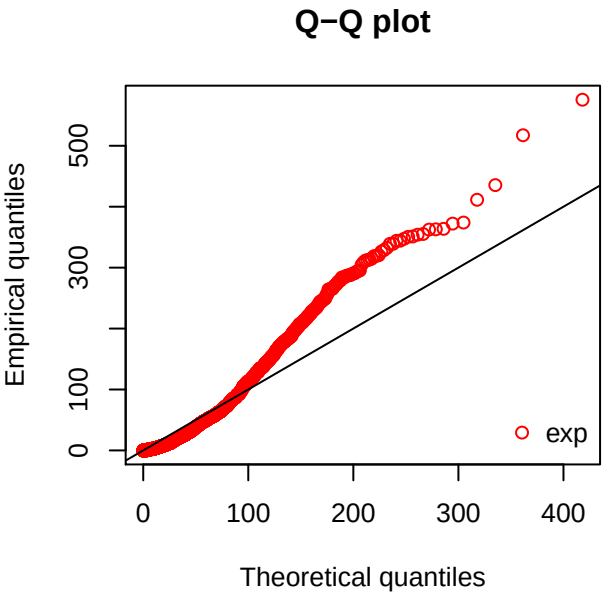

Empirical density
Density
0.000
0.002
0.004
0.006
0.008
0.010
0.012
0.014
0
100
300
500
Data

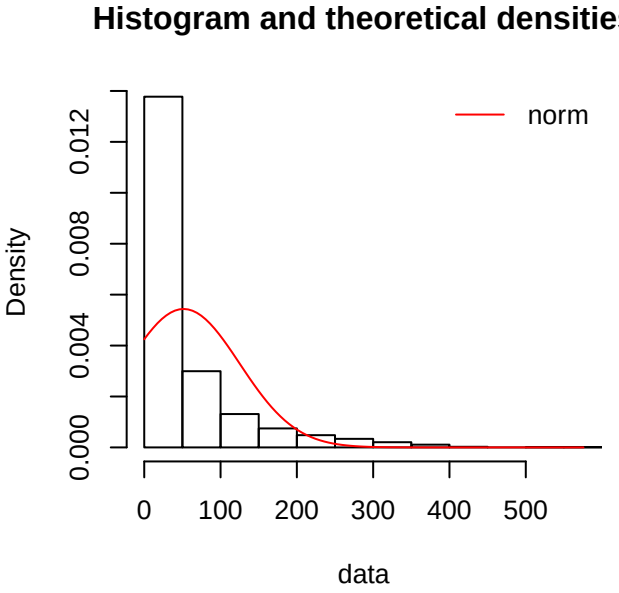

Cumulative distribution
CDF
0.0
0.2
0.4
0.6
0.8
1.0
0
100
300
500
Data

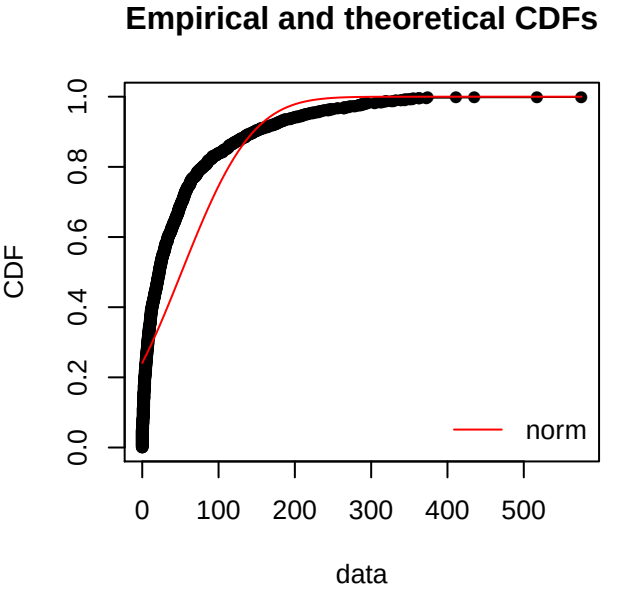

Cullen and Frey graph
Observation
Theoretical distributions
normal
uniform
exponential
logistic
beta
lognormal
gamma
(Weibull is close to gamma and lognormal)
kurtosis
square of skewness
0
1
2
3
4
5
6
1
2
3
4
5
6
7
8
9
10

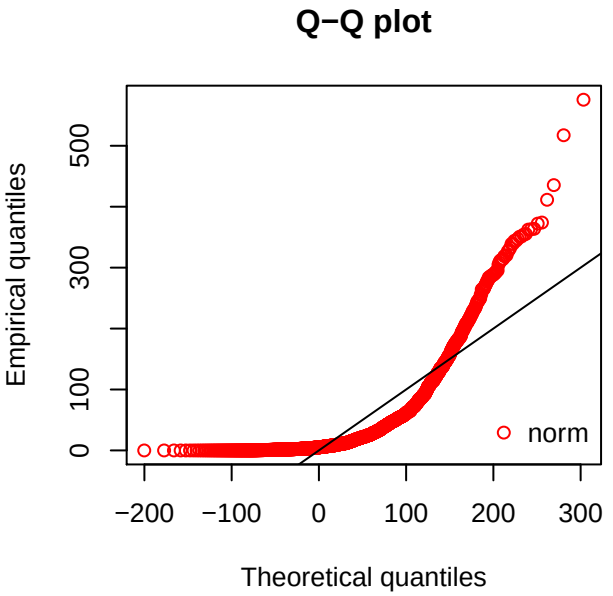

Histogram and theoretical densities
Density
0.000
0.005
0.010
0.015
0.020
exp
0
100
200
300
400
500
data

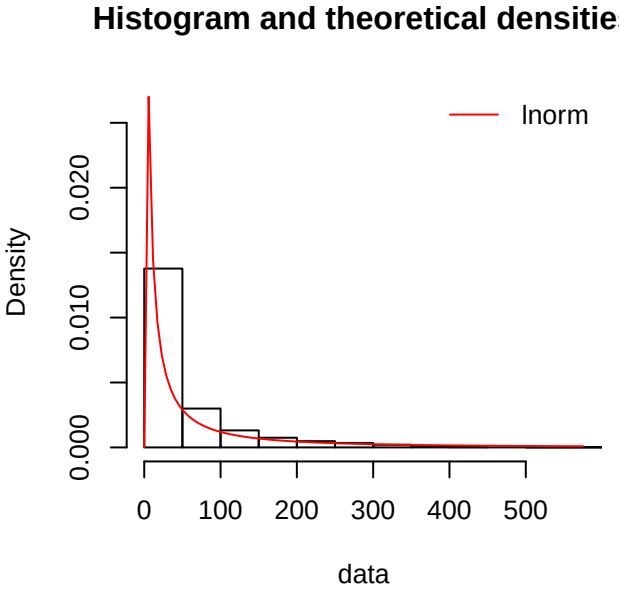

Empirical and theoretical CDFs
CDF
0.0
0.2
0.4
0.6
0.8
1.0
exp
0
100
200
300
400
500
data

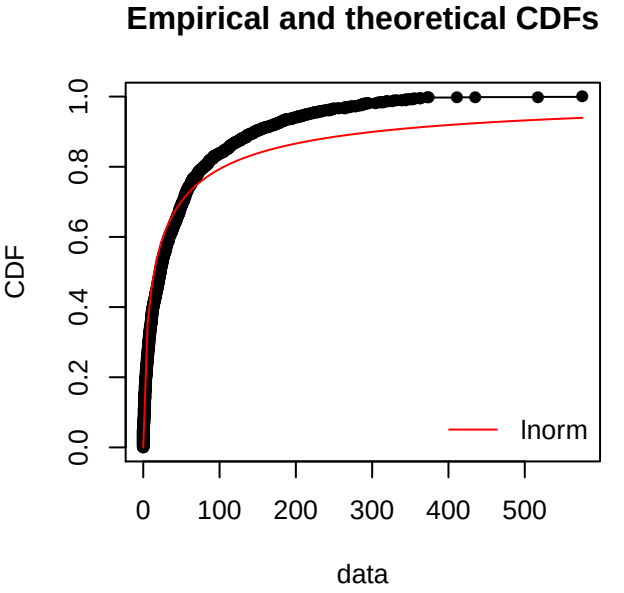

Q−Q plot
Empirical quantiles
0
100
300
500
exp
0
100
200
300
400
Theoretical quantiles

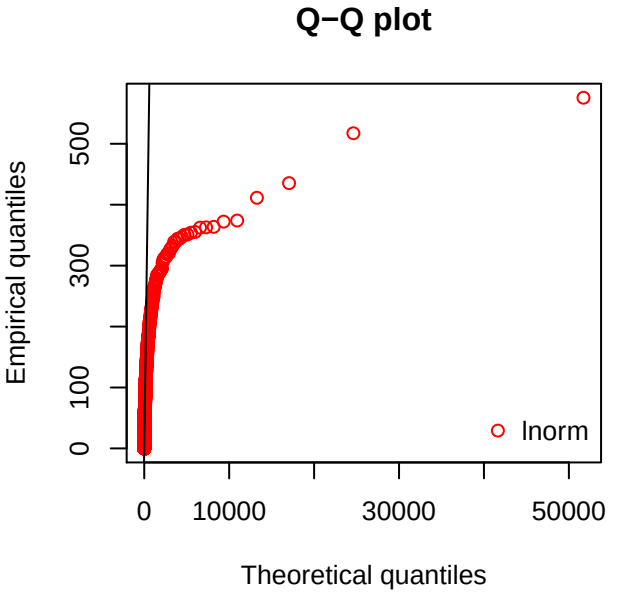

Histogram and theoretical densities
Density
0.000
0.004
0.008
0.012
norm
0
100
200
300
400
500
data

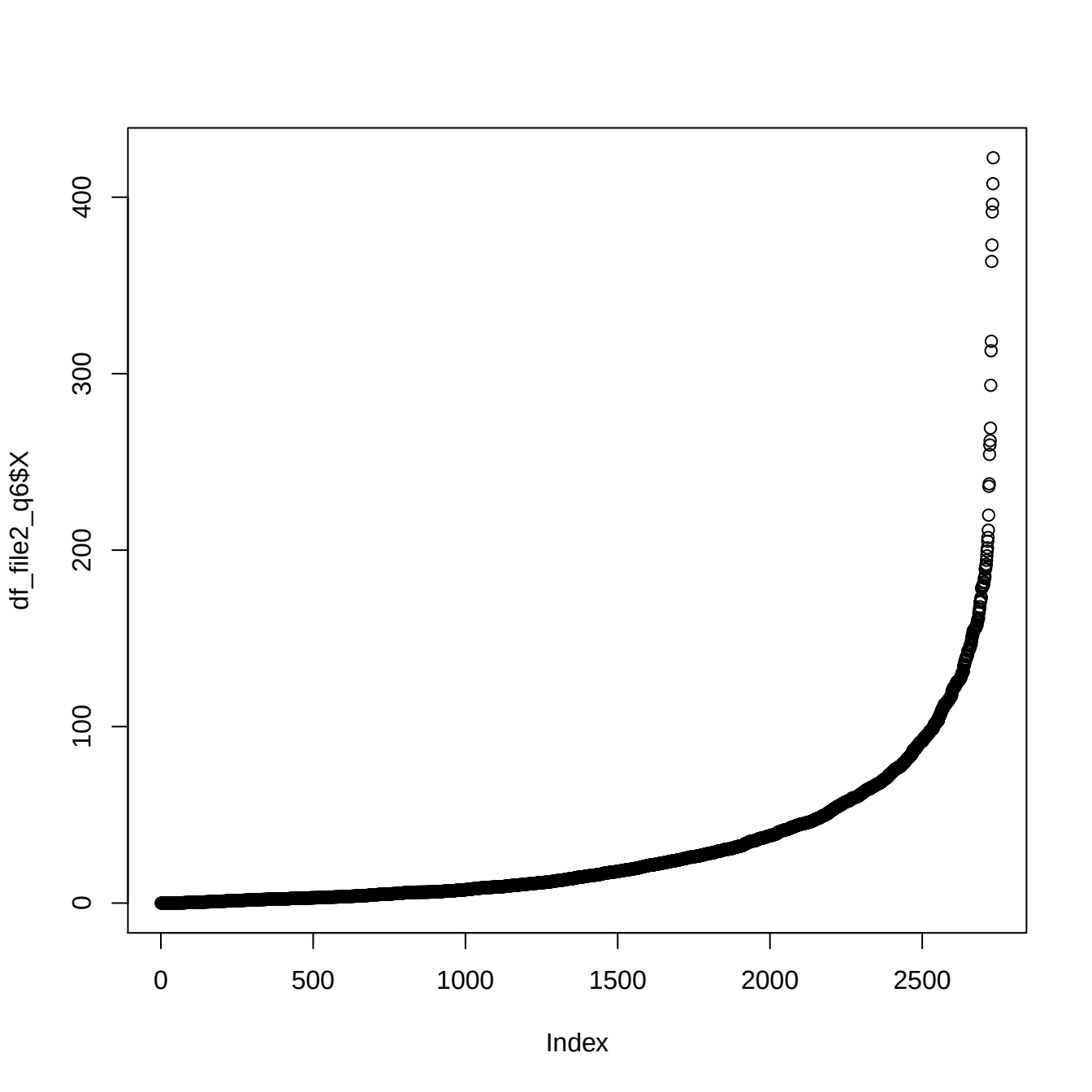

Empirical and theoretical CDFs
CDF
0.0
0.2
0.4
0.6
0.8
1.0
norm
0
100
200
300
400
500
data

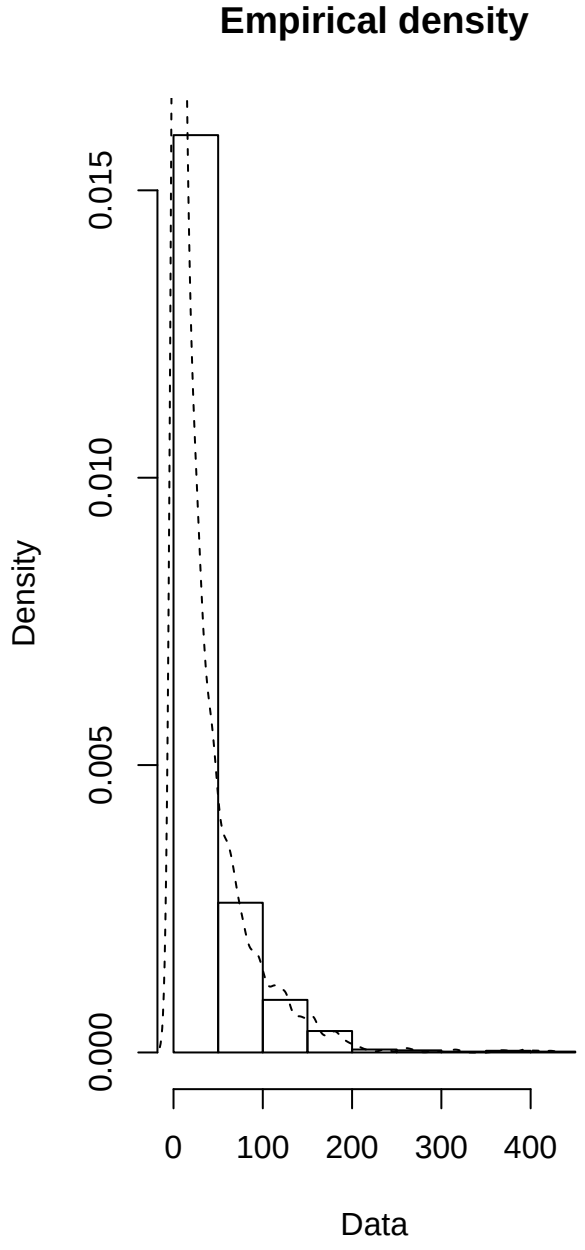

Q−Q plot
Empirical quantiles
0
100
300
500
norm
−200
−100
0
100
200
300
Theoretical quantiles

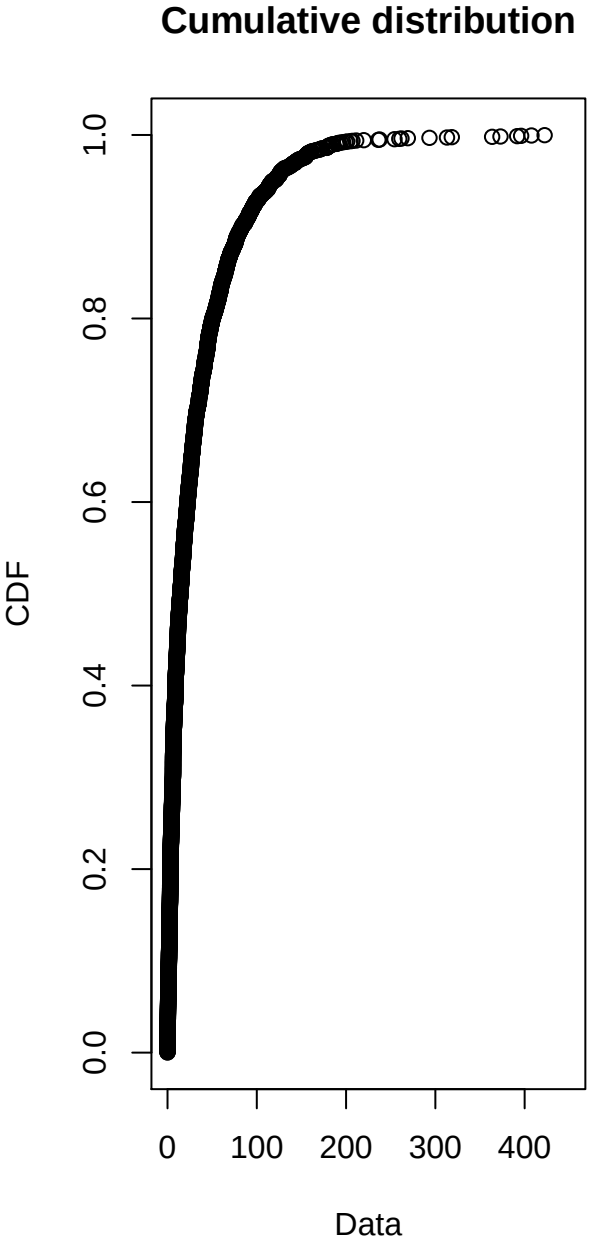

Histogram and theoretical densities
lnorm
Density
0.000
0.010
0.020
0
100
200
300
400
500
data

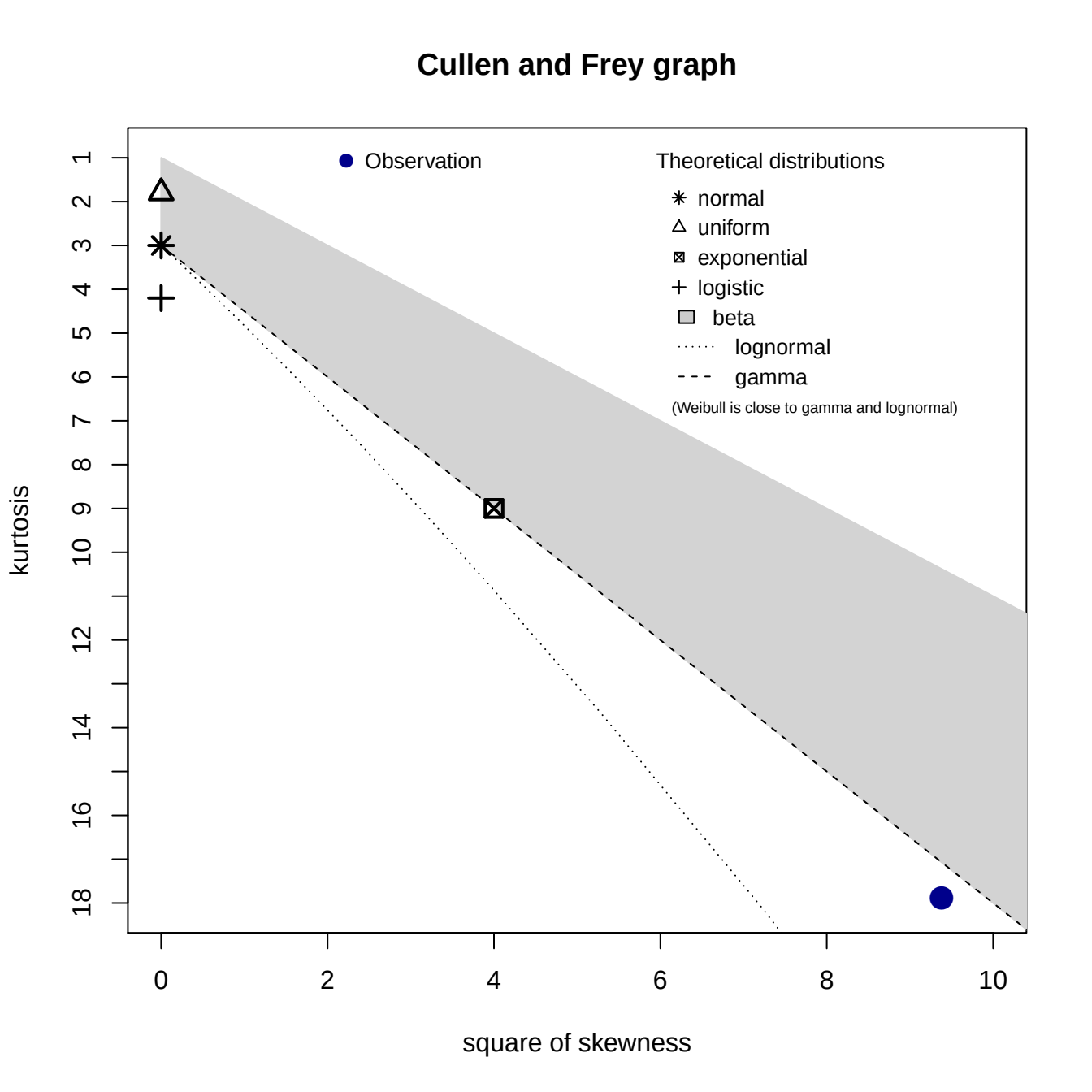

Empirical and theoretical CDFs
lnorm
CDF
0.0
0.2
0.4
0.6
0.8
1.0
0
100
200
300
400
500
data

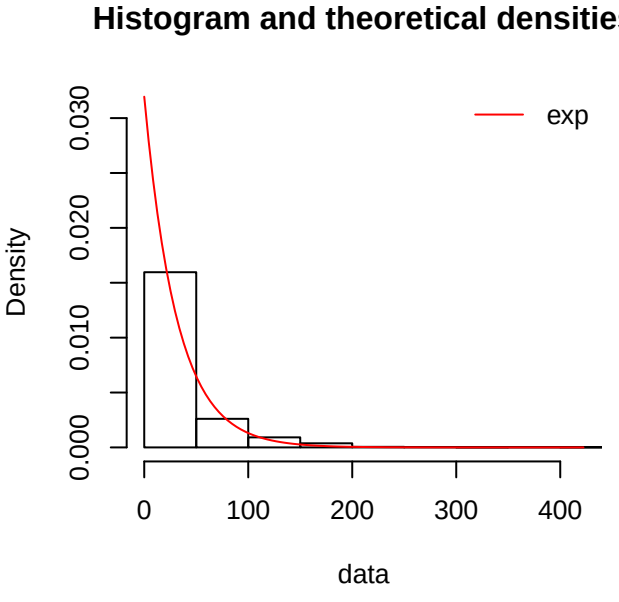

Q−Q plot
lnorm
Empirical quantiles
0
100
300
500
0
10000
30000
50000
Theoretical quantiles

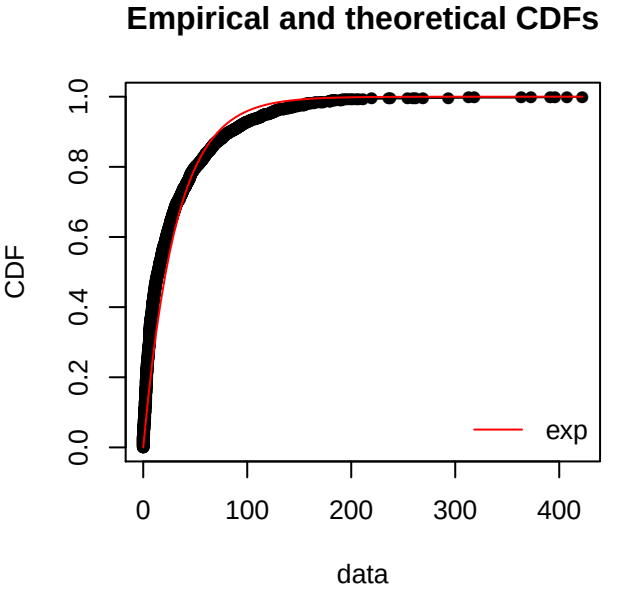

df_file2_q6$X
0
100
200
300
400
0
500
1000
1500
2000
2500
Index

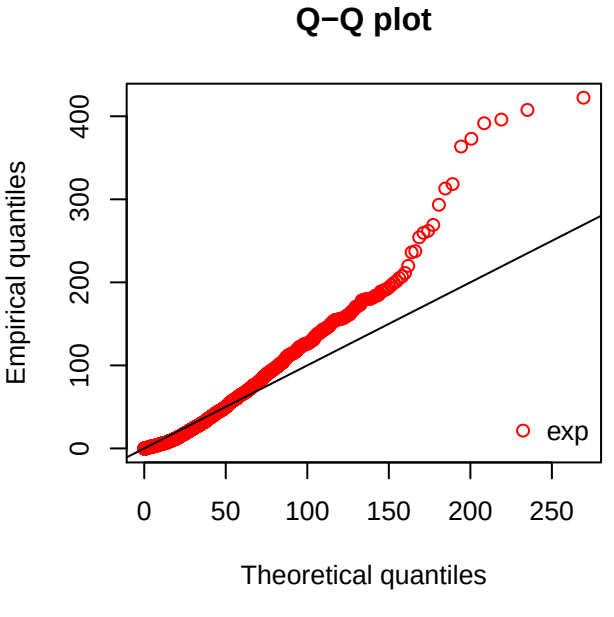

Empirical density
Density
0.000
0.005
0.010
0.015
0
100
200
300
400
Data

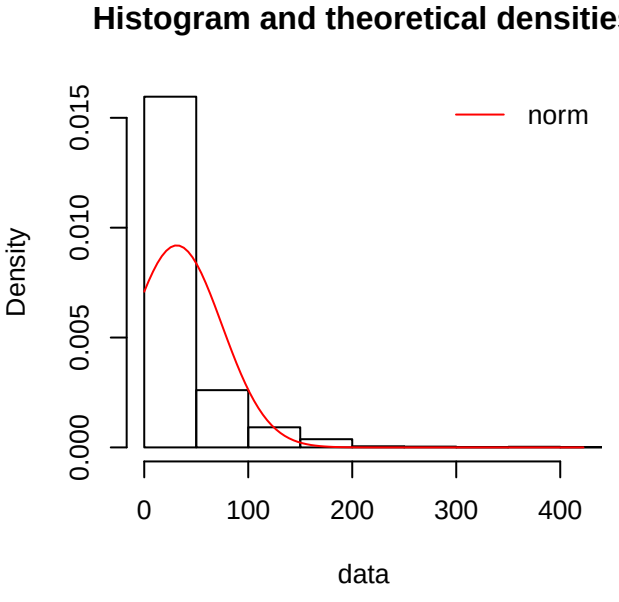

Cumulative distribution
CDF
0.0
0.2
0.4
0.6
0.8
1.0
0
100
200
300
400
Data

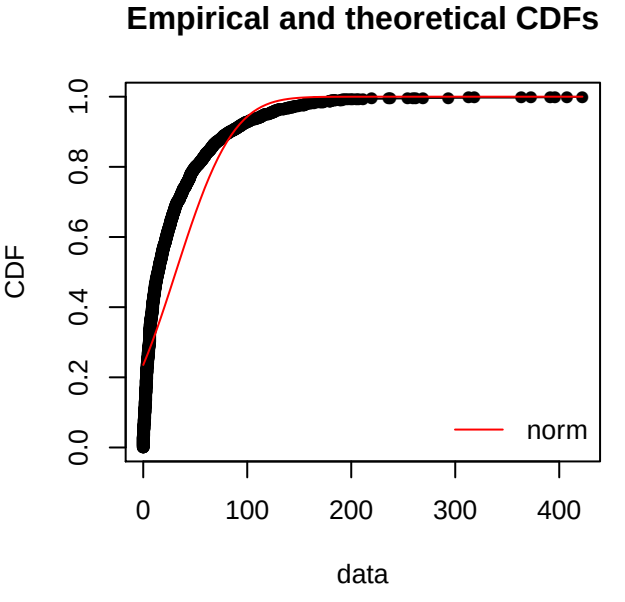

Cullen and Frey graph
Observation
Theoretical distributions
normal
uniform
exponential
logistic
beta
lognormal
gamma
(Weibull is close to gamma and lognormal)
kurtosis
1
2
3
4
5
6
7
8
9
10
12
14
16
18
0
2
4
6
8
10
square of skewness

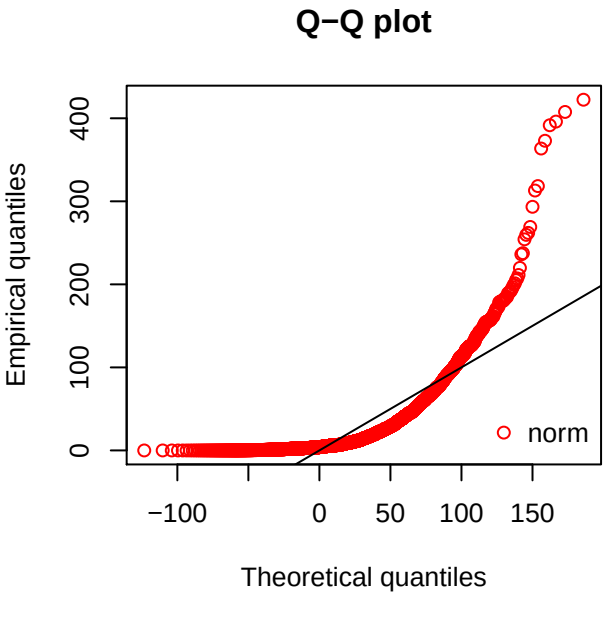

Histogram and theoretical densities
Density
0.000
0.010
0.020
0.030
exp
0
100
200
300
400
data

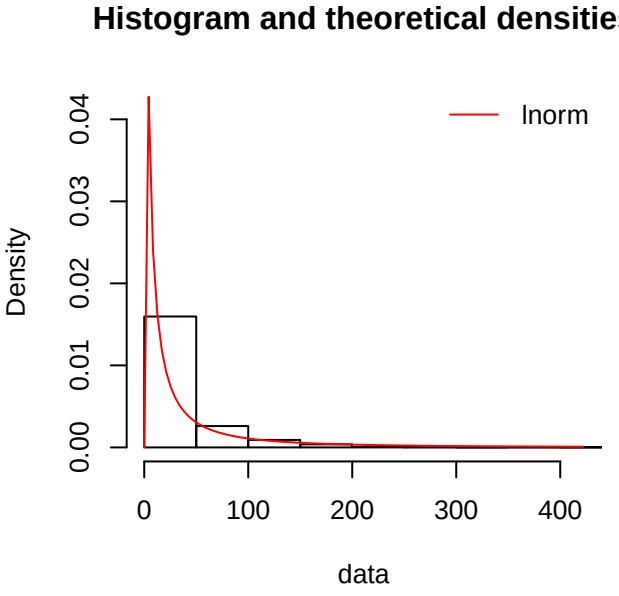

Empirical and theoretical CDFs
CDF
0.0
0.2
0.4
0.6
0.8
1.0
exp
0
100
200
300
400
data

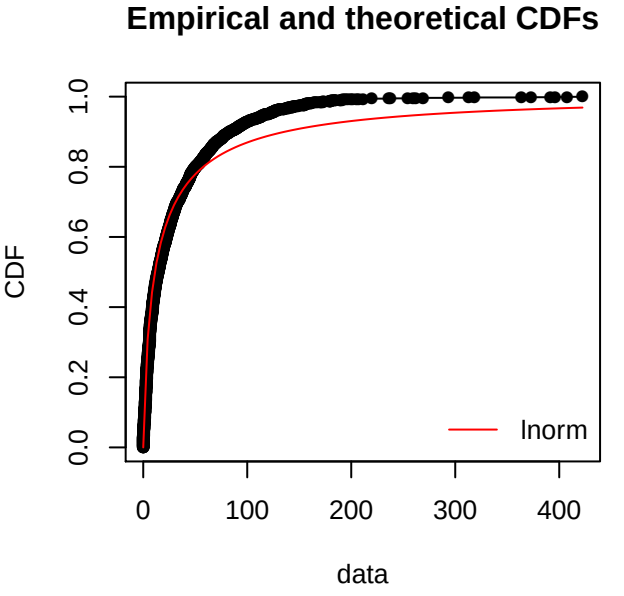

Q−Q plot
Empirical quantiles
0
100
200
300
400
exp
0
50
100
150
200
250
Theoretical quantiles

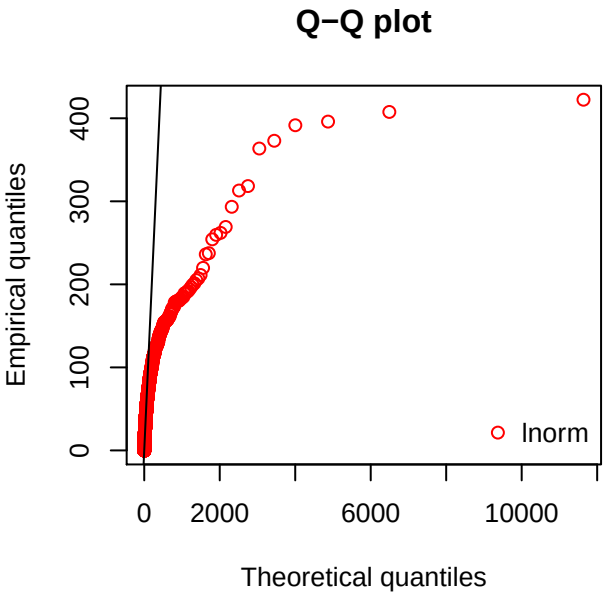

Histogram and theoretical densities
Density
0.000
0.005
0.010
0.015
norm
0
100
200
300
400
data

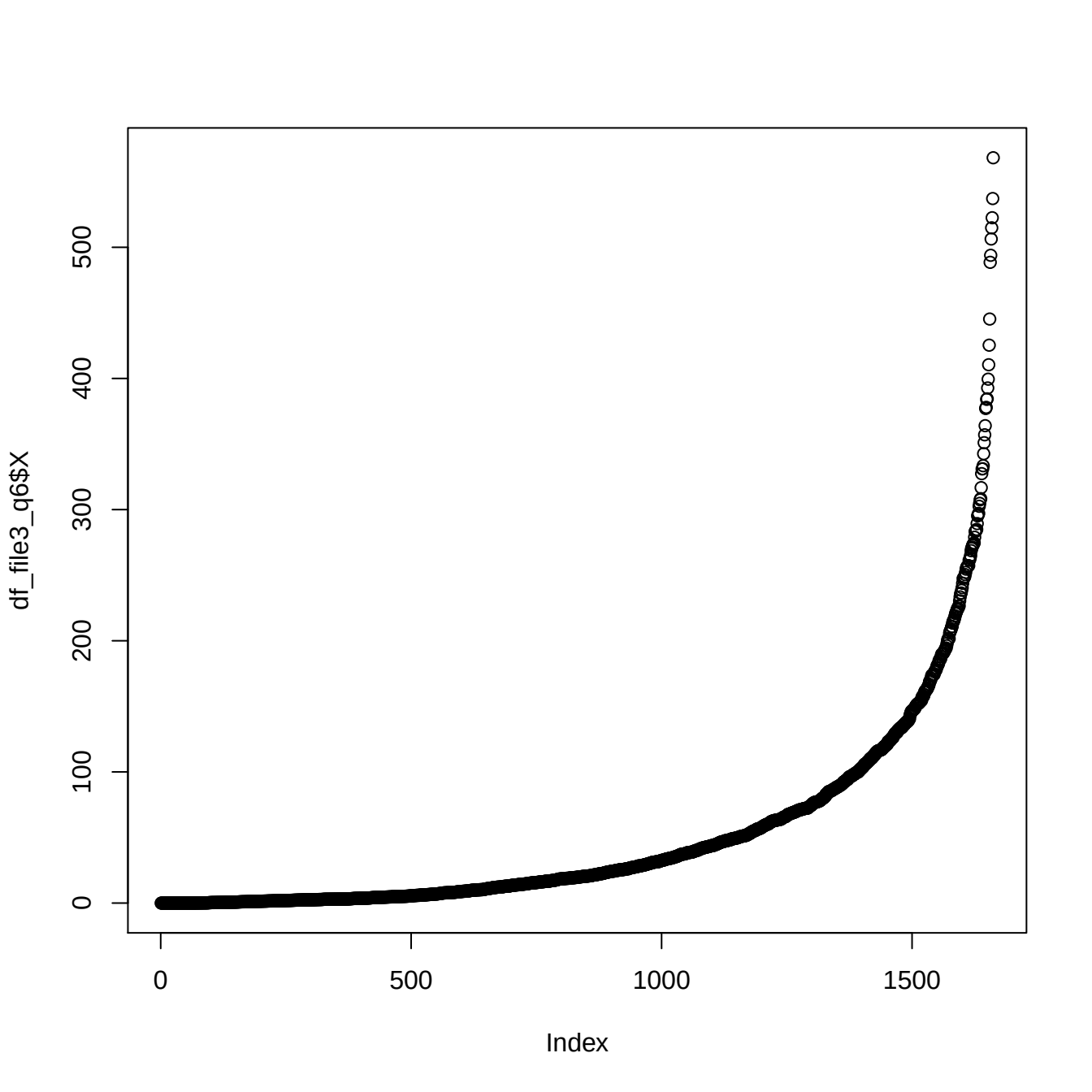

Empirical and theoretical CDFs
CDF
0.0
0.2
0.4
0.6
0.8
1.0
norm
0
100
200
300
400
data

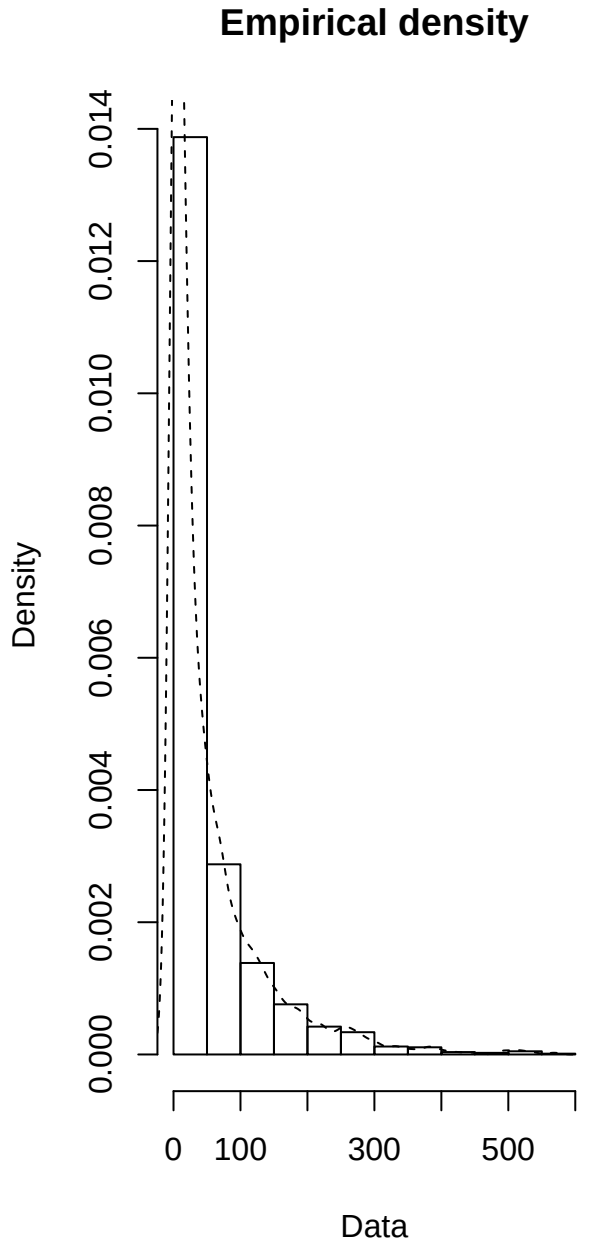

Q−Q plot
Empirical quantiles
0
100
200
300
400
norm
−100
0
50
100
150
Theoretical quantiles

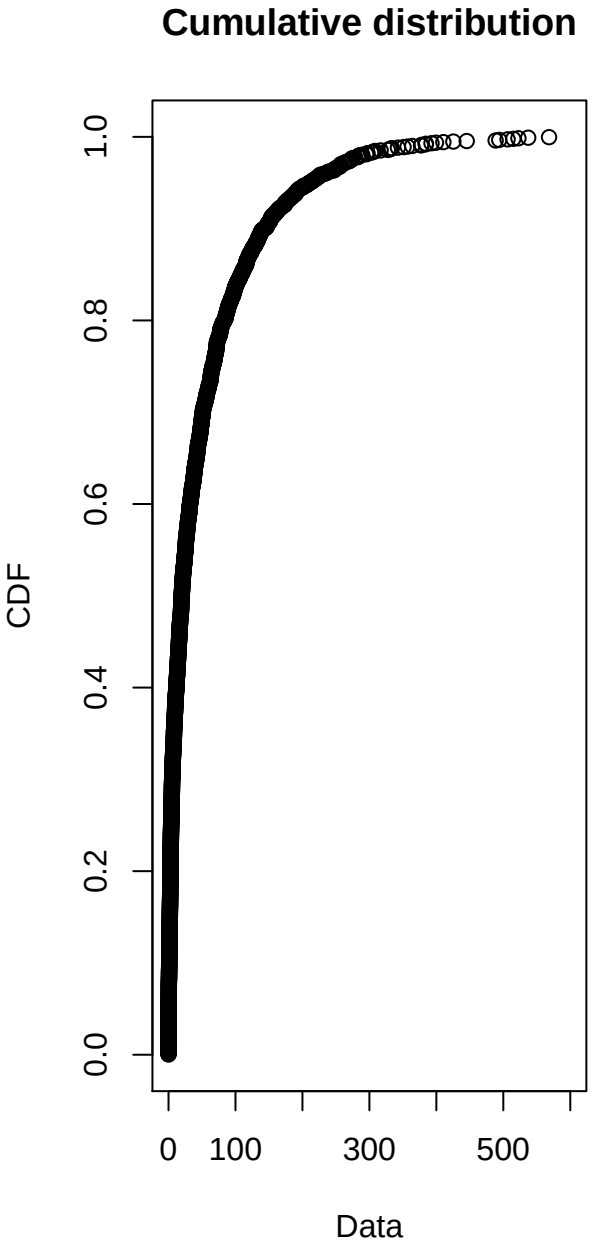

Histogram and theoretical densities
Density
0.00
0.01
0.02
0.03
0.04
lnorm
0
100
200
300
400
data

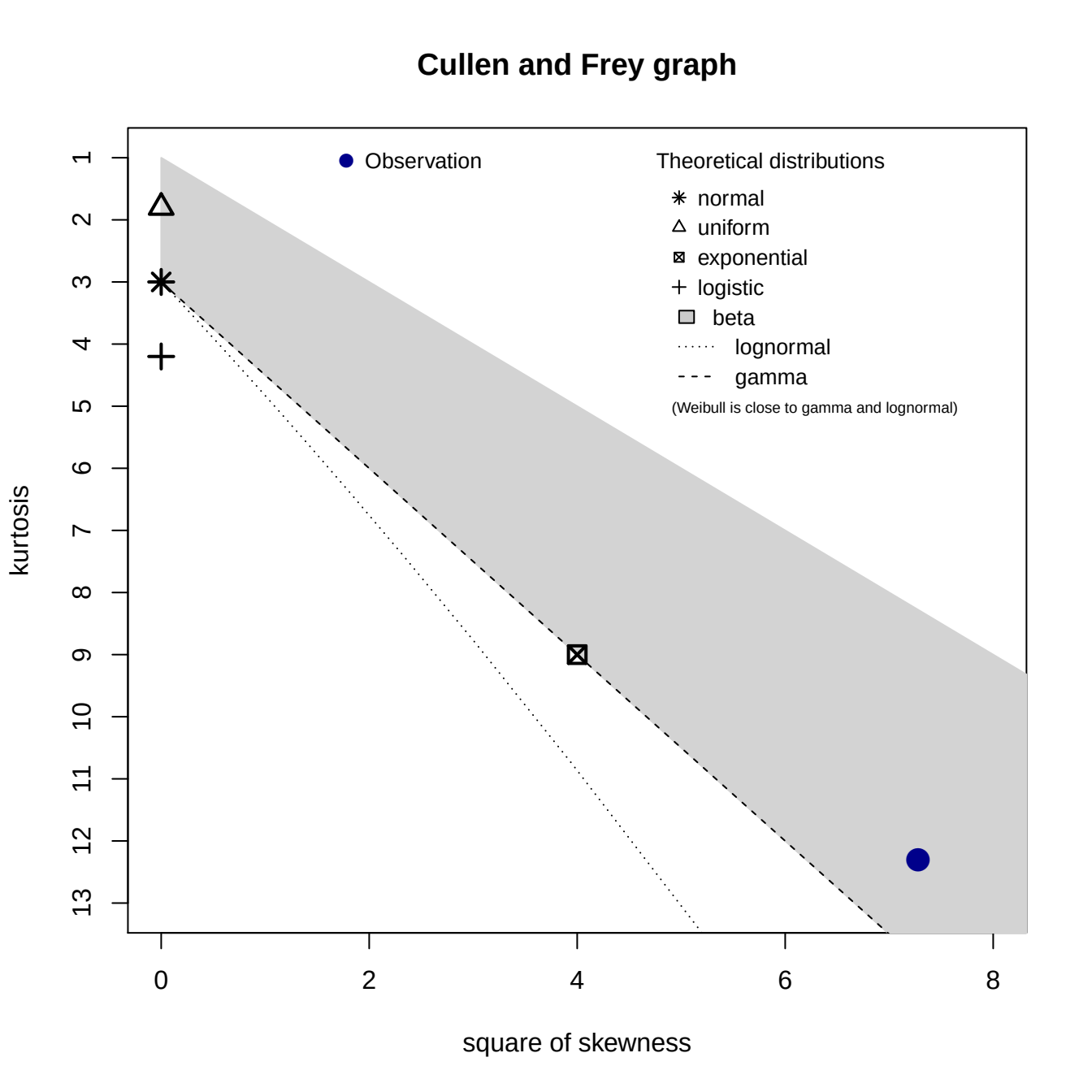

Empirical and theoretical CDFs
CDF
0.0
0.2
0.4
0.6
0.8
1.0
lnorm
0
100
200
300
400
data

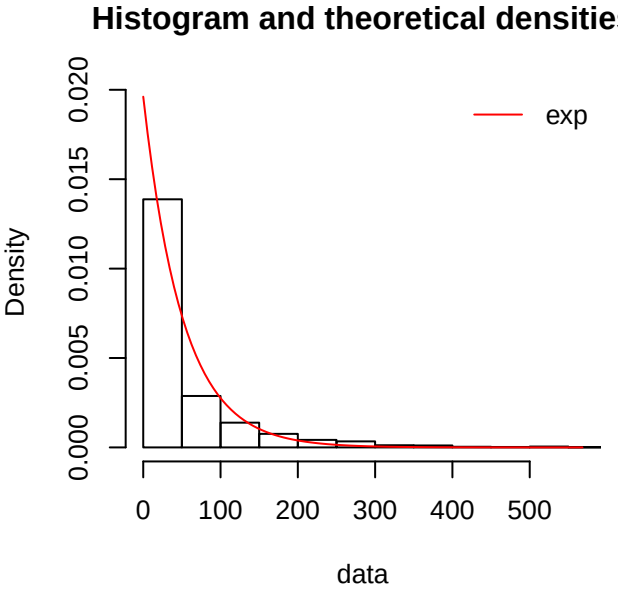

Q−Q plot
Empirical quantiles
0
100
200
300
400
lnorm
0
2000
6000
10000
Theoretical quantiles

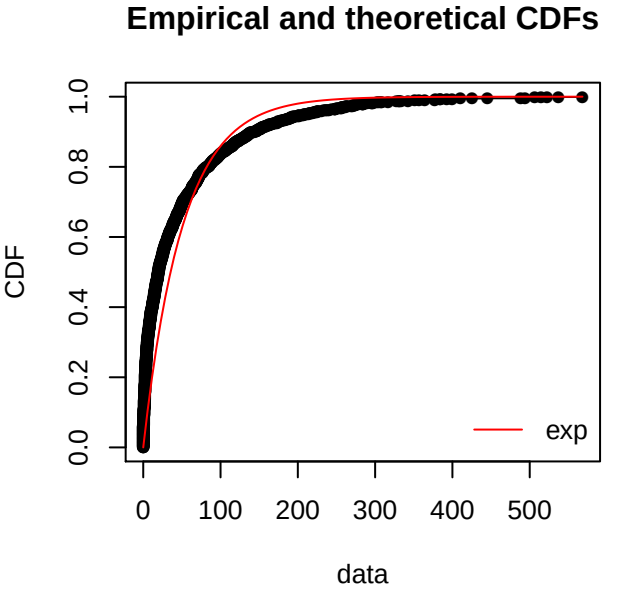

df_file3_q6$X
0
100
200
300
400
500
0
500
1000
1500
Index

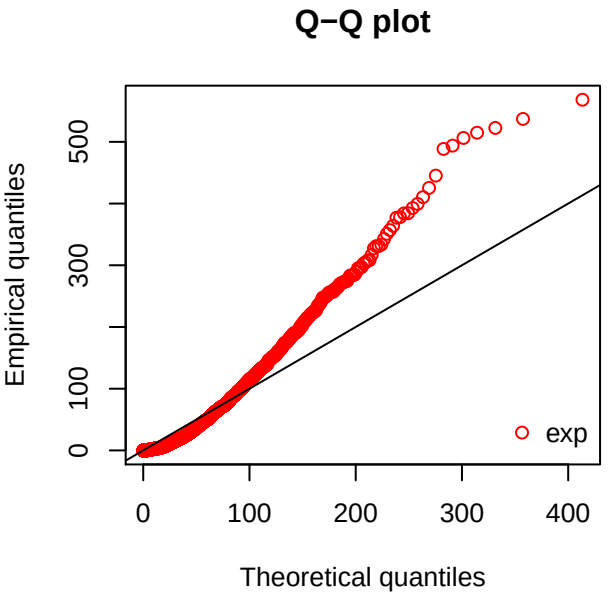

Empirical density
Density
0.000
0.002
0.004
0.006
0.008
0.010
0.012
0.014
0
100
300
500
Data

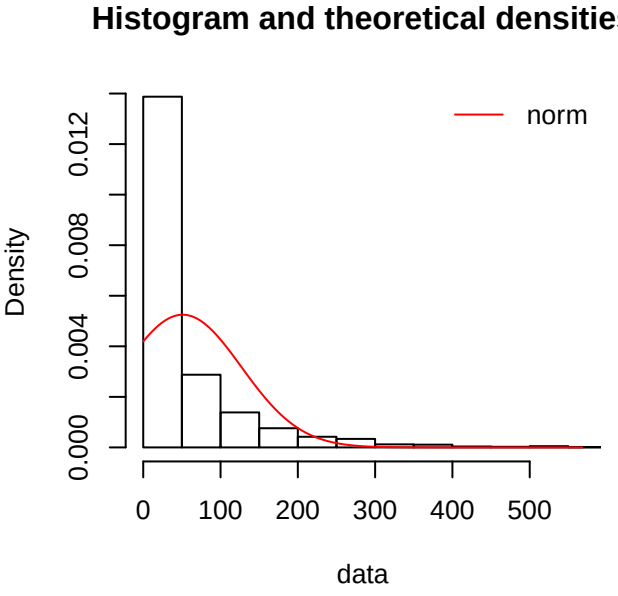

Cumulative distribution
CDF
0.0
0.2
0.4
0.6
0.8
1.0
0
100
300
500
Data

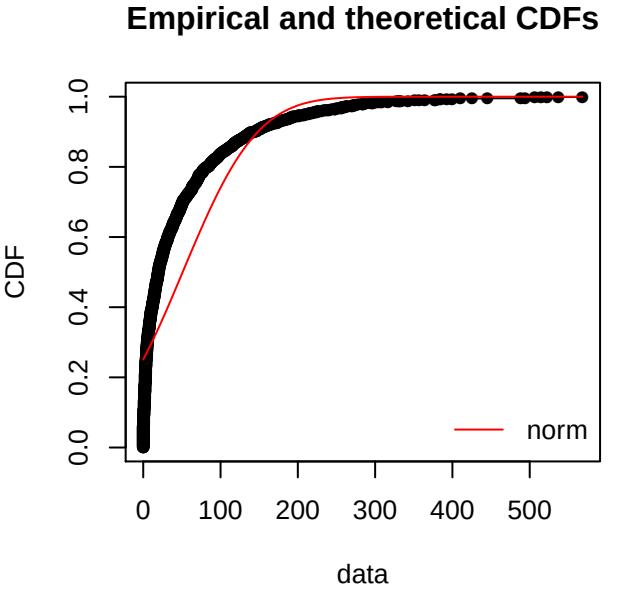

Cullen and Frey graph
Observation
Theoretical distributions
normal
uniform
exponential
logistic
beta
lognormal
gamma
(Weibull is close to gamma and lognormal)
kurtosis
square of skewness
1
2
3
4
5
6
7
8
9
10
11
12
13
0
2
4
6
8

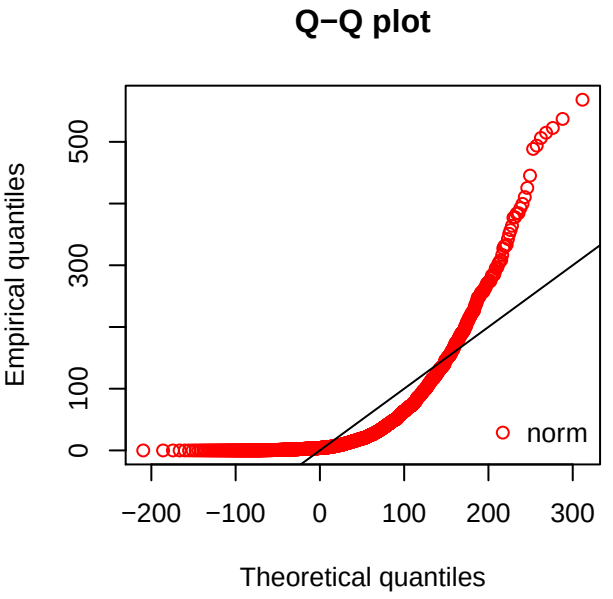

Histogram and theoretical densities
Density
0.000
0.005
0.010
0.015
0.020
exp
0
100
200
300
400
500
data

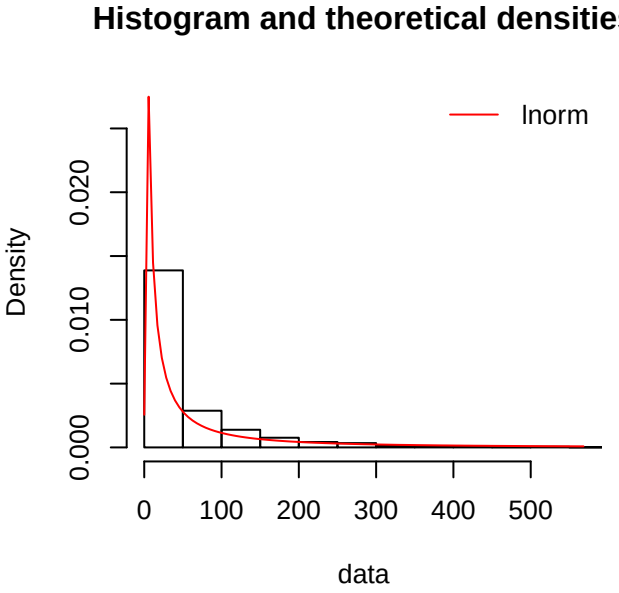

Empirical and theoretical CDFs
CDF
0.0
0.2
0.4
0.6
0.8
1.0
exp
0
100
200
300
400
500
data

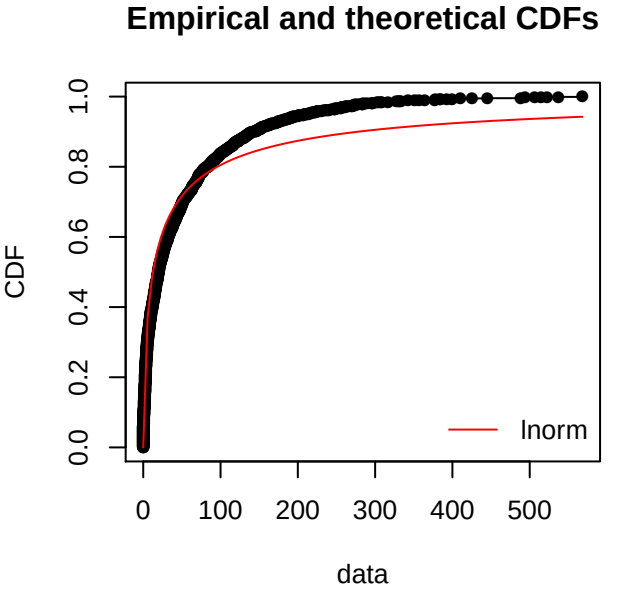

Q−Q plot
Empirical quantiles
0
100
300
500
exp
0
100
200
300
400
Theoretical quantiles

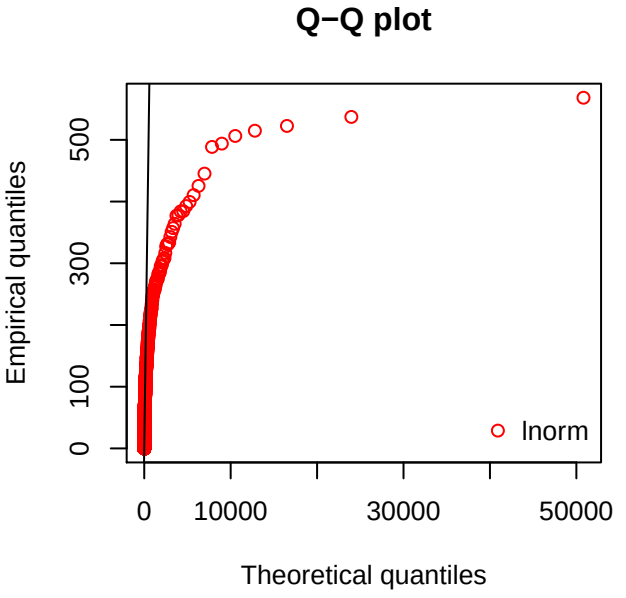

Histogram and theoretical densities
Density
0.000
0.004
0.008
0.012
norm
0
100
200
300
400
500
data

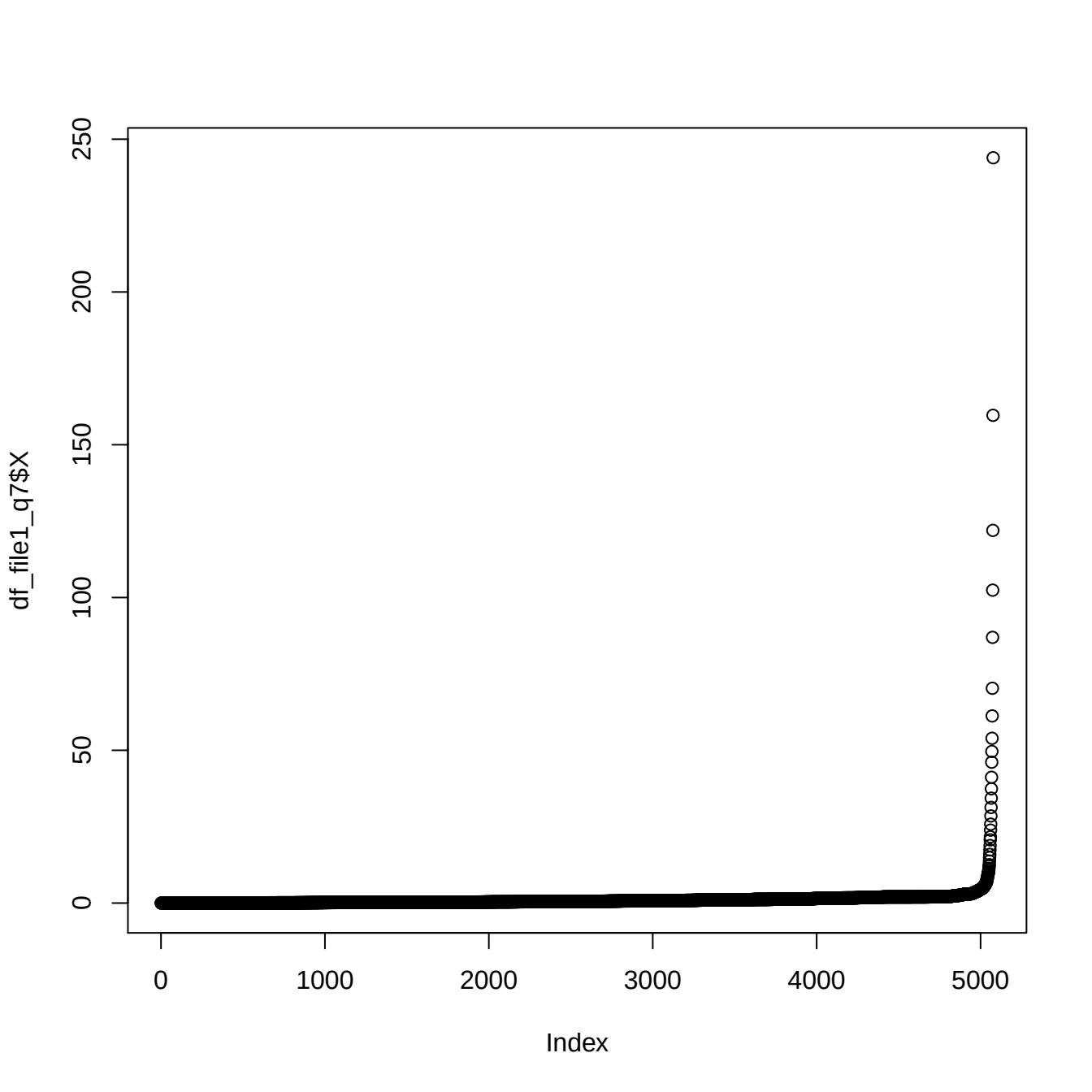

Empirical and theoretical CDFs
CDF
0.0
0.2
0.4
0.6
0.8
1.0
norm
0
100
200
300
400
500
data

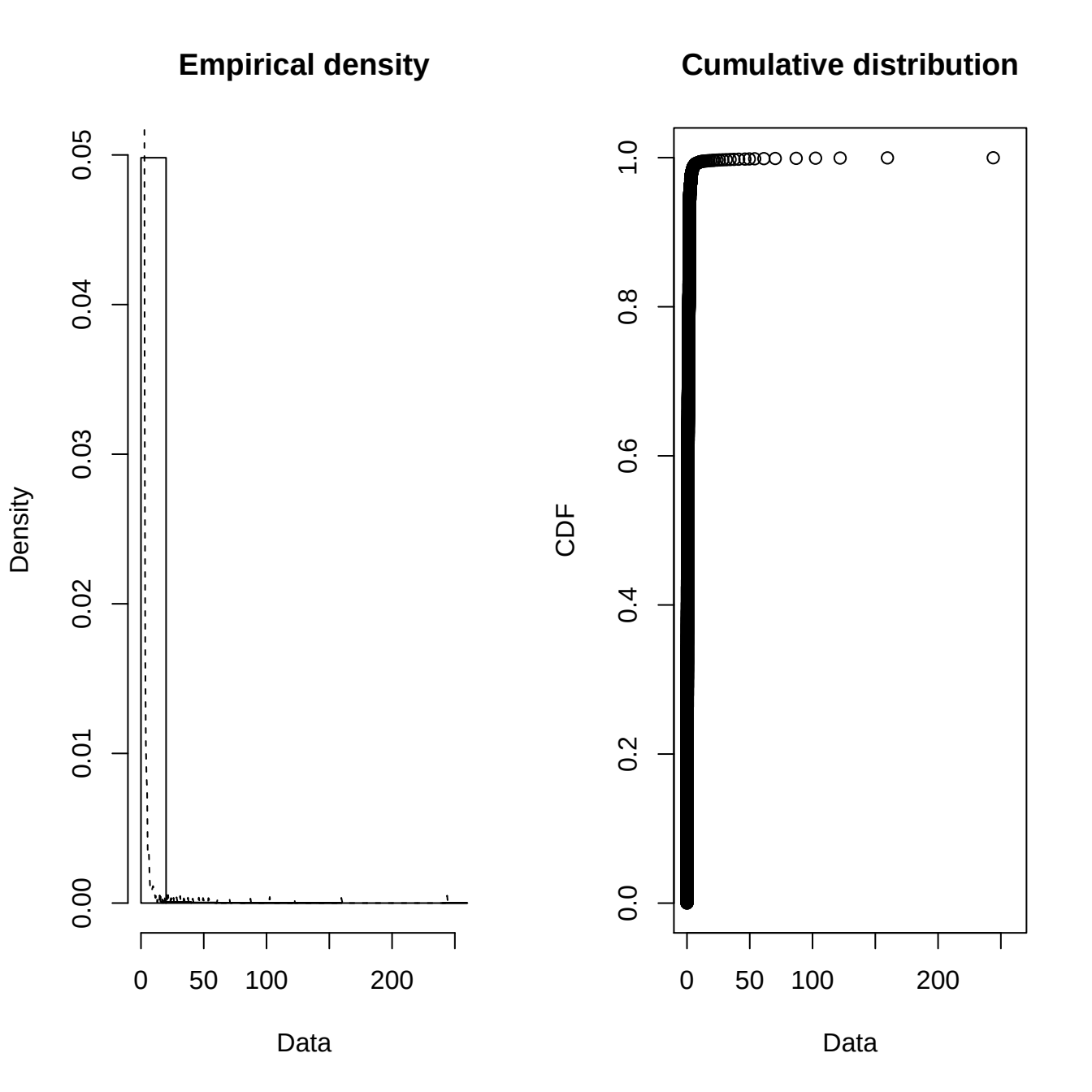

Q−Q plot
Empirical quantiles
0
100
300
500
norm
−200
−100
0
100
200
300
Theoretical quantiles

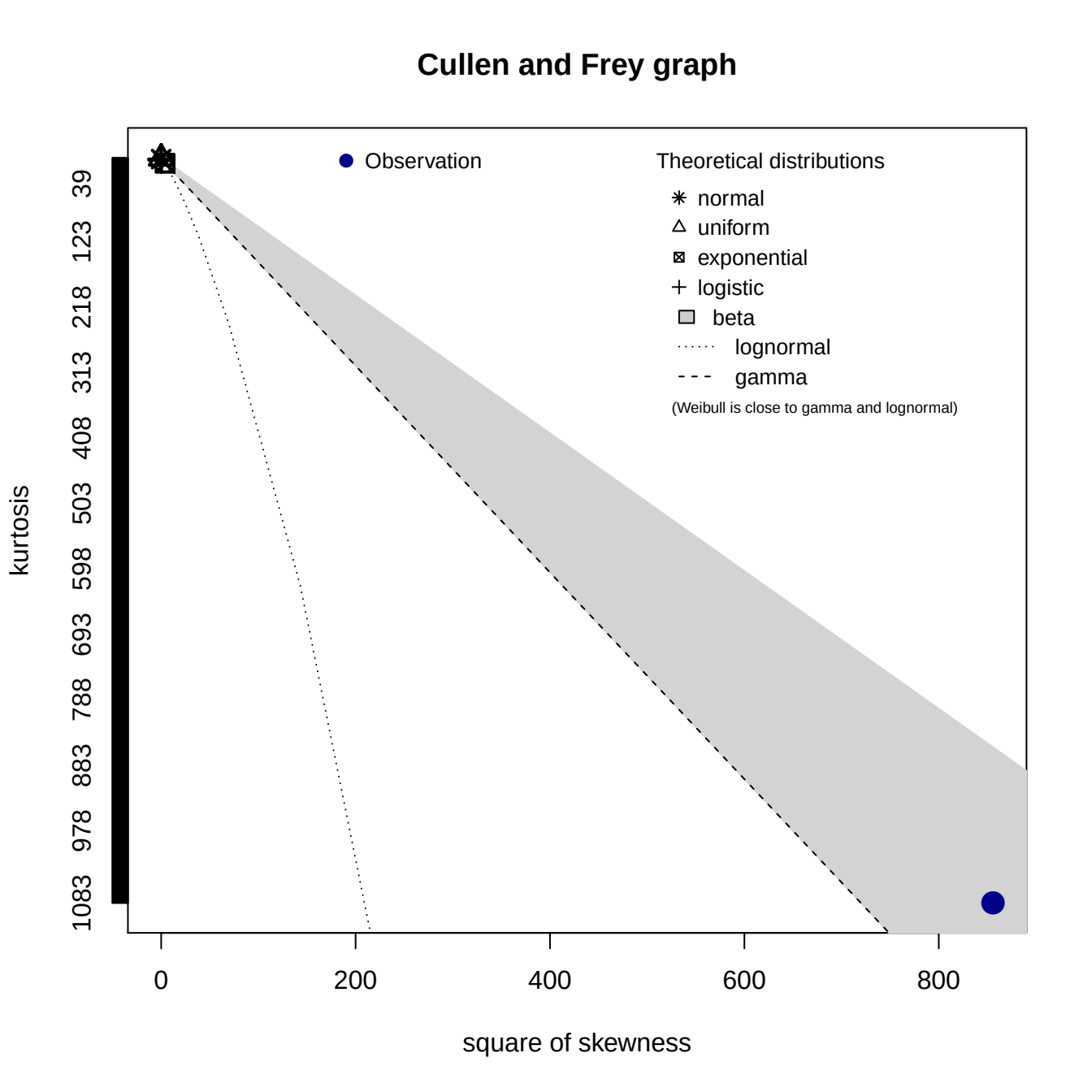

Histogram and theoretical densities
lnorm
Density
0.000
0.010
0.020
0
100
200
300
400
500
data

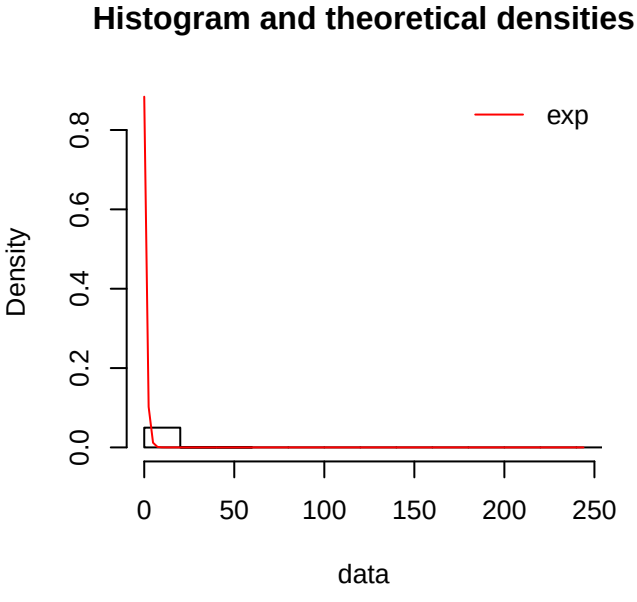

Empirical and theoretical CDFs
CDF
0.0
0.2
0.4
0.6
0.8
1.0
lnorm
0
100
200
300
400
500
data

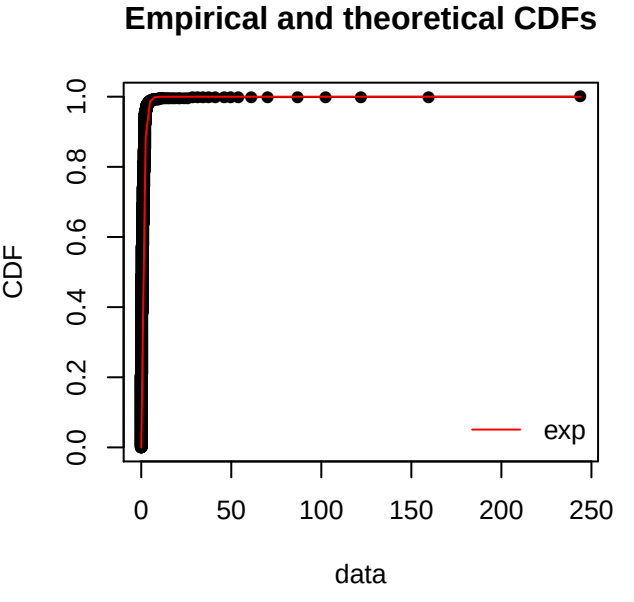

Q−Q plot
Empirical quantiles
0
100
300
500
lnorm
0
10000
30000
50000
Theoretical quantiles

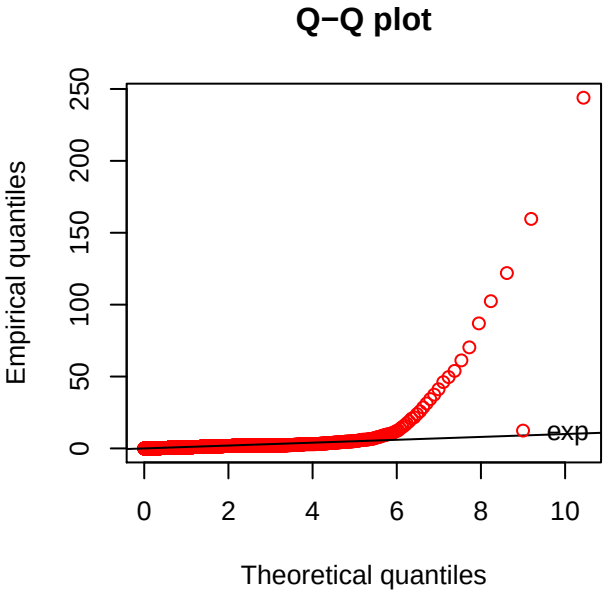

df_file1_q7$X
0
50
100
150
200
250
0
1000
2000
3000
4000
5000
Index

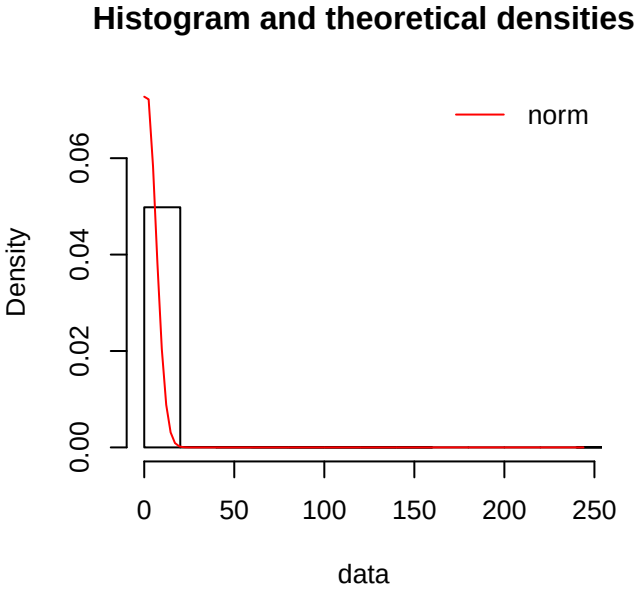

Empirical density
Density
0.00
0.01
0.02
0.03
0.04
0.05
0
50
100
200
Data
Cumulative distribution
CDF
0.0
0.2
0.4
0.6
0.8
1.0
0
50
100
200
Data

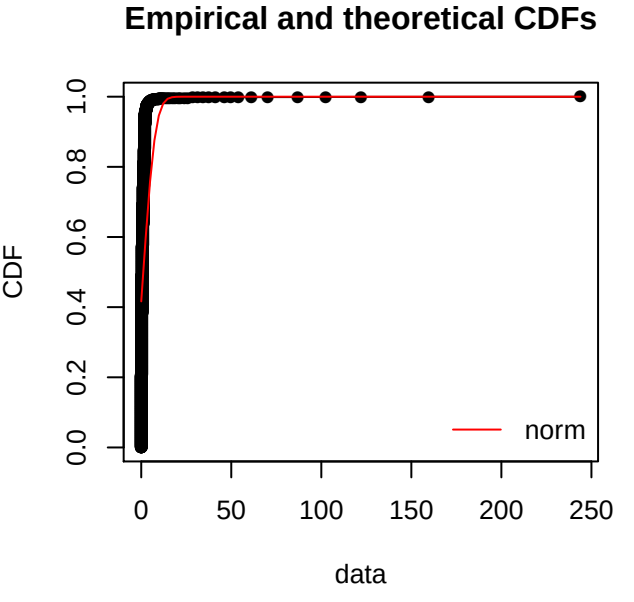

Cullen and Frey graph
Observation
Theoretical distributions
normal
uniform
exponential
logistic
beta
lognormal
gamma
(Weibull is close to gamma and lognormal)
kurtosis
1083
978
883
788
693
598
503
408
313
218
123
39
0
200
400
600
800
square of skewness

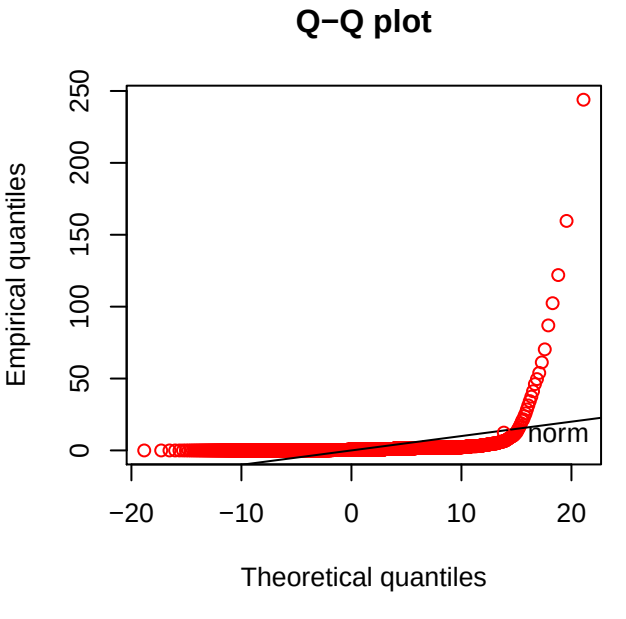

Histogram and theoretical densities
Density
0.0
0.2
0.4
0.6
0.8
exp
0
50
100
150
200
250
data

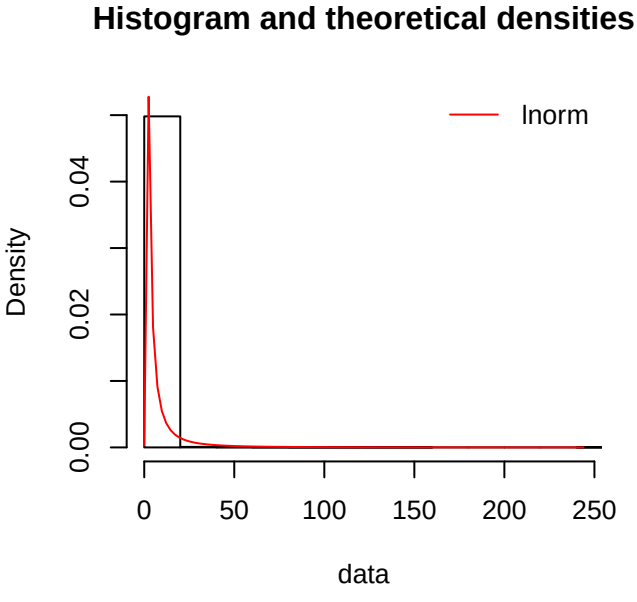

Empirical and theoretical CDFs
CDF
0.0
0.2
0.4
0.6
0.8
1.0
exp
0
50
100
150
200
250
data

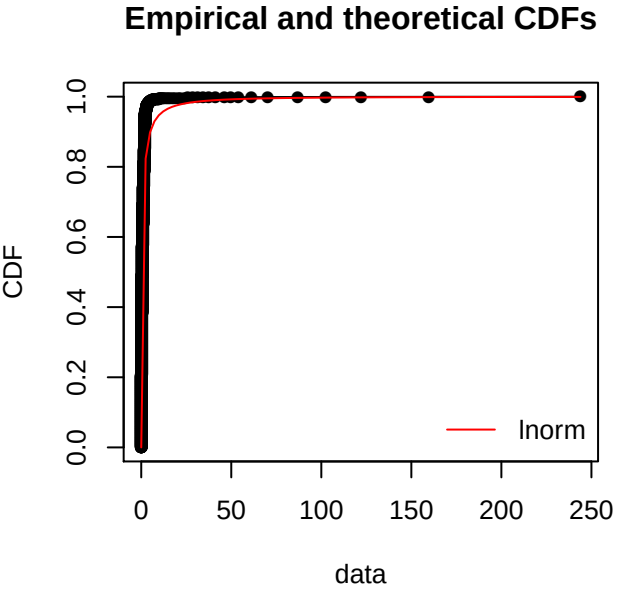

Q−Q plot
Empirical quantiles
0
50
100
150
200
250
exp
0
2
4
6
8
10
Theoretical quantiles

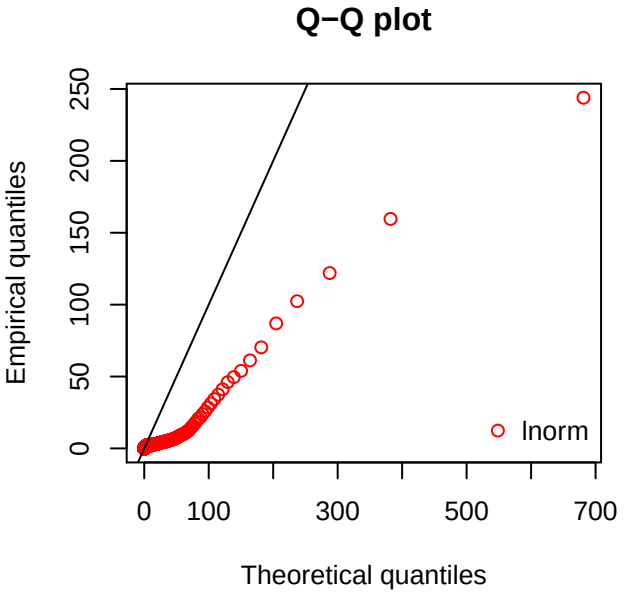

Histogram and theoretical densities
norm
Density
0.00
0.02
0.04
0.06
0
50
100
150
200
250
data

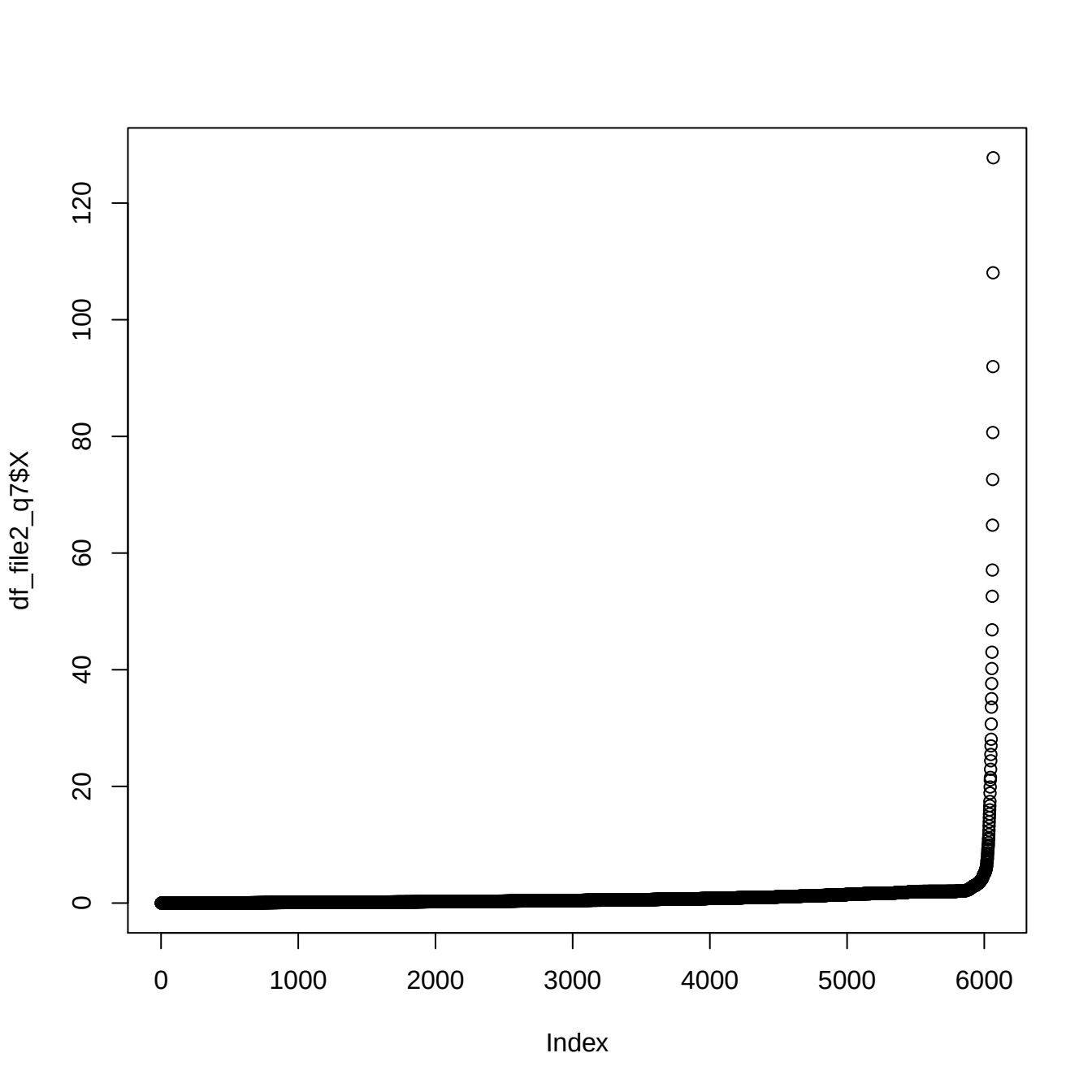

Empirical and theoretical CDFs
CDF
0.0
0.2
0.4
0.6
0.8
1.0
norm
0
50
100
150
200
250
data

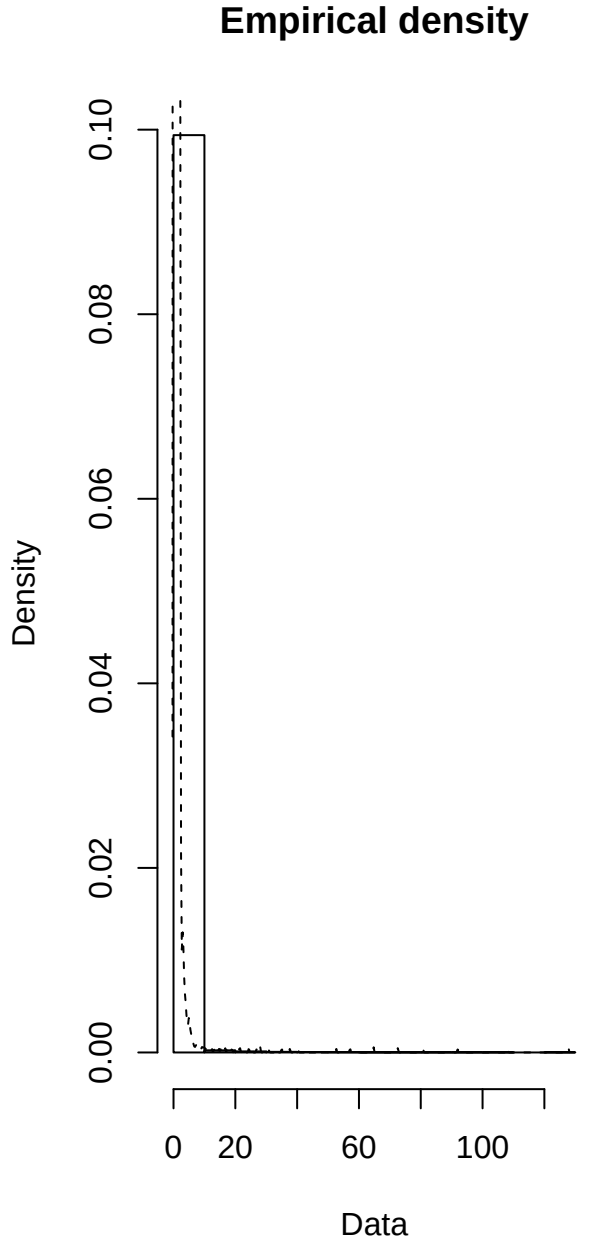

Q−Q plot
Empirical quantiles
0
50
100
150
200
250
norm
−20
−10
0
10
20
Theoretical quantiles

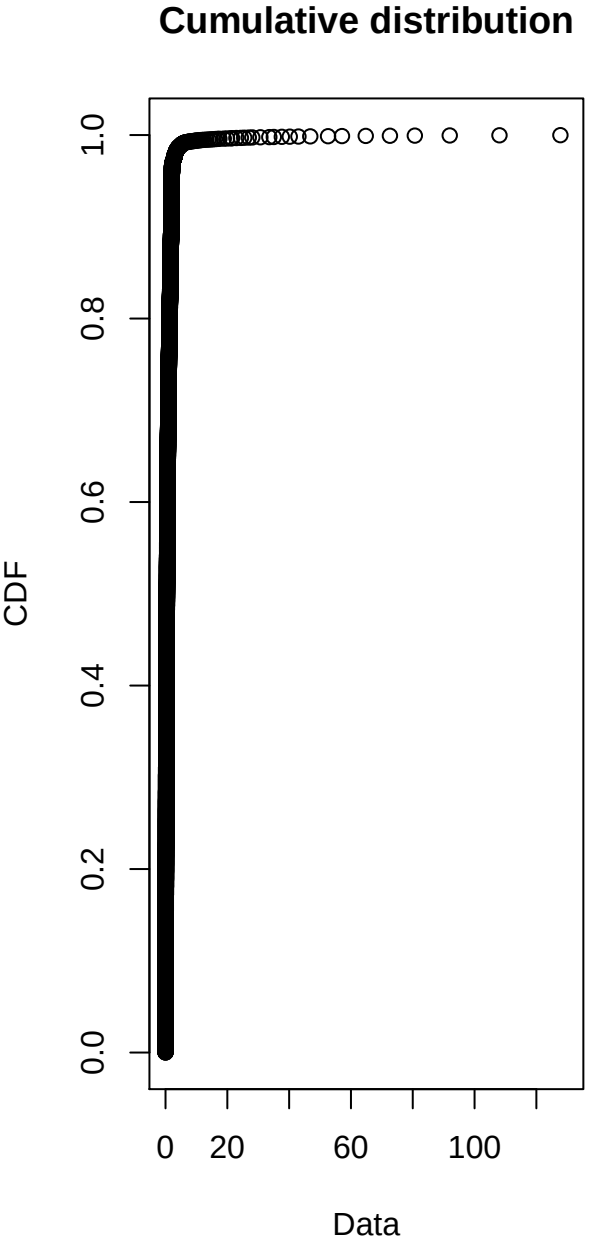

Histogram and theoretical densities
lnorm
Density
0.00
0.02
0.04
0
50
100
150
200
250
data

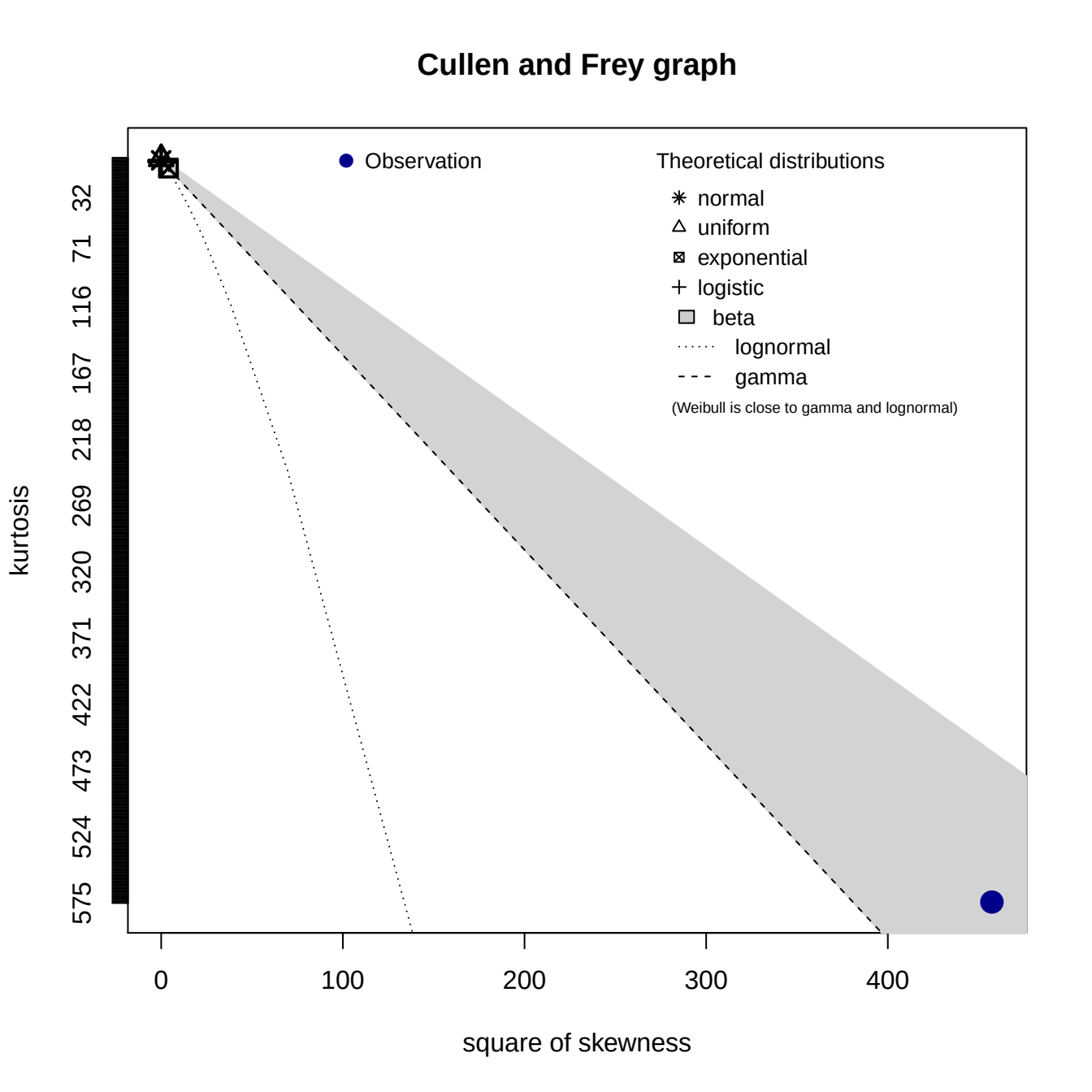

Empirical and theoretical CDFs
lnorm
CDF
0.0
0.2
0.4
0.6
0.8
1.0
0
50
100
150
200
250
data

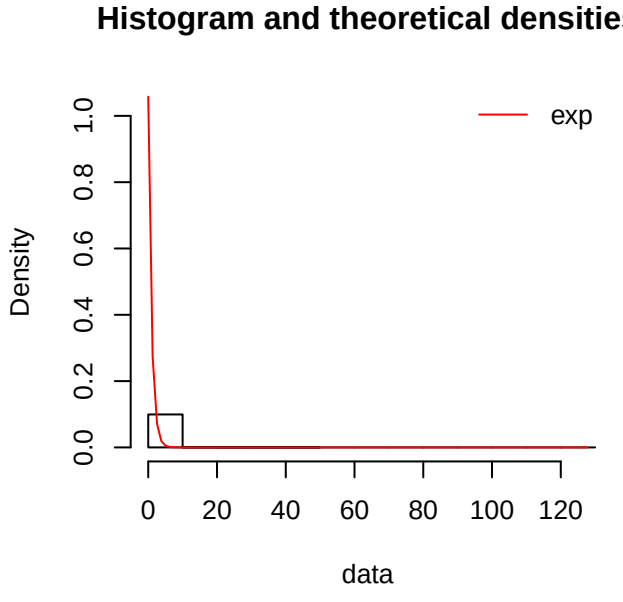

Q−Q plot
lnorm
Empirical quantiles
0
50
100
150
200
250
0
100
300
500
700
Theoretical quantiles

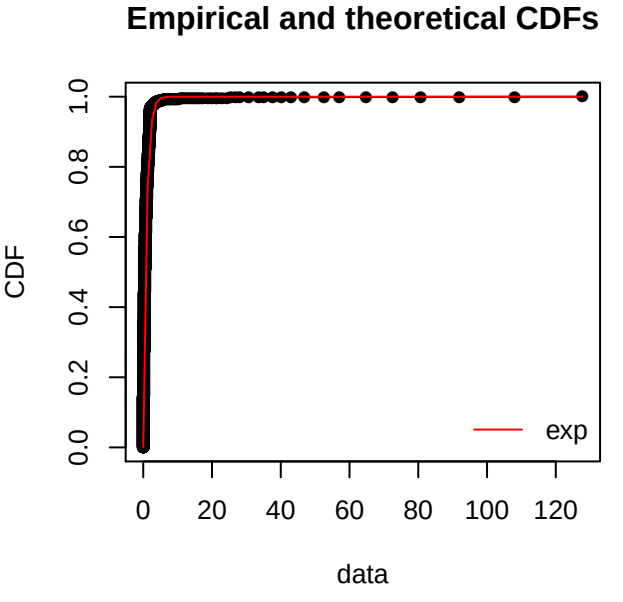

df_file2_q7$X
0
20
40
60
80
100
120
0
1000
2000
3000
4000
5000
6000
Index

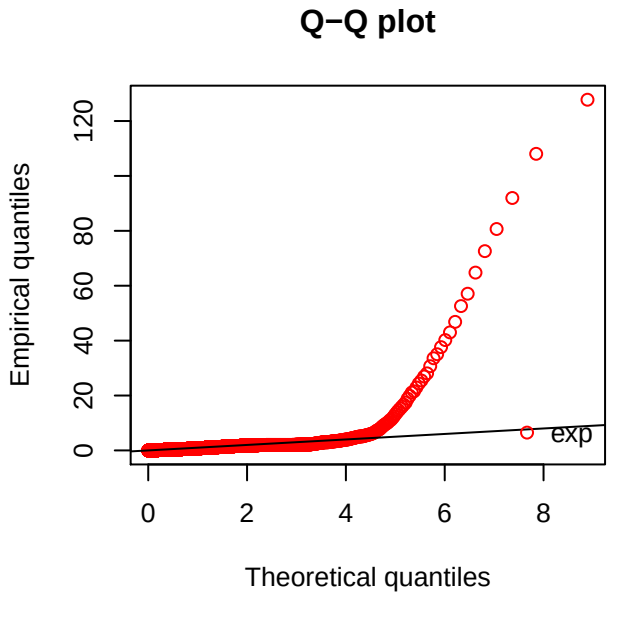

Empirical density
Density
0.00
0.02
0.04
0.06
0.08
0.10
0
20
60
100
Data

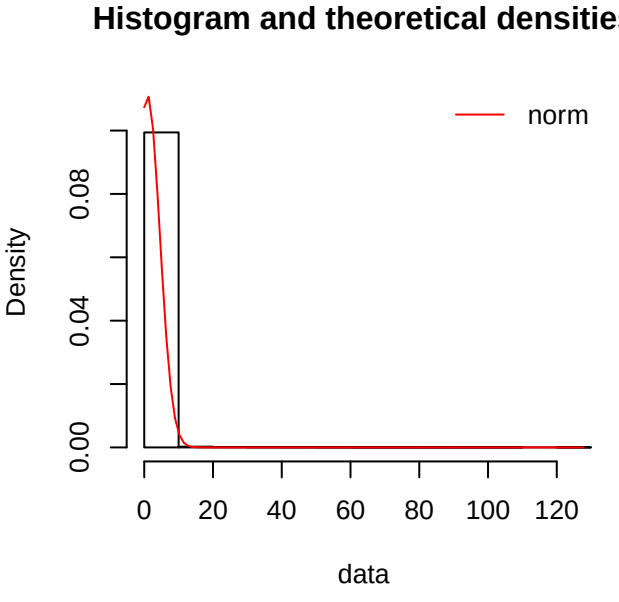

Cumulative distribution
CDF
0.0
0.2
0.4
0.6
0.8
1.0
0
20
60
100
Data

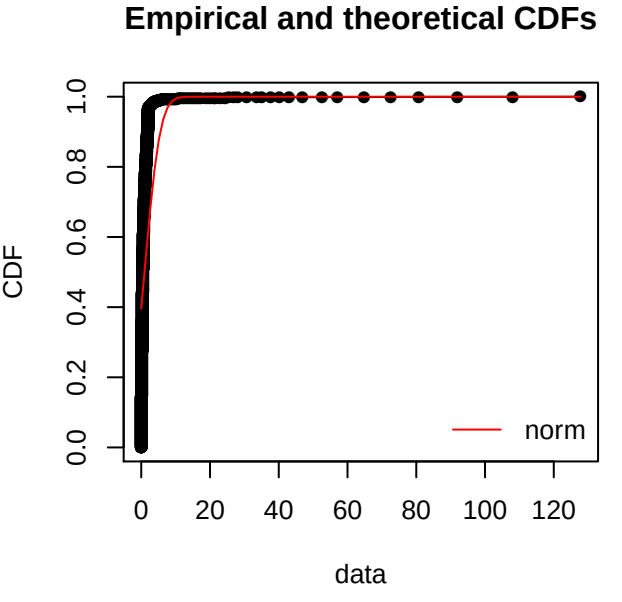

Cullen and Frey graph
Observation
Theoretical distributions
normal
uniform
exponential
logistic
beta
lognormal
gamma
(Weibull is close to gamma and lognormal)
kurtosis
32
71
116
167
218
269
320
371
422
473
524
575
0
100
200
300
400
square of skewness

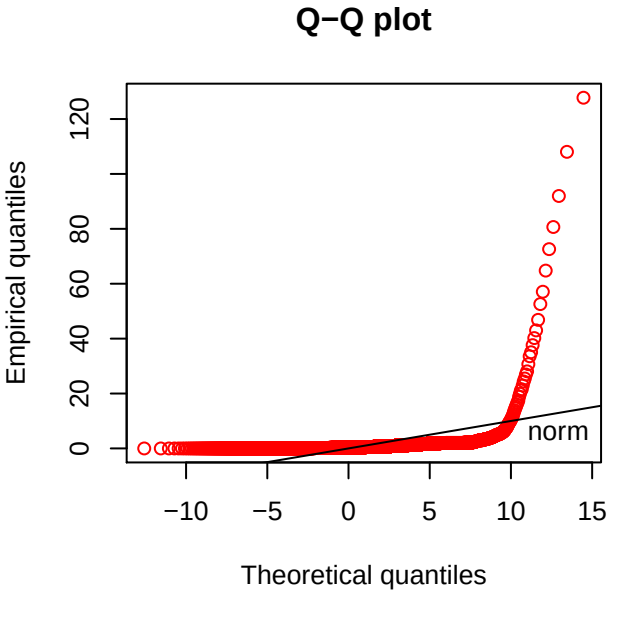

Histogram and theoretical densities
Density
data
exp
0.0
0.2
0.4
0.6
0.8
1.0
0
20
40
60
80
100
120

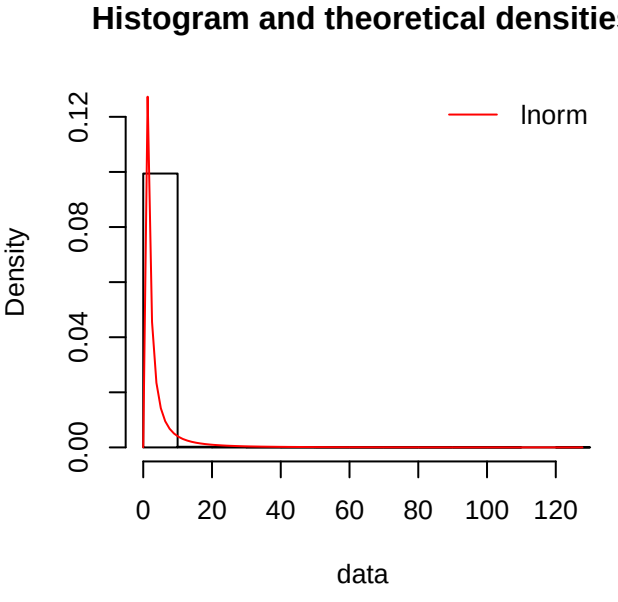

Empirical and theoretical CDFs
CDF
data
exp
0.0
0.2
0.4
0.6
0.8
1.0
0
20
40
60
80
100
120

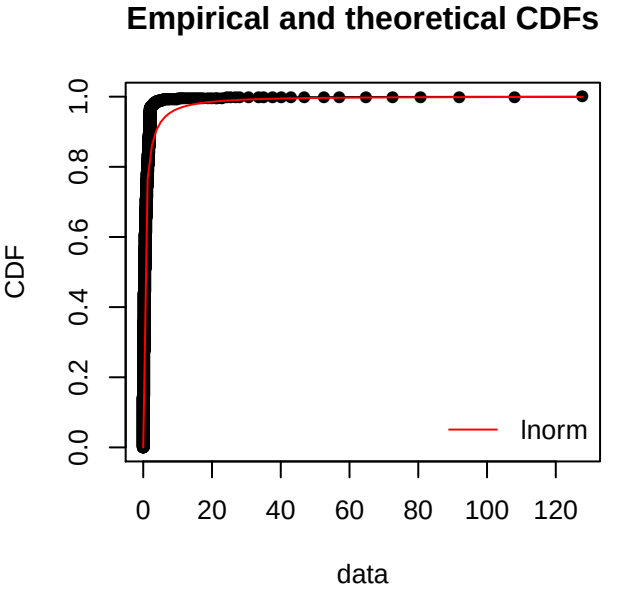

Q−Q plot
Empirical quantiles
Theoretical quantiles
exp
0
20
40
60
80
120
0
2
4
6
8

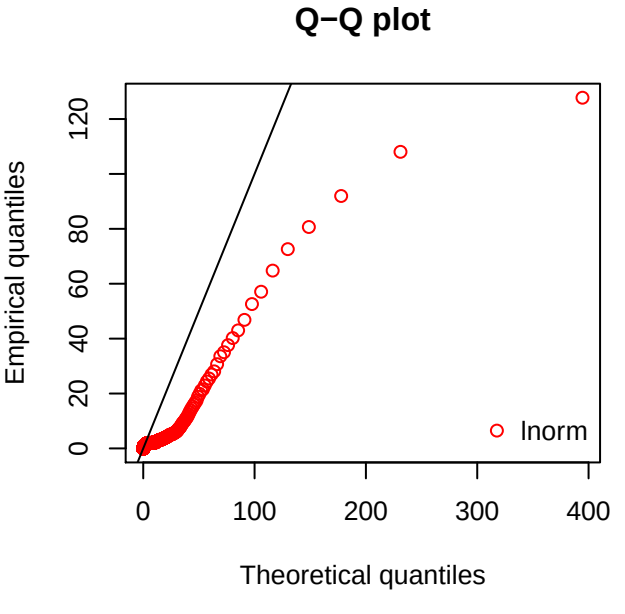

Histogram and theoretical densities
norm
Density
0.00
0.04
0.08
0
20
40
60
80
100
120
data

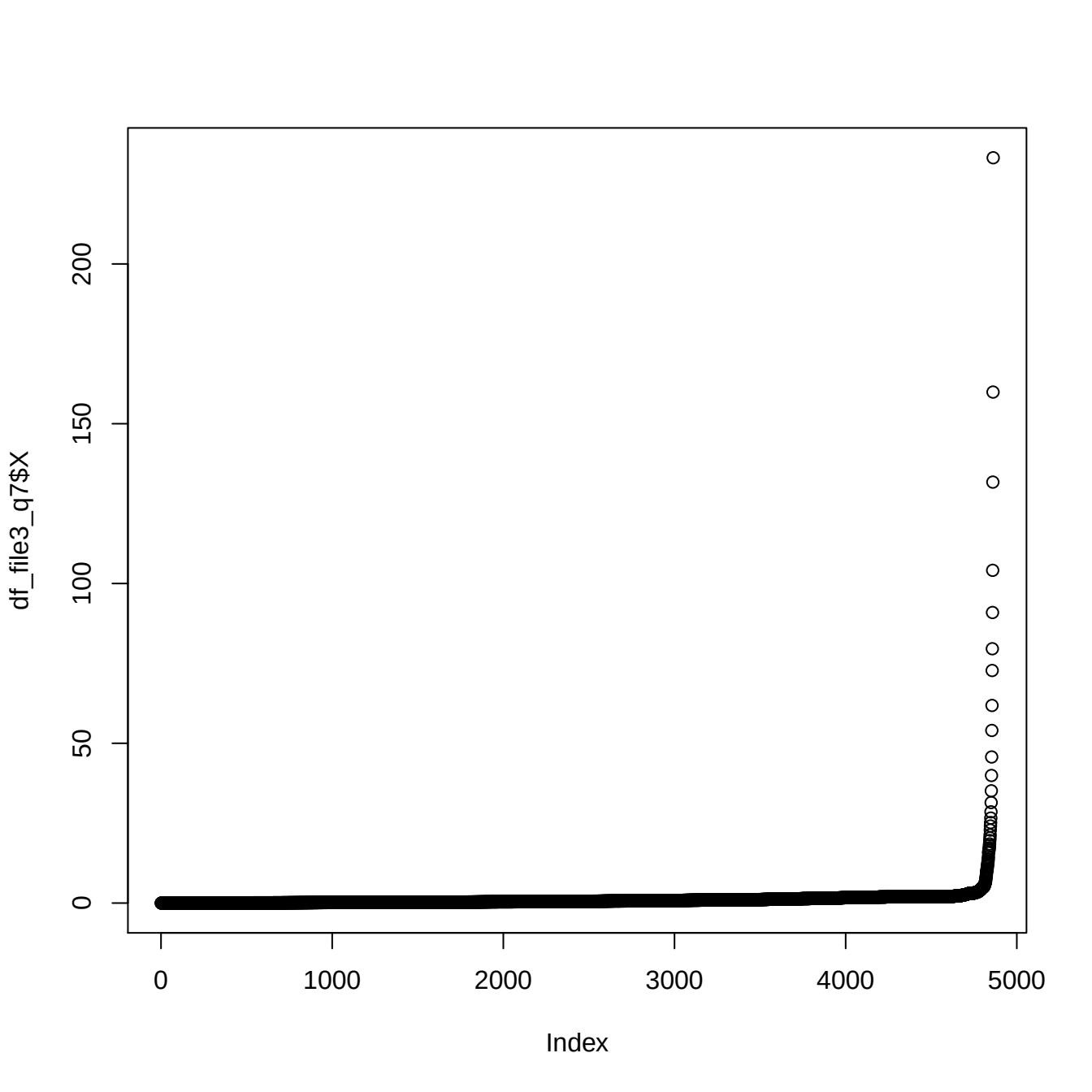

Empirical and theoretical CDFs
CDF
0.0
0.2
0.4
0.6
0.8
1.0
norm
0
20
40
60
80
100
120
data

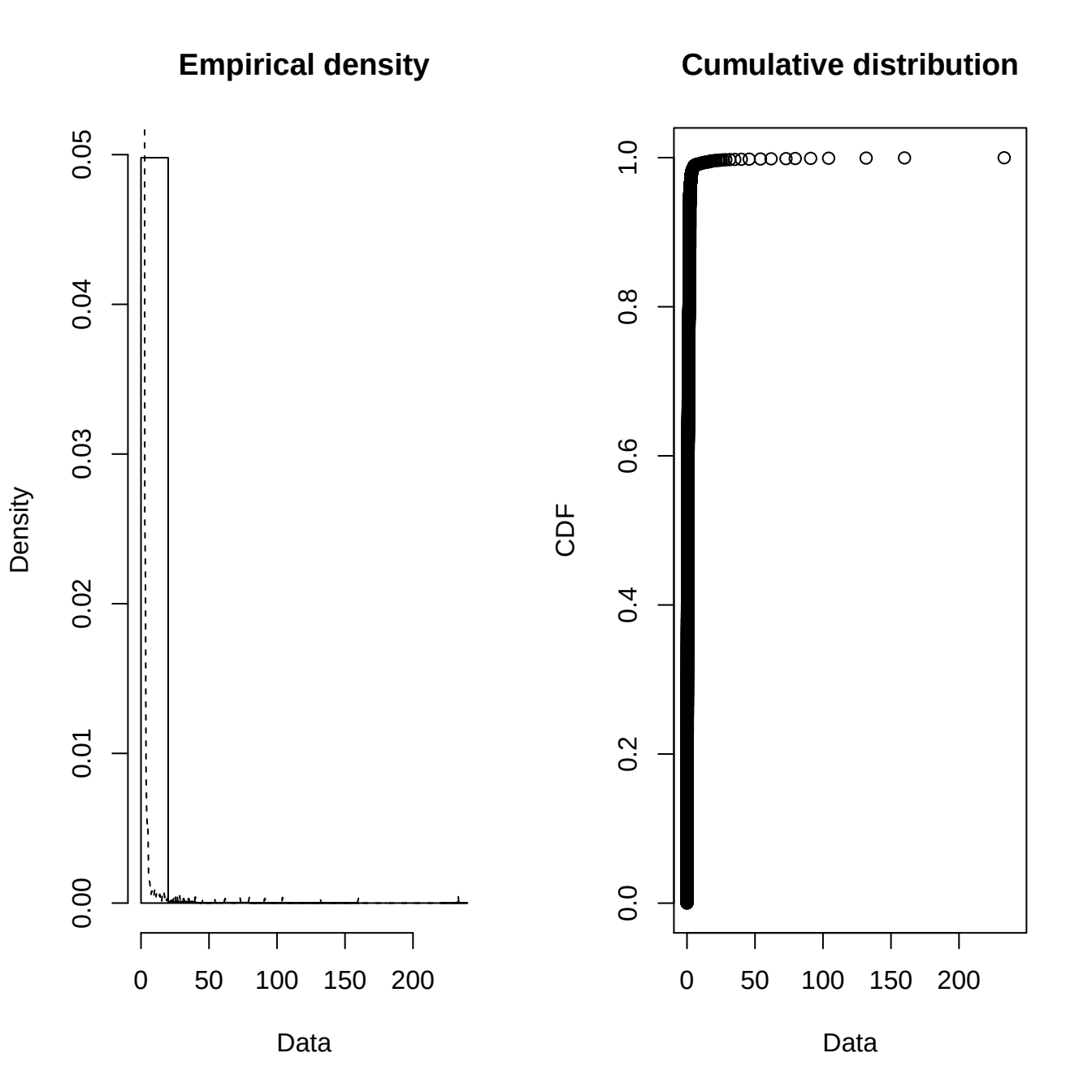

Q−Q plot
Empirical quantiles
0
20
40
60
80
120
norm
−10
−5
0
5
10
15
Theoretical quantiles

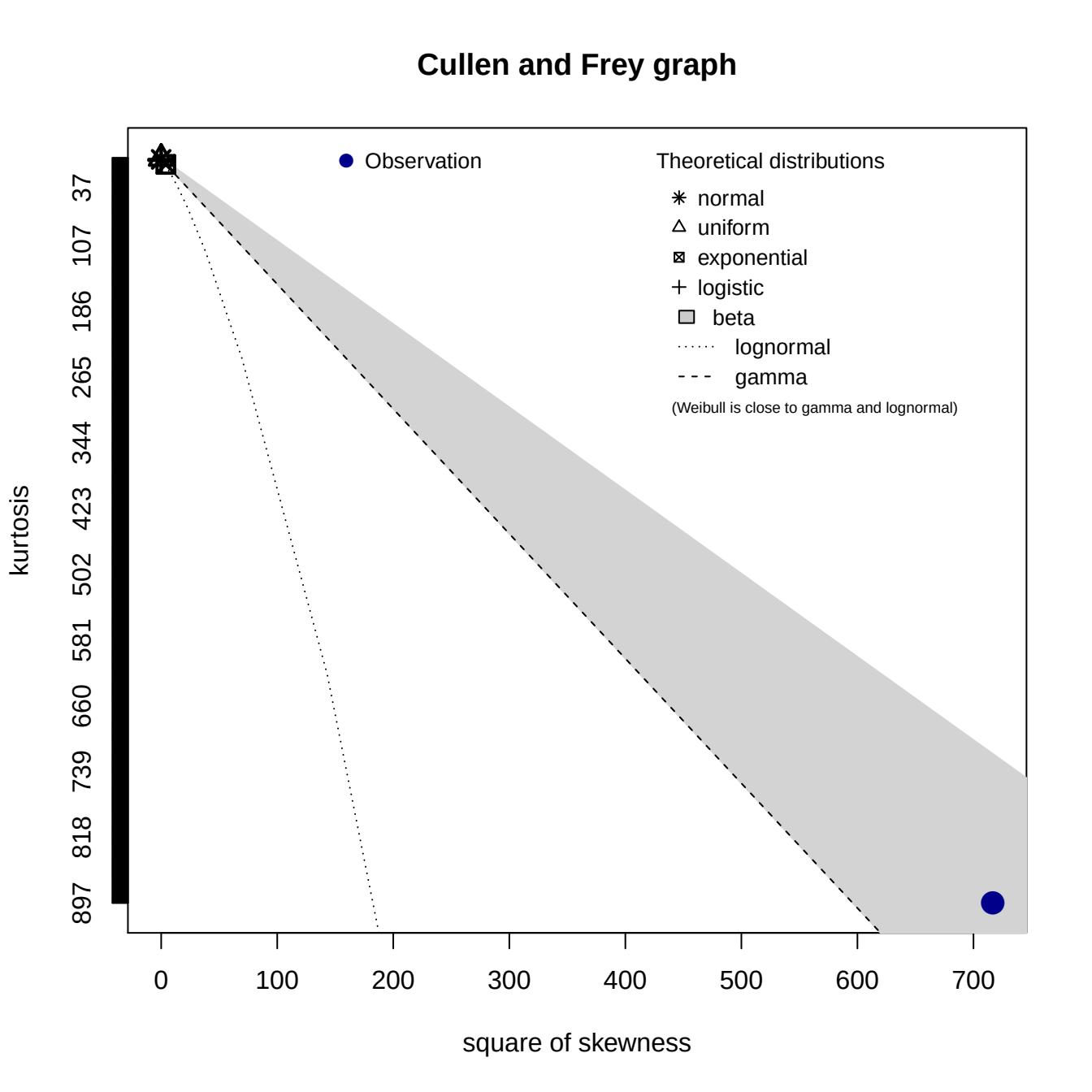

Histogram and theoretical densities
Density
0.00
0.04
0.08
0.12
lnorm
0
20
40
60
80
100
120
data

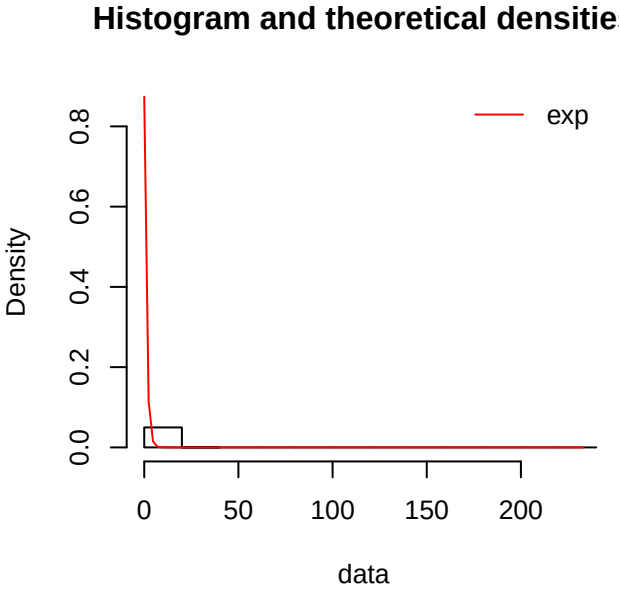

Empirical and theoretical CDFs
CDF
0.0
0.2
0.4
0.6
0.8
1.0
lnorm
0
20
40
60
80
100
120
data

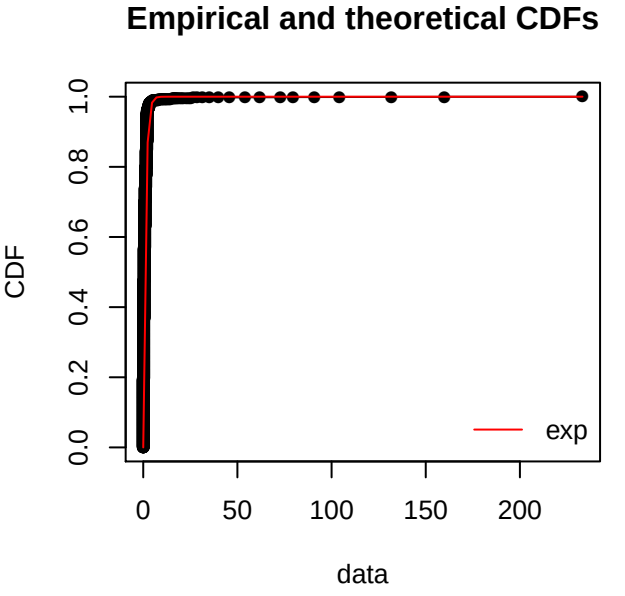

Q−Q plot
Empirical quantiles
0
20
40
60
80
120
lnorm
0
100
200
300
400
Theoretical quantiles

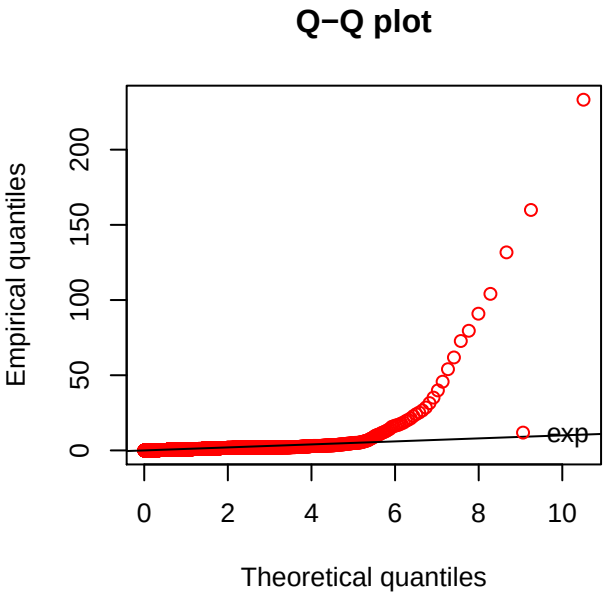

df_file3_q7$X
0
50
100
150
200
0
1000
2000
3000
4000
5000
Index

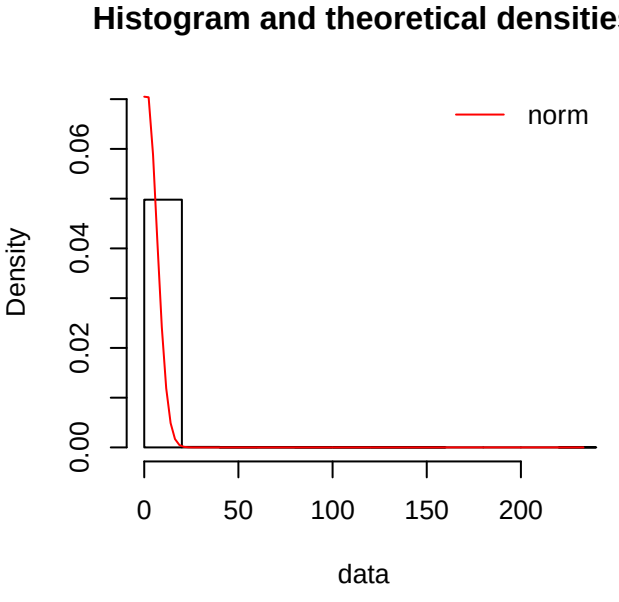

Empirical density
Density
0.00
0.01
0.02
0.03
0.04
0.05
0
50
100
150
200
Data
Cumulative distribution
CDF
0.0
0.2
0.4
0.6
0.8
1.0
0
50
100
150
200
Data

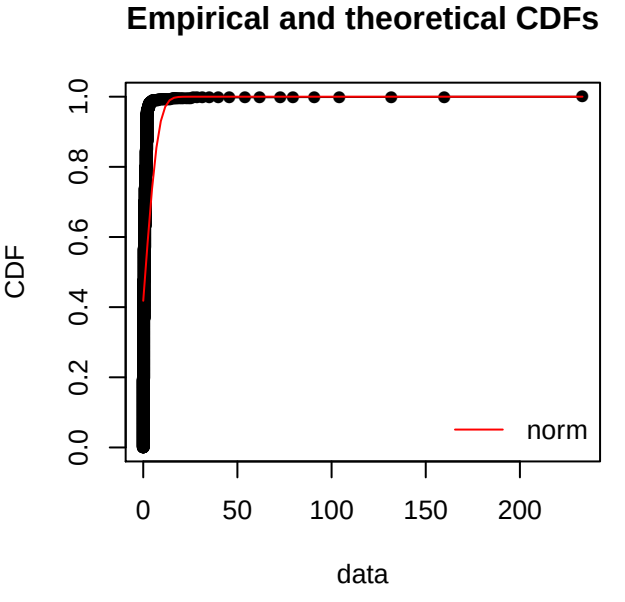

Cullen and Frey graph
Observation
Theoretical distributions
normal
uniform
exponential
logistic
beta
lognormal
gamma
(Weibull is close to gamma and lognormal)
kurtosis
37
107
186
265
344
423
502
581
660
739
818
897
0
100
200
300
400
500
600
700
square of skewness

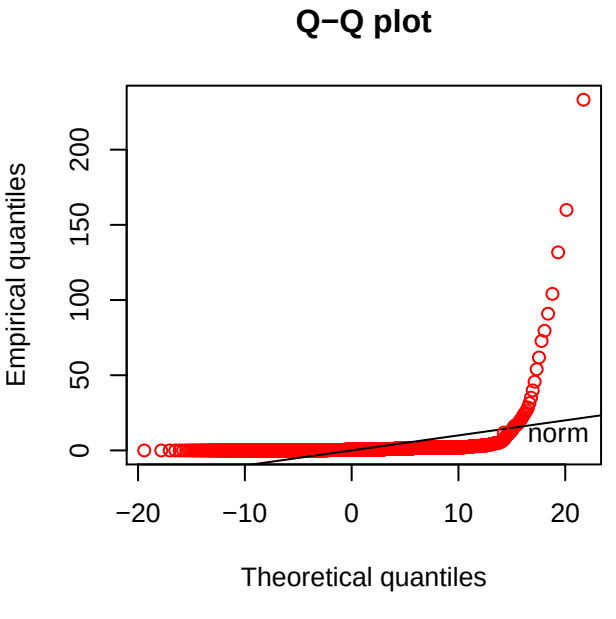

Histogram and theoretical densities
Density
0.0
0.2
0.4
0.6
0.8
exp
0
50
100
150
200
data

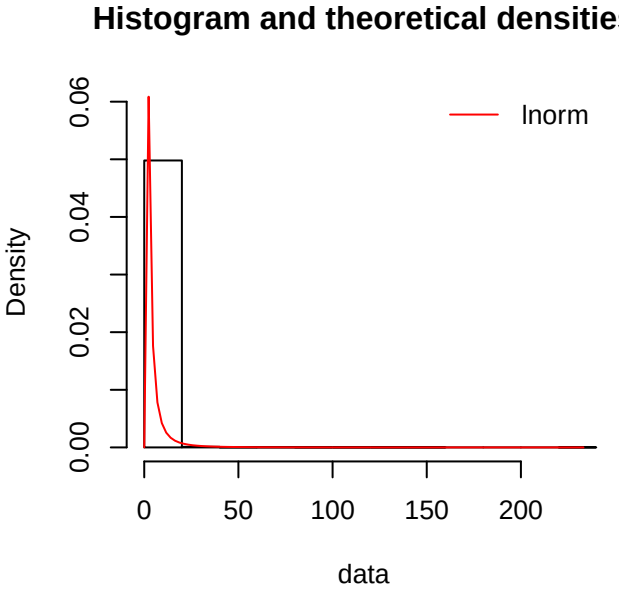

Empirical and theoretical CDFs
CDF
0.0
0.2
0.4
0.6
0.8
1.0
exp
0
50
100
150
200
data

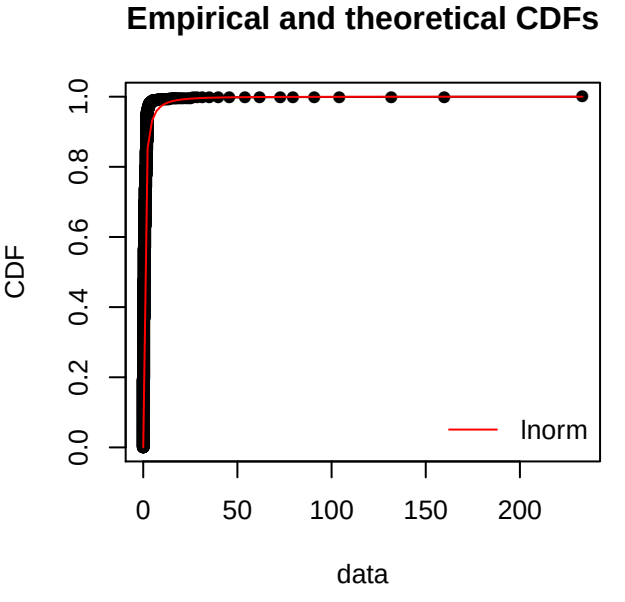

Q−Q plot
Empirical quantiles
0
50
100
150
200
exp
0
2
4
6
8
10
Theoretical quantiles

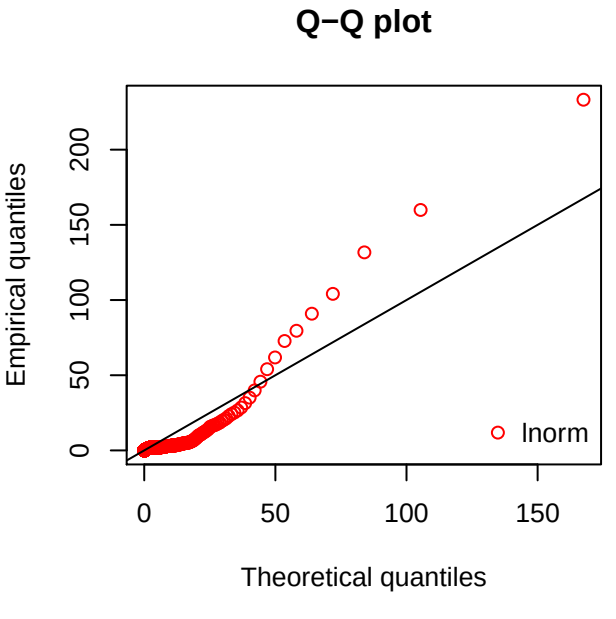

Histogram and theoretical densities
Density
0.00
0.02
0.04
0.06
norm
0
50
100
150
200
data


Empirical and theoretical CDFs
CDF
0.0
0.2
0.4
0.6
0.8
1.0
norm
0
50
100
150
200
data


Q−Q plot
Empirical quantiles
0
50
100
150
200
norm
−20
−10
0
10
20
Theoretical quantiles


Histogram and theoretical densities
Density
0.00
0.02
0.04
0.06
lnorm
0
50
100
150
200
data


Empirical and theoretical CDFs
CDF
0.0
0.2
0.4
0.6
0.8
1.0
lnorm
0
50
100
150
200
data


Q−Q plot
Empirical quantiles
0
50
100
150
200
lnorm
0
50
100
150
Theoretical quantiles