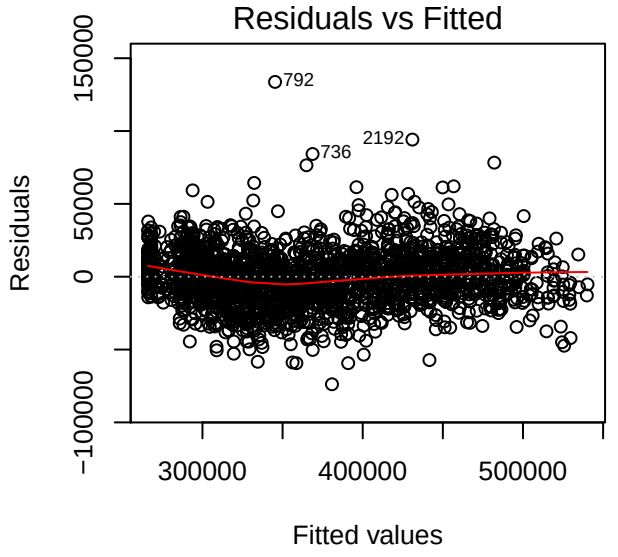
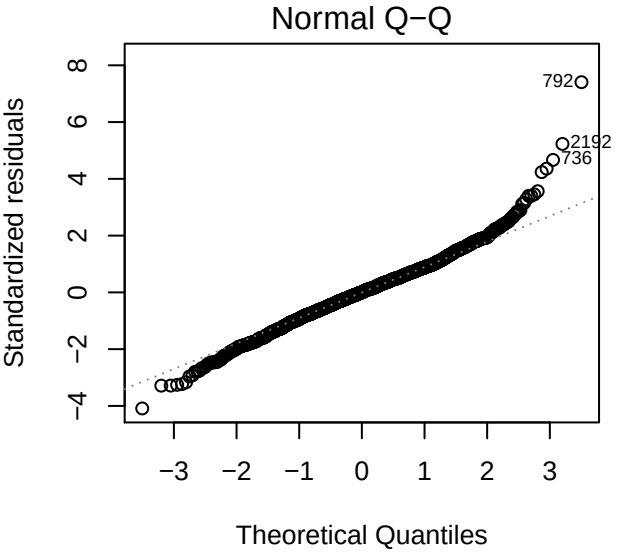
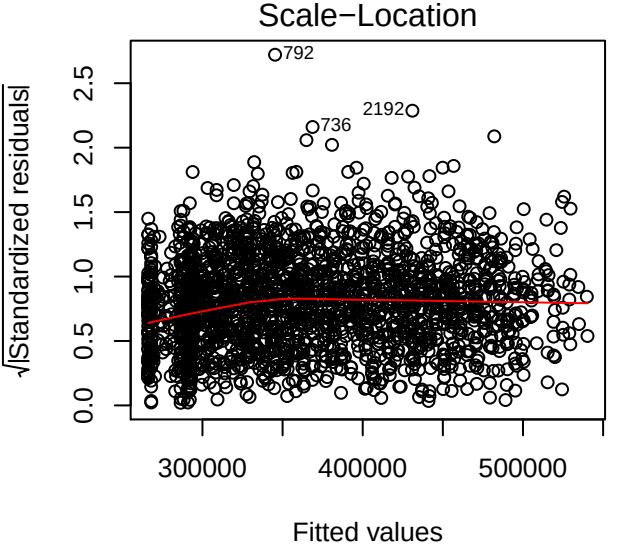
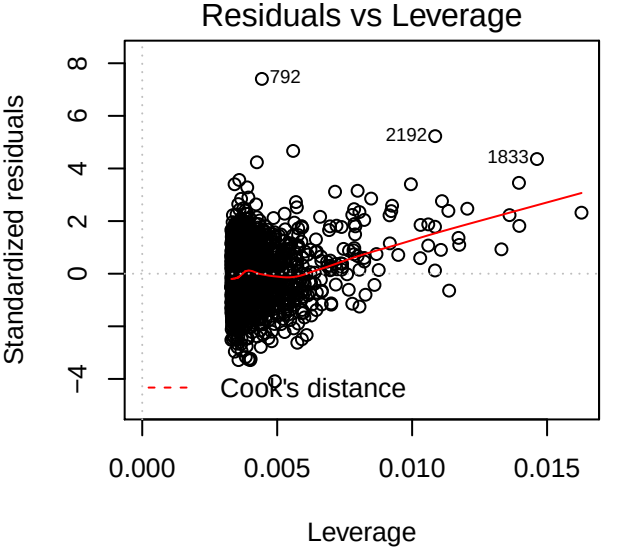
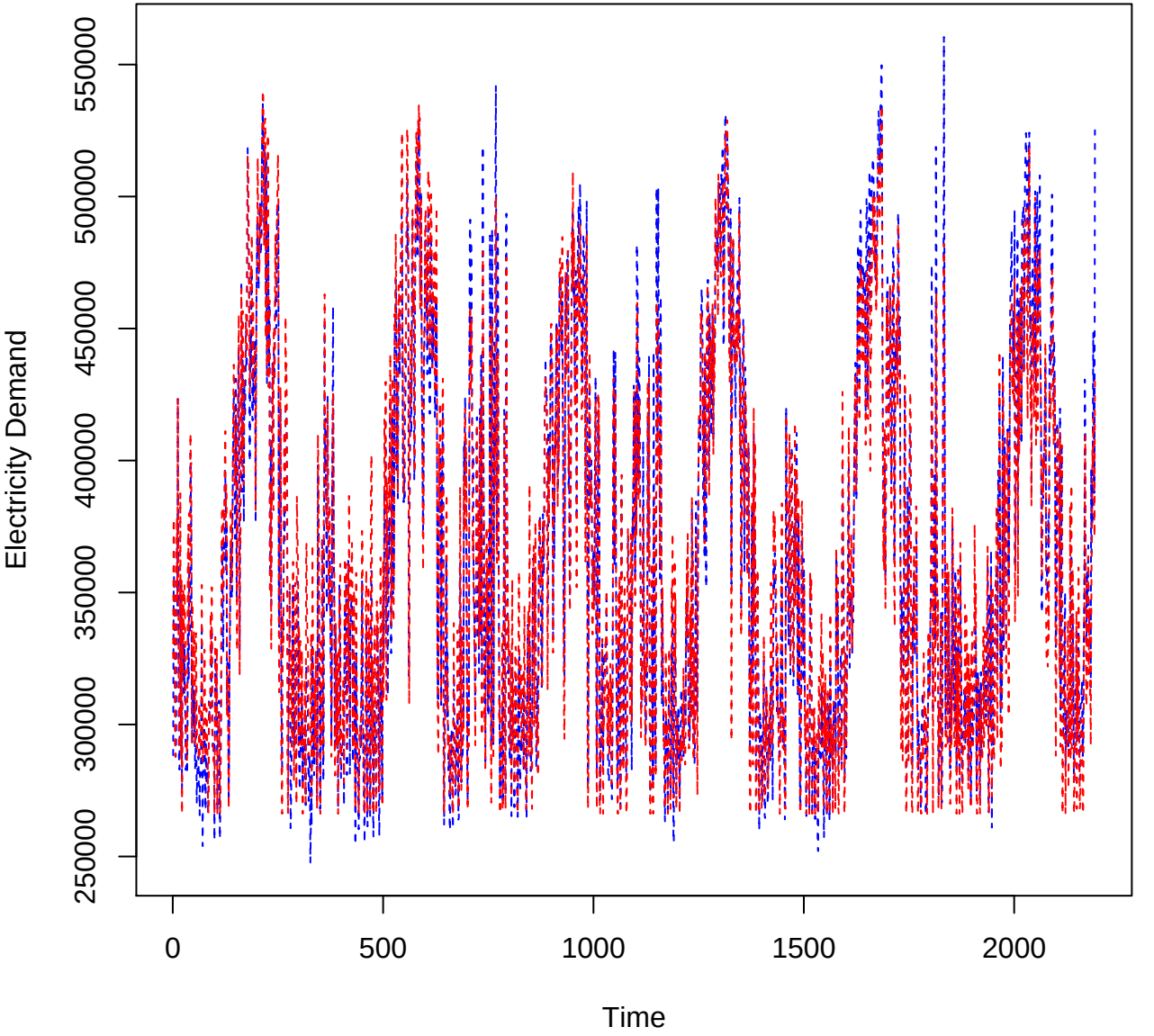
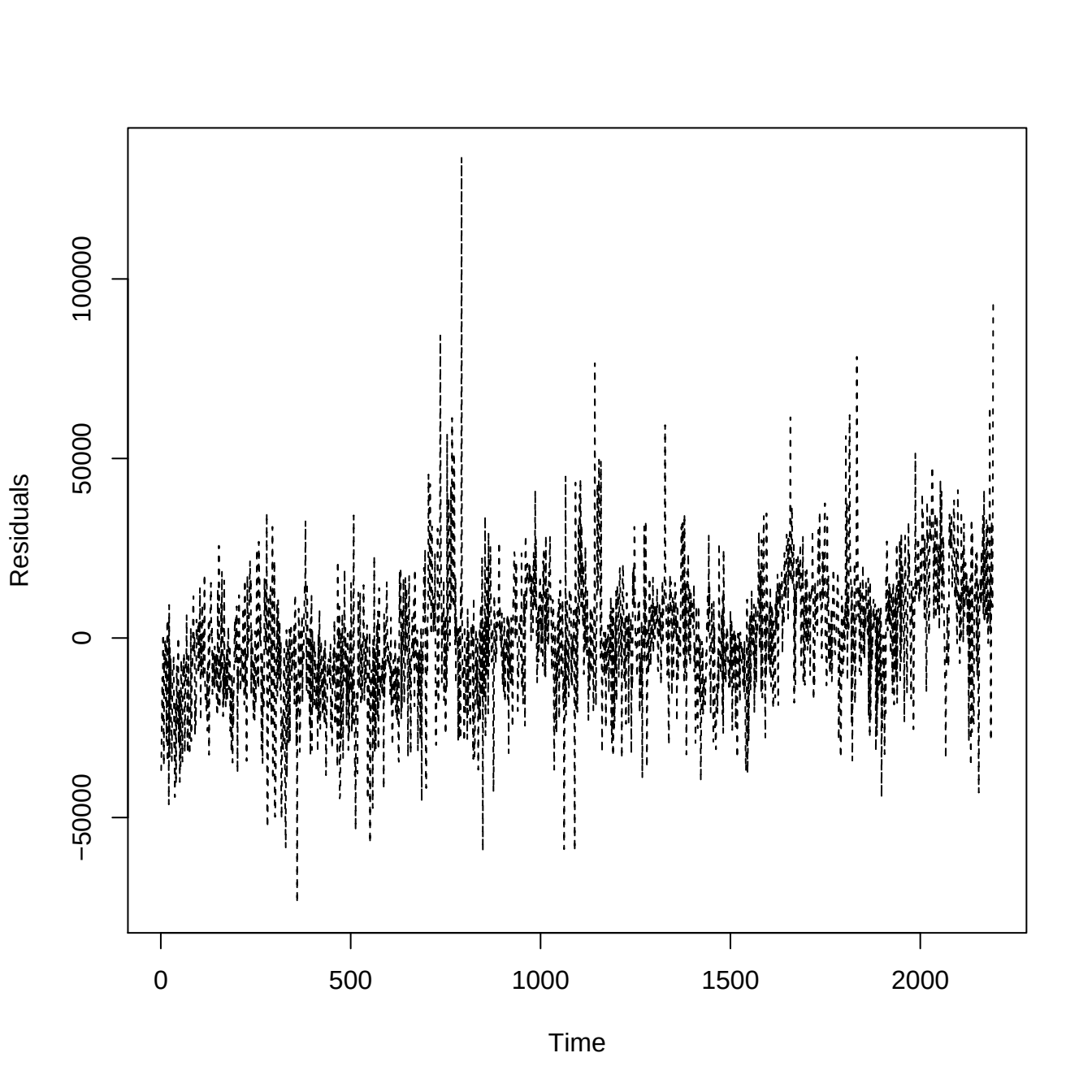

Residuals vs Fitted
Residuals
Fitted values
792
2192
736
150000
50000
0
−100000
300000
400000
500000

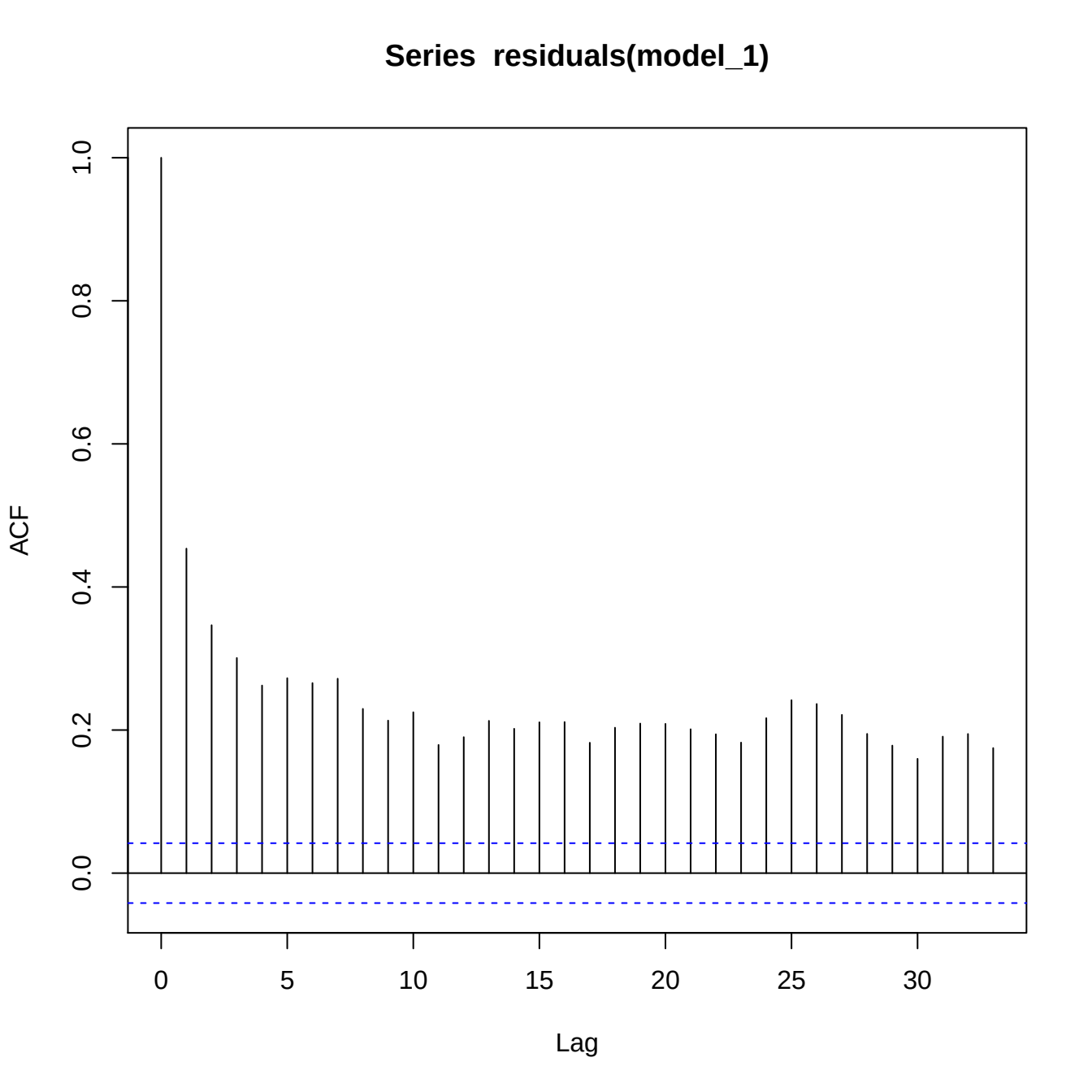

Normal Q−Q
Standardized residuals
Theoretical Quantiles
792
2192
736
8
6
4
2
0
−2
−4
−3
−2
−1
0
1
2
3

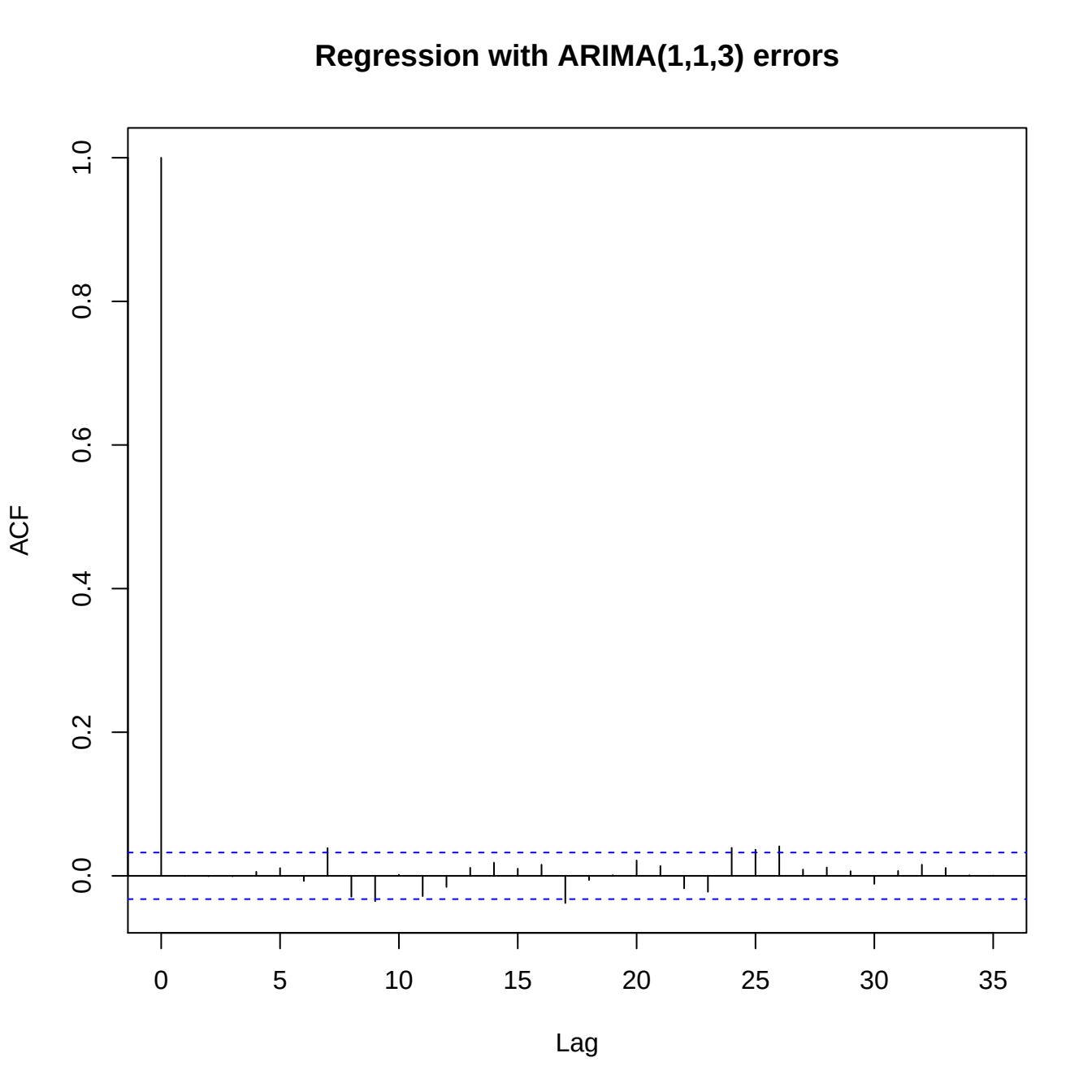

Scale−Location
√|Standardized residuals|
Fitted values
792
2192
736
2.5
2.0
1.5
1.0
0.5
0.0
300000
400000
500000

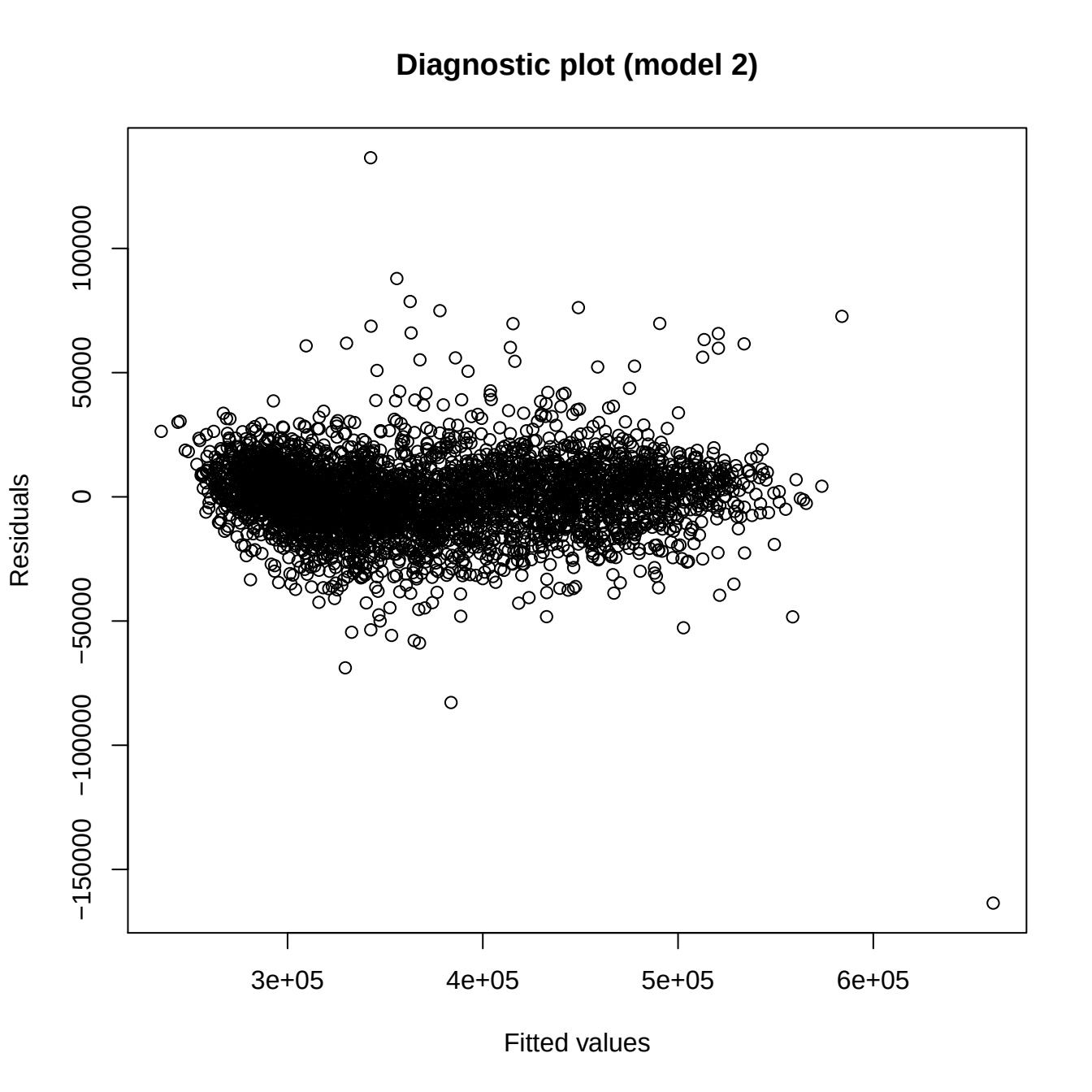

Residuals vs Leverage
Standardized residuals
Leverage
Cook's distance
792
2192
1833
8
6
4
2
0
−4
0.000
0.005
0.010
0.015

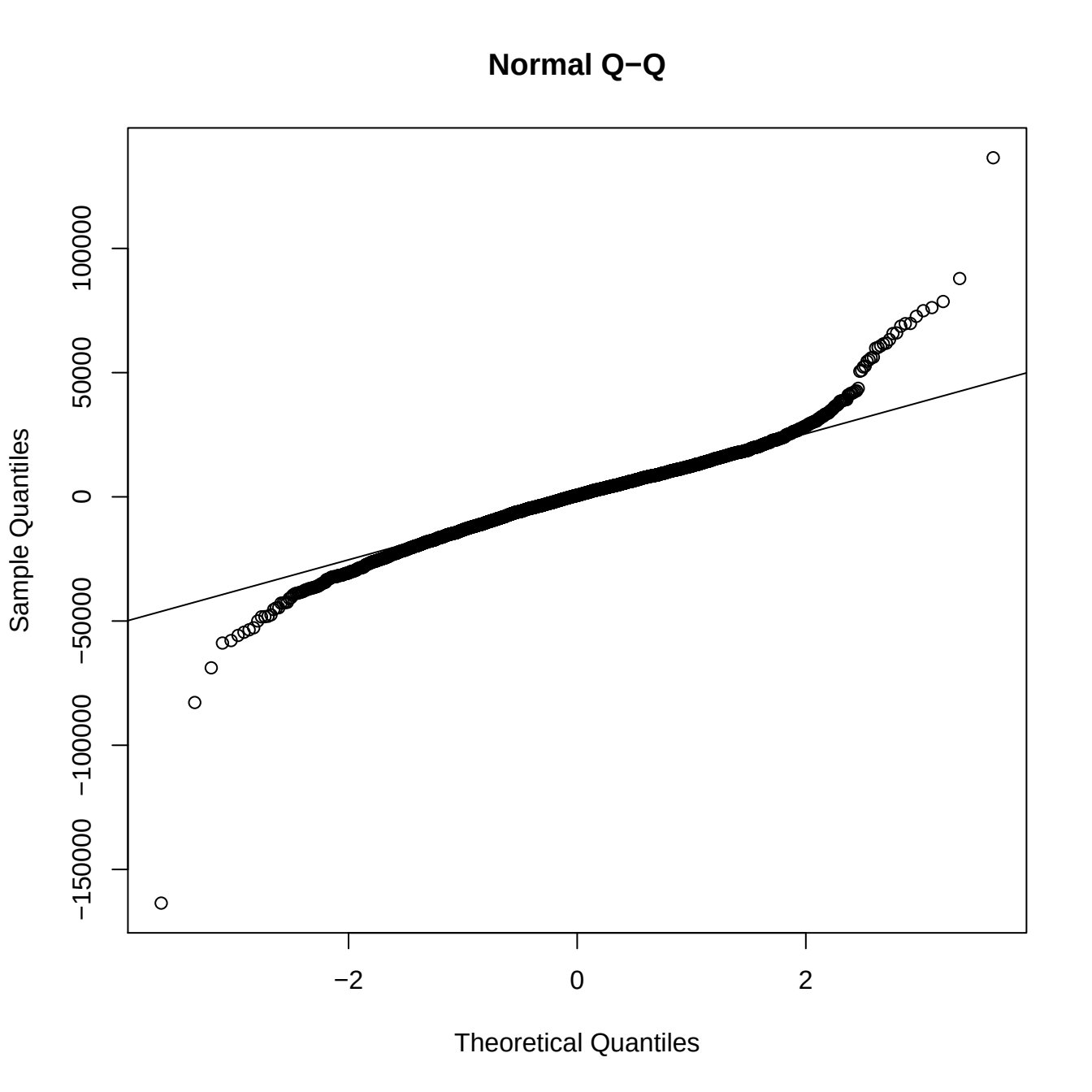

Electricity Demand
250000
300000
350000
400000
450000
500000
550000
0
500
1000
1500
2000
Time


Residuals
100000
50000
0
−50000
0
500
1000
1500
2000
Time


Series residuals(model_1)
ACF
1.0
0.8
0.6
0.4
0.2
0.0
0
5
10
15
20
25
30
Lag


Regression with ARIMA(1,1,3) errors
ACF
1.0
0.8
0.6
0.4
0.2
0.0
0
5
10
15
20
25
30
35
Lag


Diagnostic plot (model 2)
Residuals
100000
50000
0
−50000
−100000
−150000
3e+05
4e+05
5e+05
6e+05
Fitted values


Normal Q−Q
Sample Quantiles
Theoretical Quantiles
100000
50000
0
−50000
−100000
−150000
−2
0
2