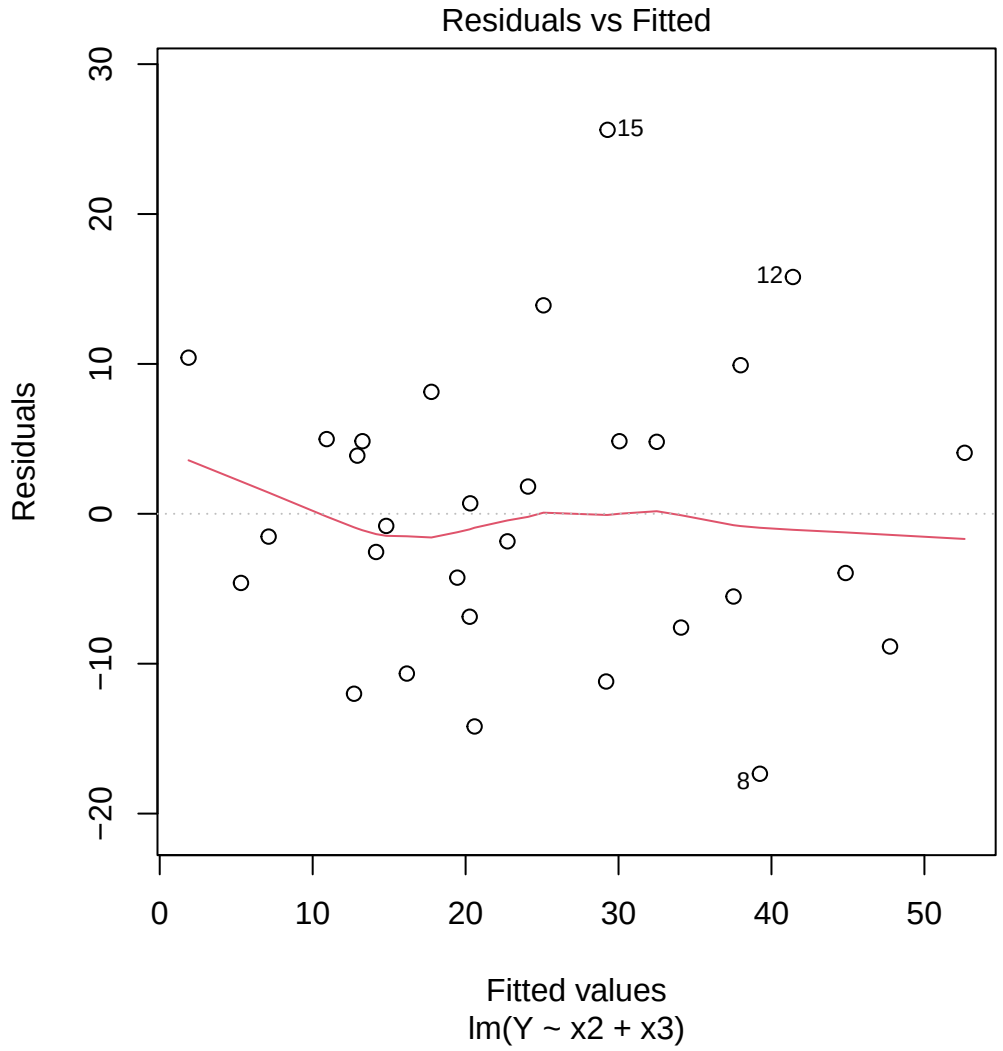
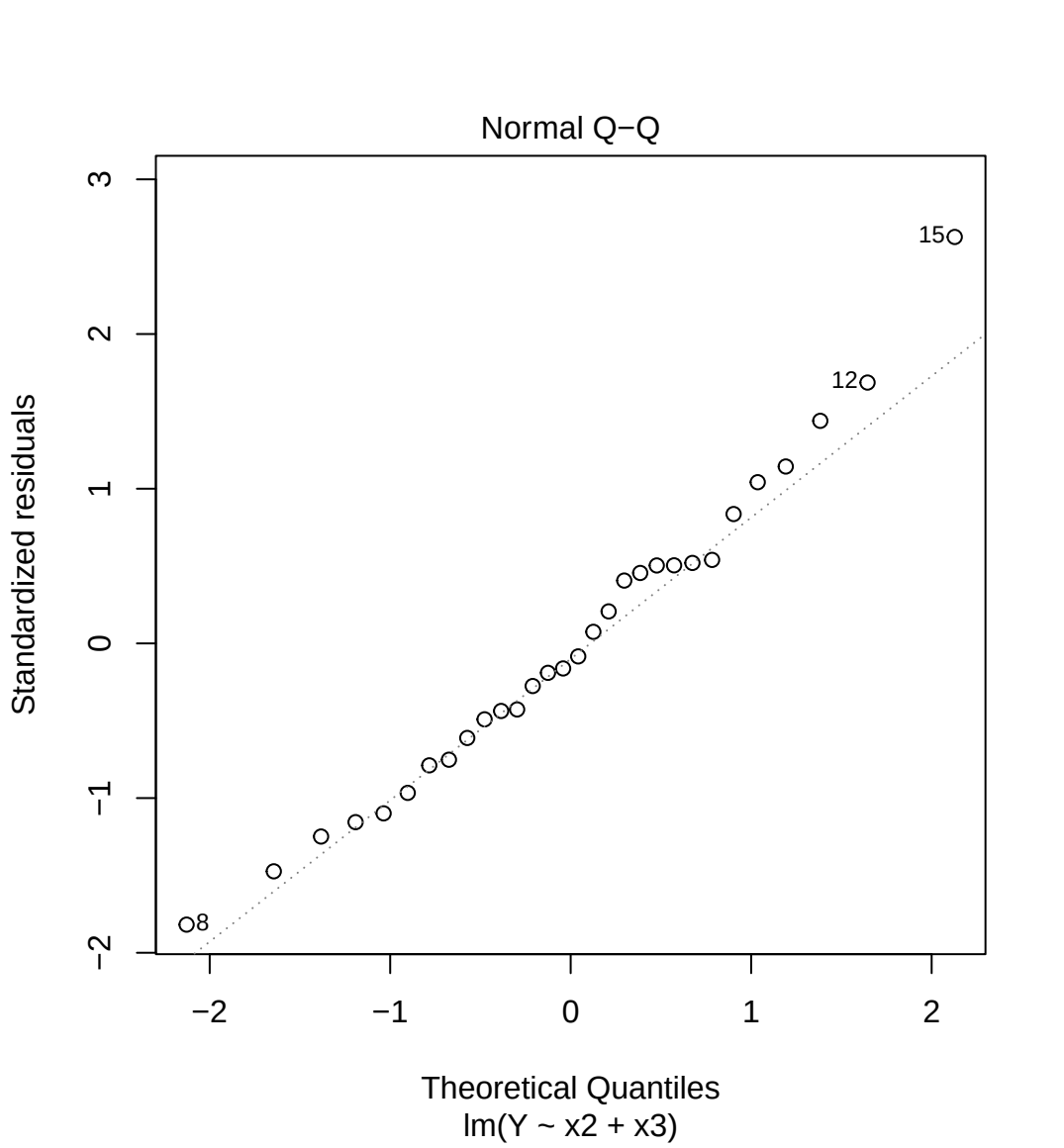
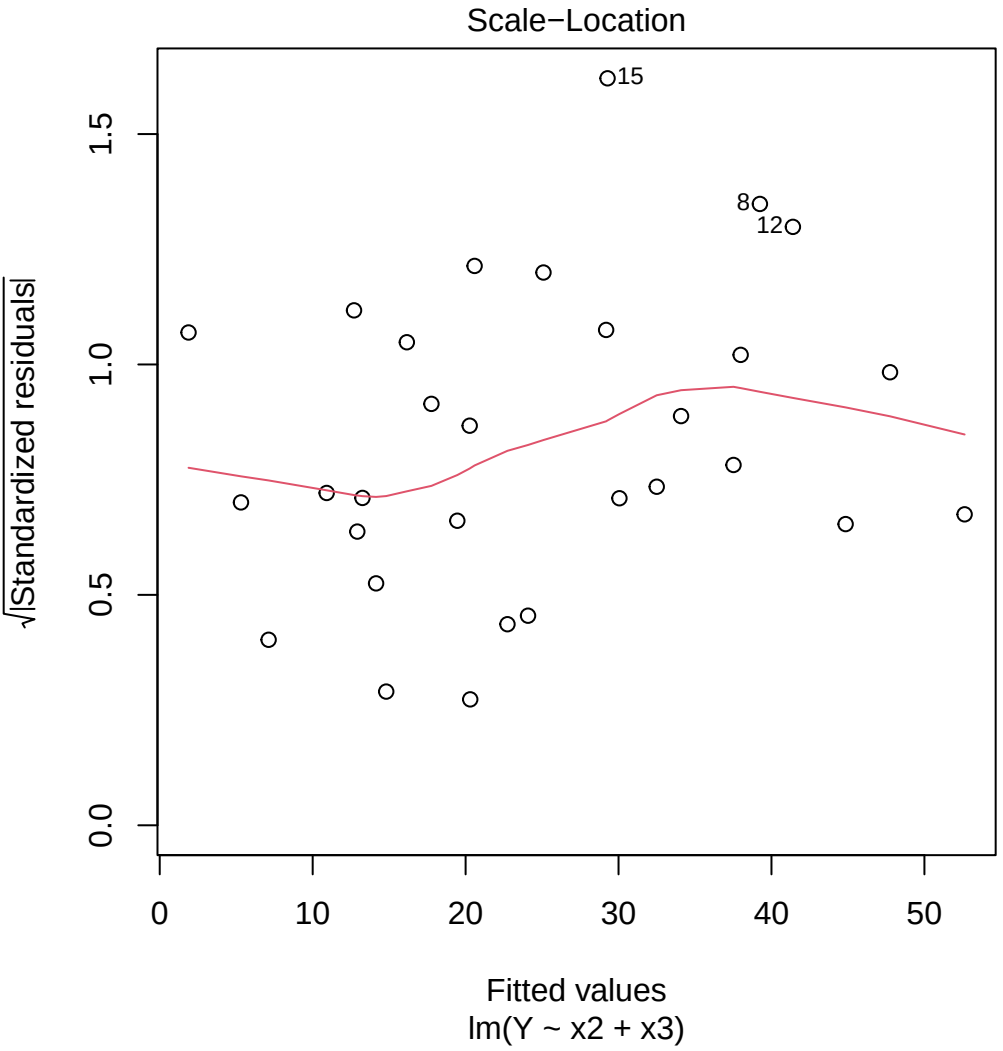
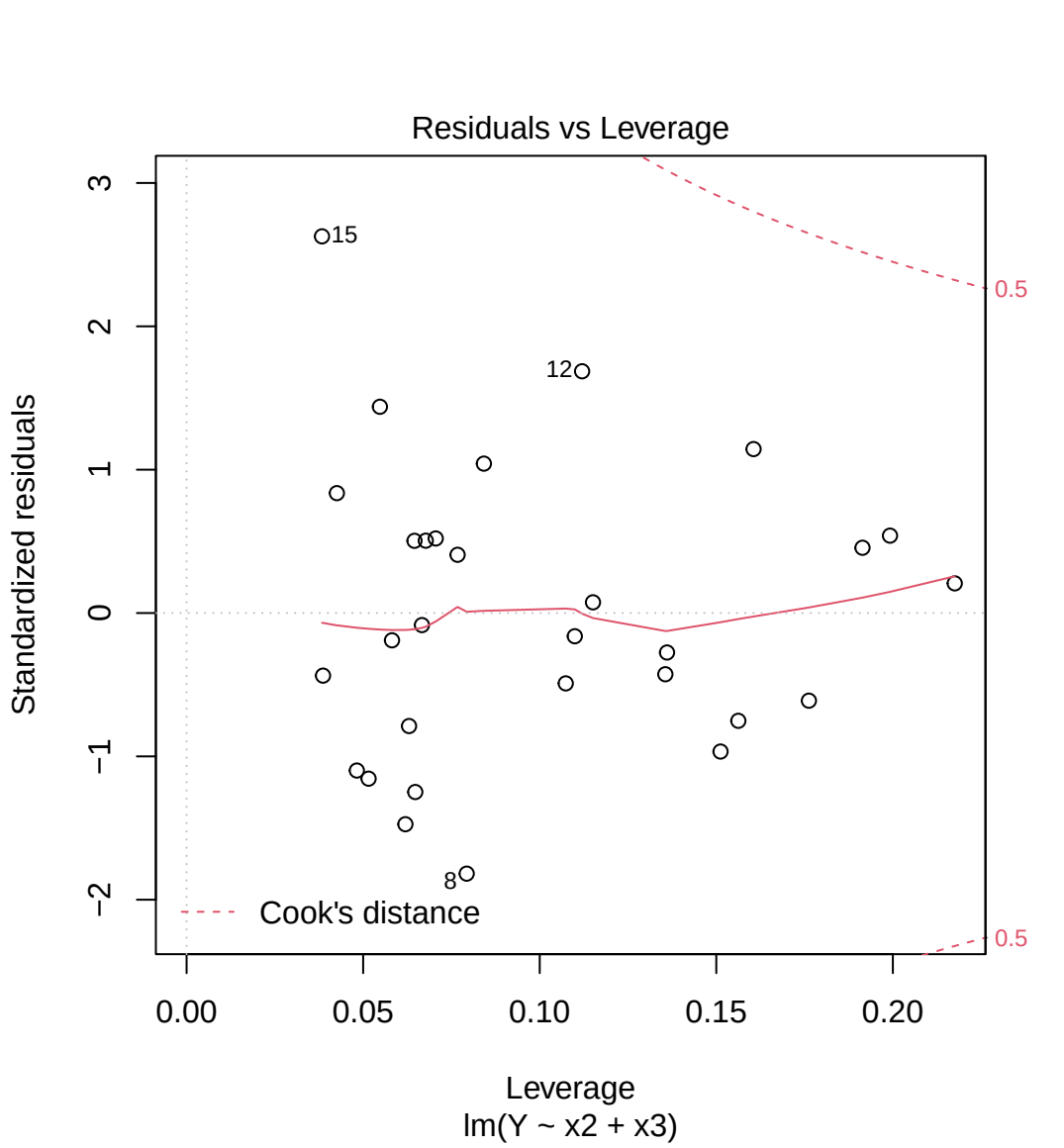
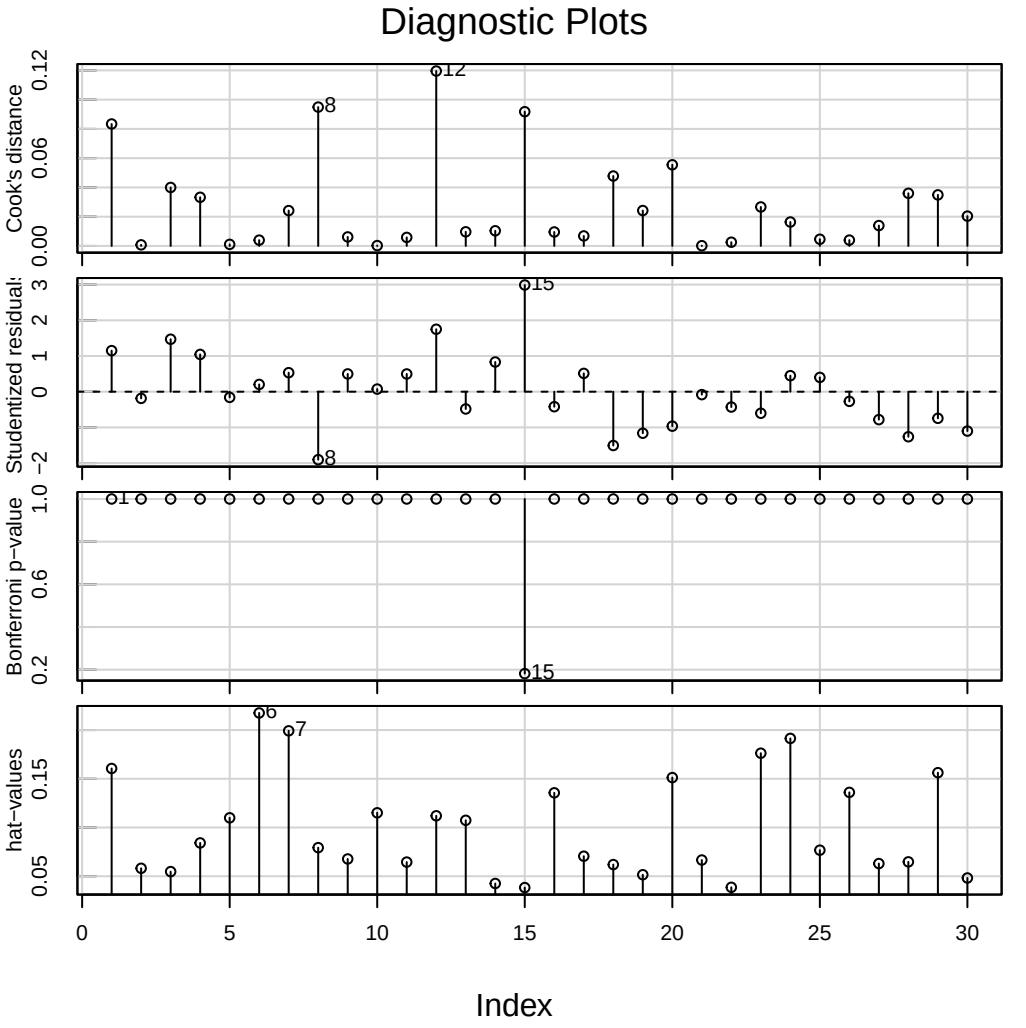

Residuals vs Fitted
Residuals
Fitted values
lm(Y ~ x2 + x3)
15
12
8
30
20
10
0
−10
−20
0
10
20
30
40
50


Normal Q−Q
Standardized residuals
Theoretical Quantiles
lm(Y ~ x2 + x3)
15
12
8
3
2
1
0
−1
−2
−2
−1
0
1
2


Scale−Location
15
8
12
√|Standardized residuals|
0.0
0.5
1.0
1.5
0
10
20
30
40
50
Fitted values
lm(Y ~ x2 + x3)


Residuals vs Leverage
Standardized residuals
Leverage
lm(Y ~ x2 + x3)
Cook's distance
0.5
0.5
15
12
8
3
2
1
0
−1
−2
0.00
0.05
0.10
0.15
0.20


Diagnostic Plots
Cook's distance
0.00
0.06
0.12
12
8
Studentized residual
−2
0
1
2
3
15
8
Bonferroni p−value
0.2
0.6
1.0
1
15
hat−values
0.05
0.15
6
7
0
5
10
15
20
25
30
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