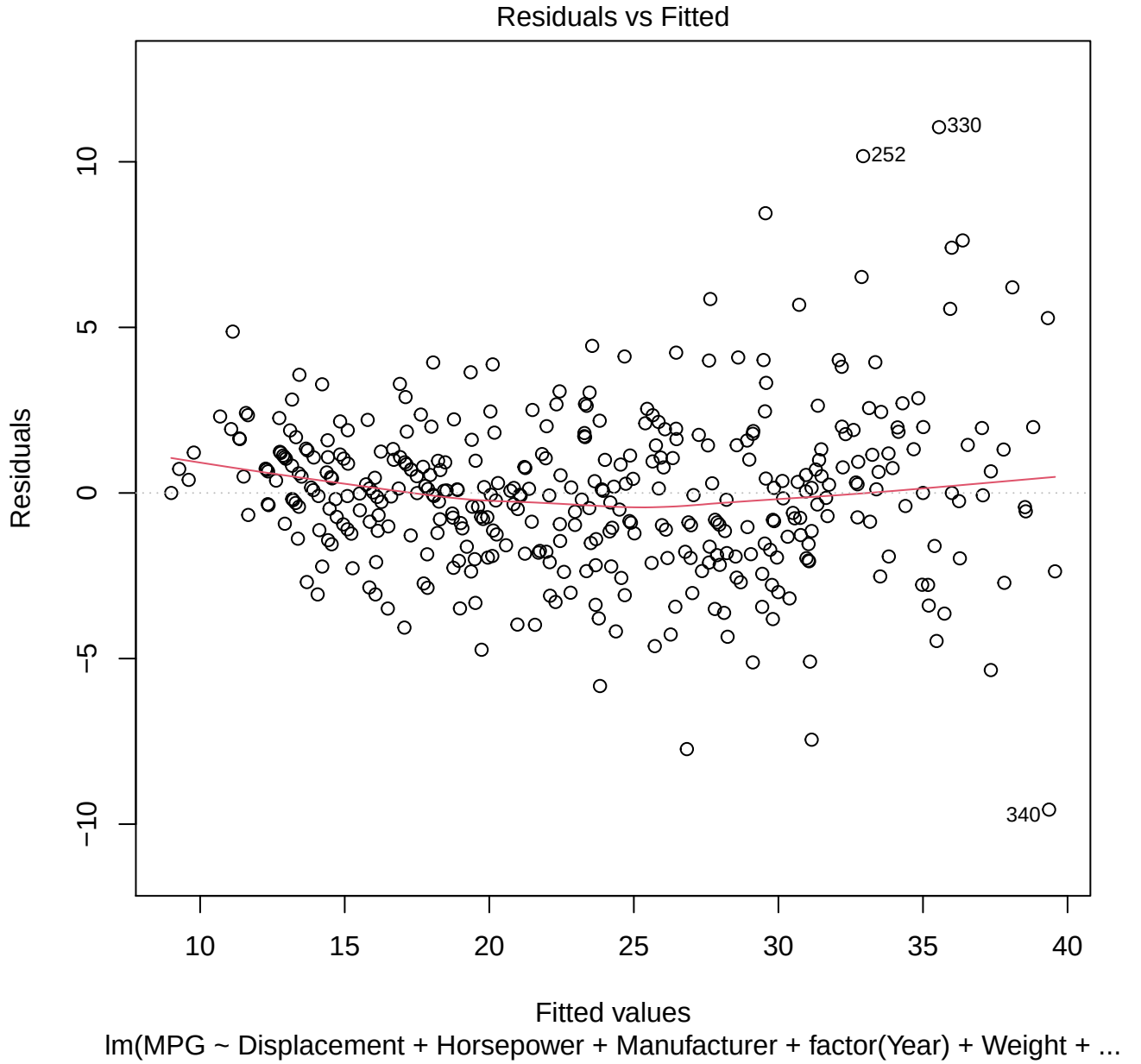
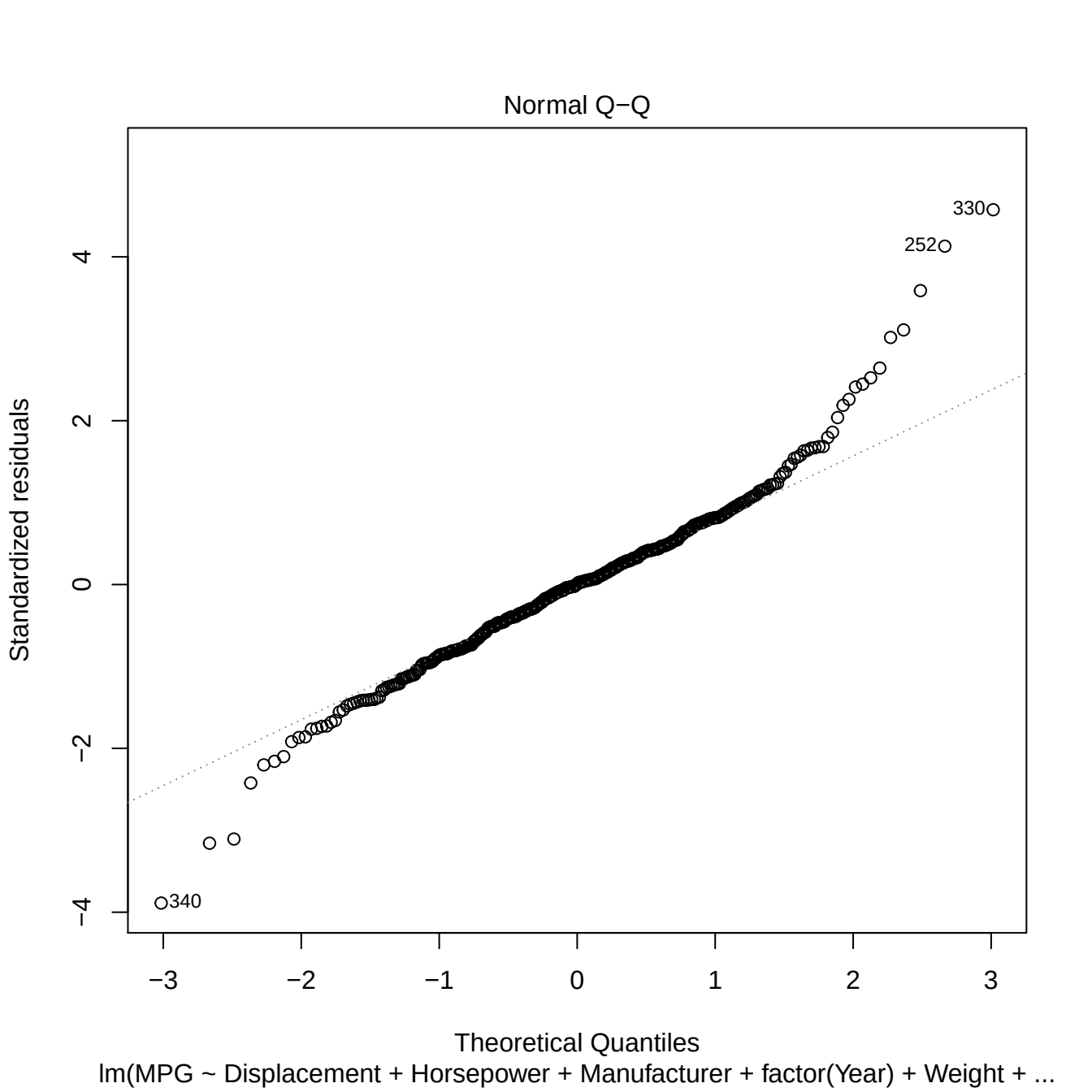
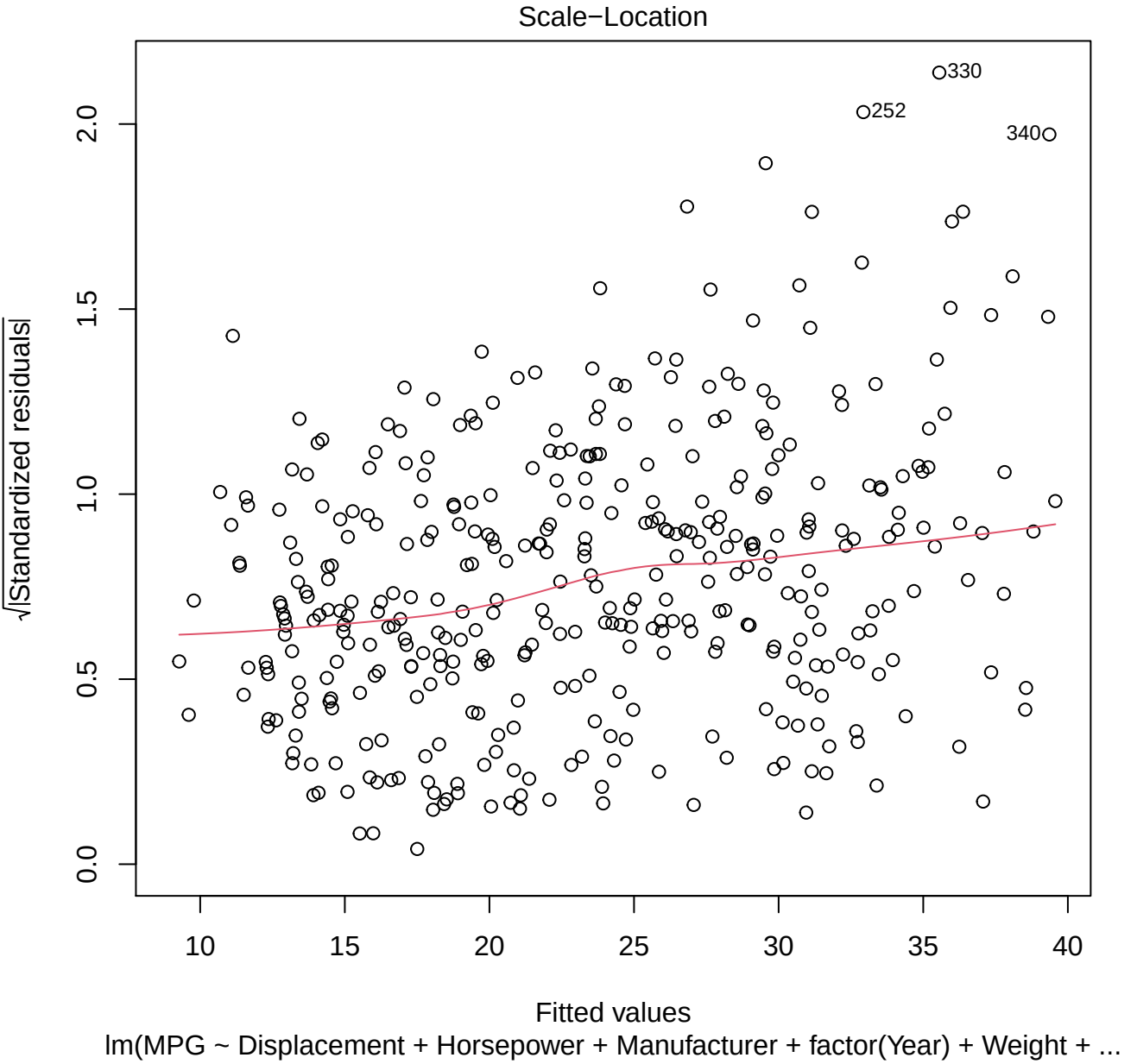
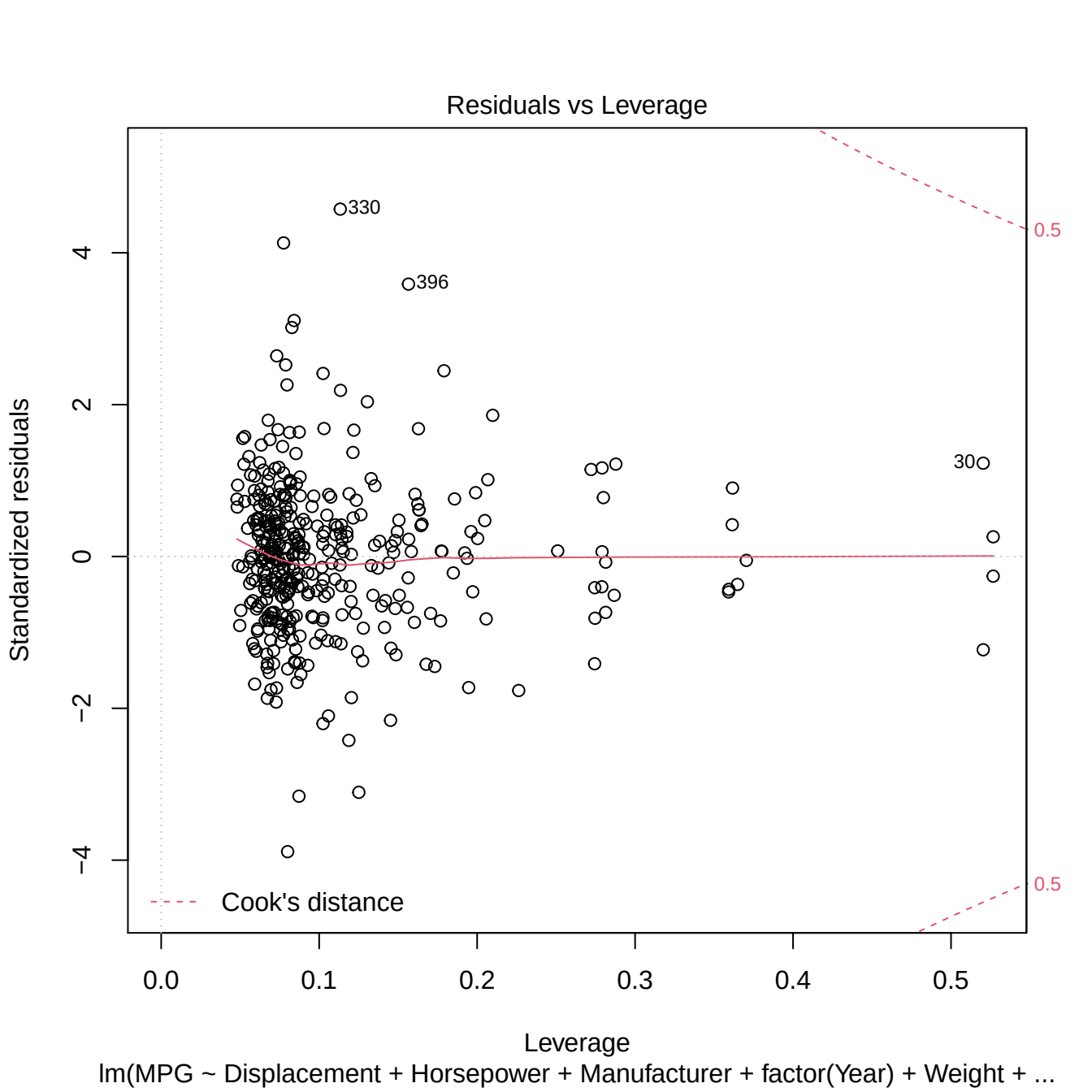
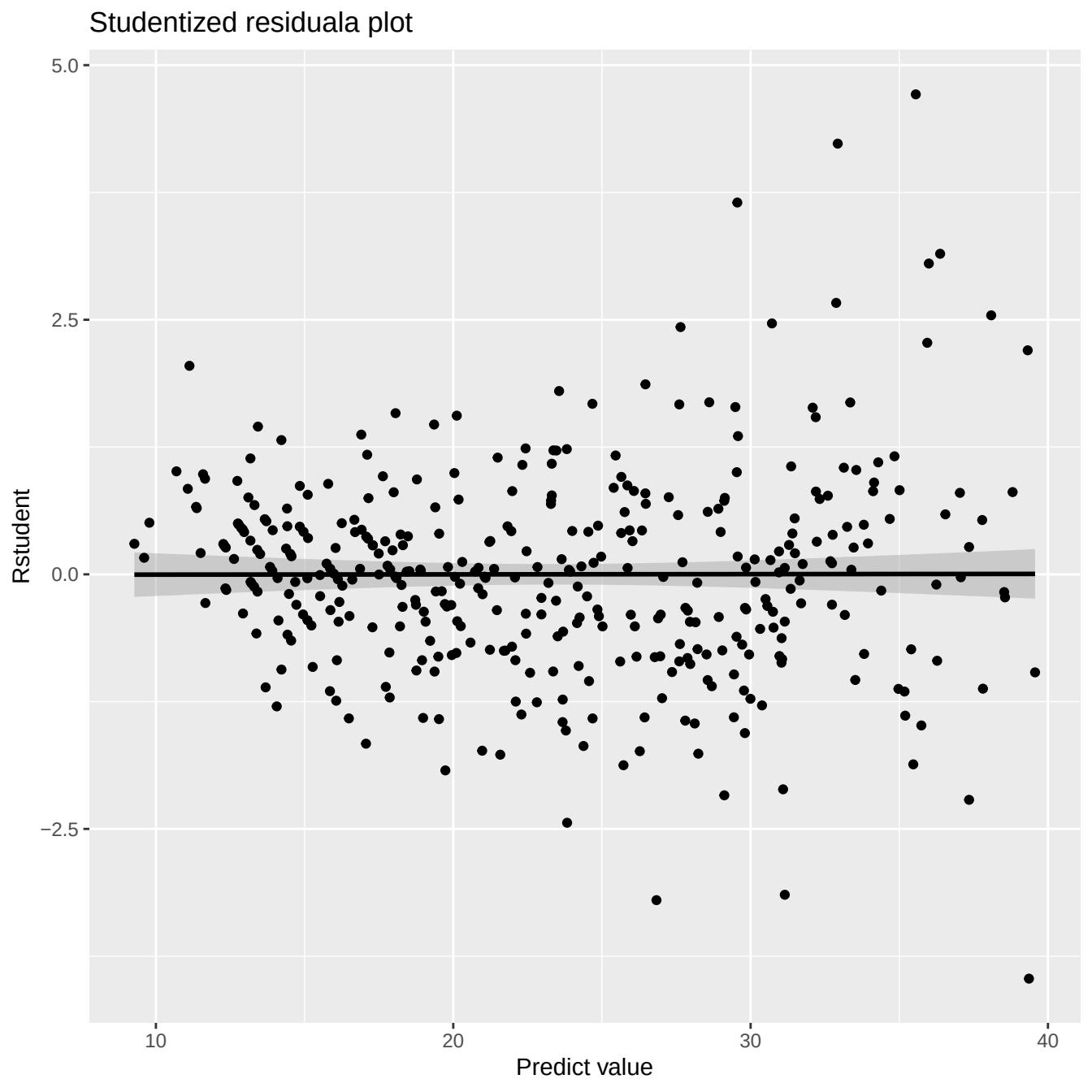

Residuals vs Fitted
330
252
340
Residuals
10
5
0
−5
−10
10
15
20
25
30
35
40
Fitted values
lm(MPG ~ Displacement + Horsepower + Manufacturer + factor(Year) + Weight + ...


Normal Q−Q
Standardized residuals
Theoretical Quantiles
lm(MPG ~ Displacement + Horsepower + Manufacturer + factor(Year) + Weight + ...
330
252
340
4
2
0
−2
−4
−3
−2
−1
0
1
2
3


Scale−Location
330
252
340
√|Standardized residuals|
0.0
0.5
1.0
1.5
2.0
10
15
20
25
30
35
40
Fitted values
lm(MPG ~ Displacement + Horsepower + Manufacturer + factor(Year) + Weight + ...


Residuals vs Leverage
330
396
30
0.5
0.5
Cook's distance
Standardized residuals
4
2
0
−2
−4
0.0
0.1
0.2
0.3
0.4
0.5
Leverage
lm(MPG ~ Displacement + Horsepower + Manufacturer + factor(Year) + Weight + ...


Studentized residuala plot
5.0
2.5
0.0
−2.5
Rstudent
10
20
30
40
Predict value