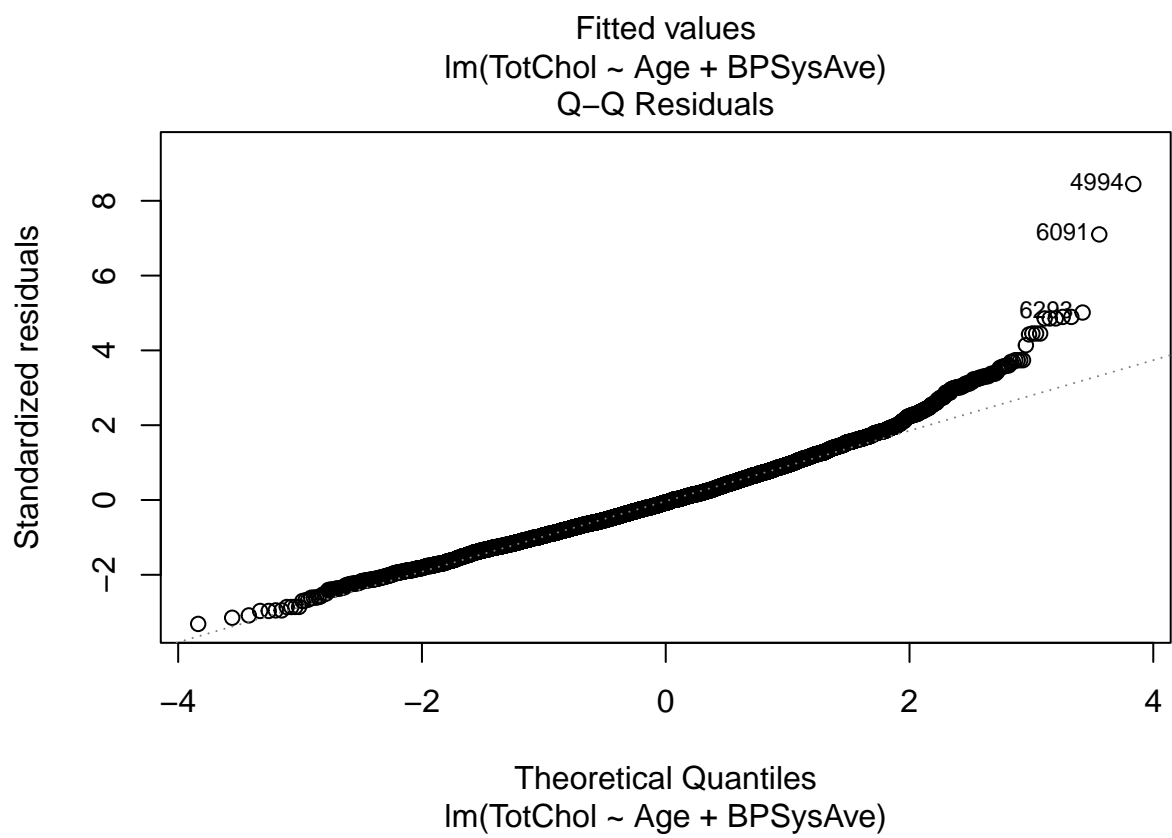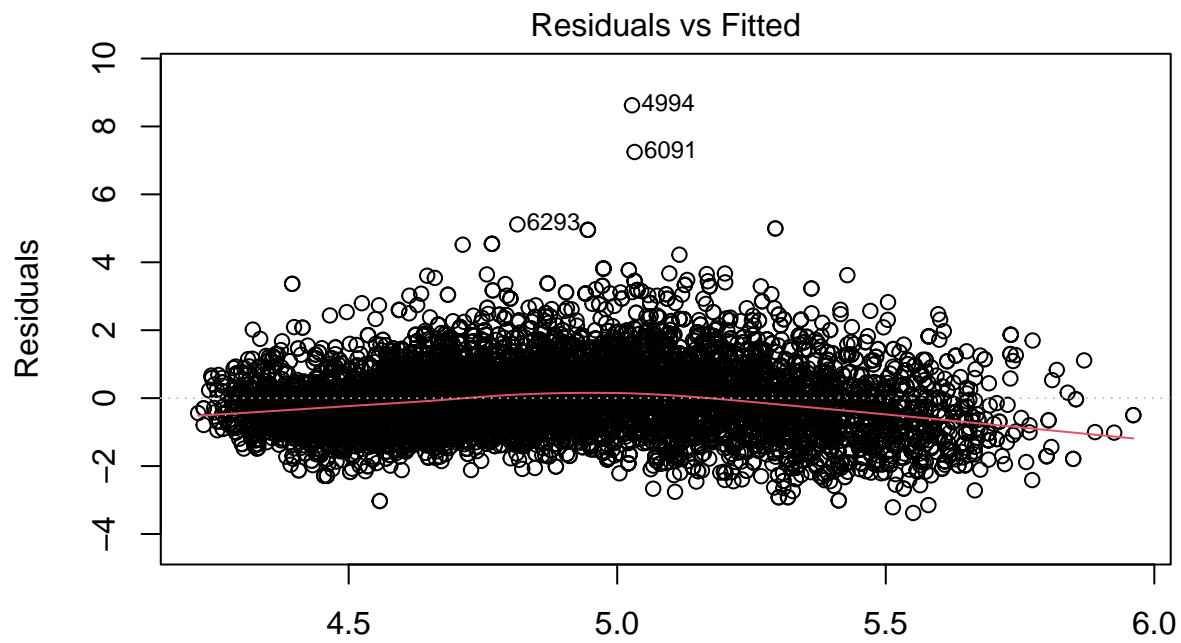# test

Edward J. Lee

2025-04-05

```r
#test commit
library(NHANES)
data(NHANES)


model <- lm(TotChol ~ Age + BPSysAve,
          data = NHANES)

summary(model)
```
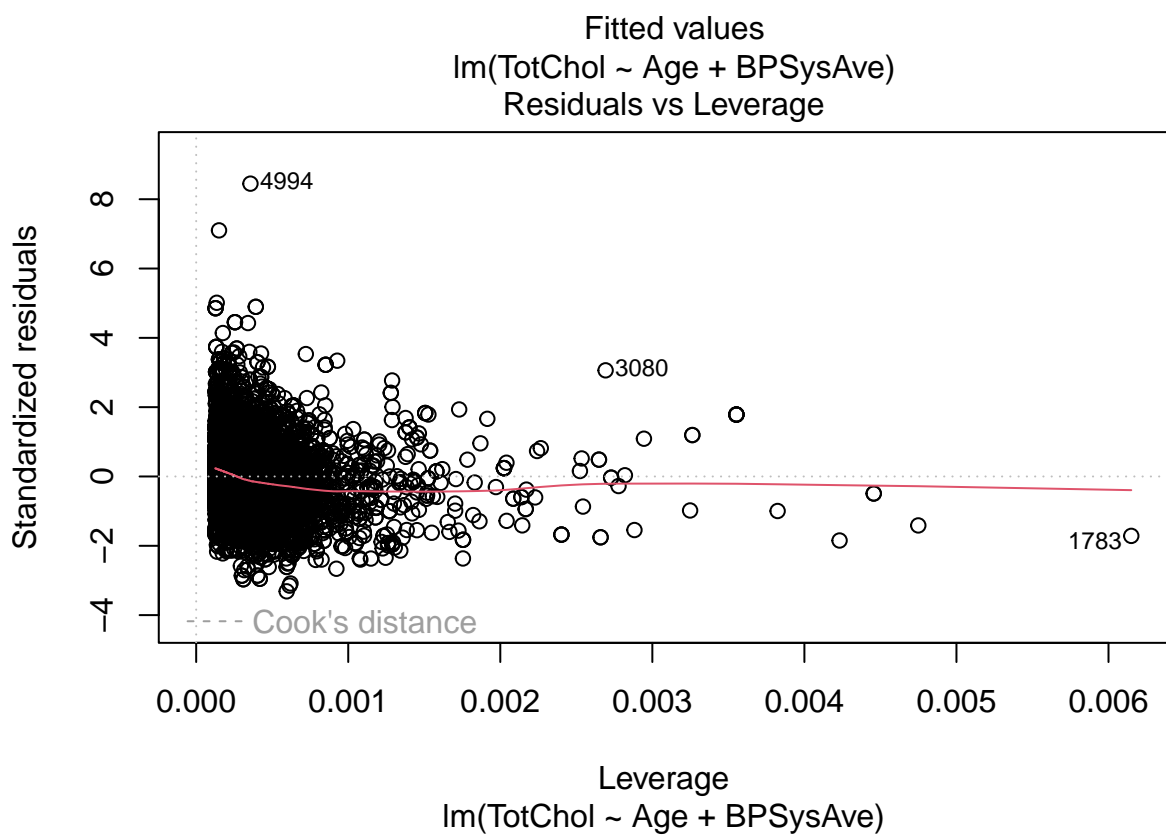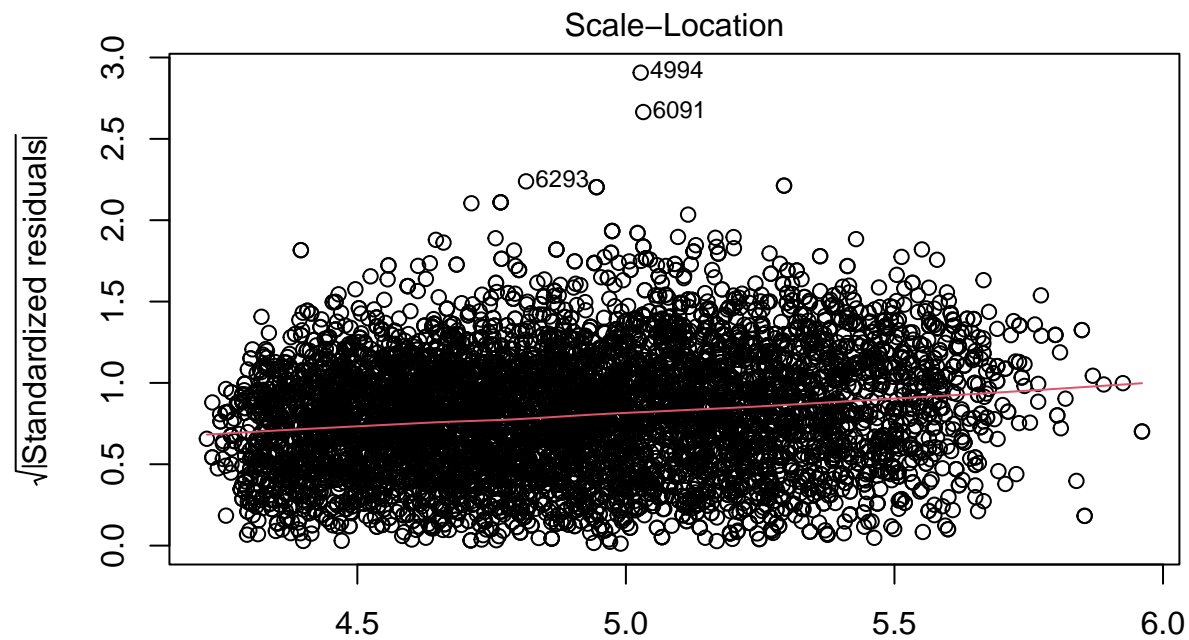
```
##
## Call:
## lm(formula = TotChol ~ Age + BPSysAve, data = NHANES)
##
## Residuals:
##     Min      1Q  Median      3Q     Max
## -3.3811 -0.6815 -0.0700  0.6163  8.6225
##
## Coefficients:
##               Estimate Std. Error t value Pr(>|t|)
## (Intercept) 3.6968205  0.0819913  45.088  < 2e-16 ***
## Age         0.0145014  0.0006653  21.796  < 2e-16 ***
## BPSysAve    0.0050874  0.0007745   6.569 5.39e-11 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 1.021 on 7990 degrees of freedom
##   (2007 observations deleted due to missingness)
## Multiple R-squared:  0.1006, Adjusted R-squared:  0.1003
## F-statistic: 446.6 on 2 and 7990 DF,  p-value: < 2.2e-16
```

```r
plot(model)
```

Residuals vs Fitted

Q–Q Residuals

Scale−Location

lm(TotChol ~ Age + BPSysAve)

Residuals vs Leverage

lm(TotChol ~ Age + BPSysAve)

```
#test commit
```