Standard deviation and mean

Box plot

```
Residuals:
     Min      1Q    Median      3Q      Max
-25.5167  -3.3857   0.8143   5.1833  10.0143

Coefficients:
             Estimate Std. Error t value Pr(>|t|)
(Intercept)   39.6857     0.8924  44.470  < 2e-16 ***
DIETN/N85     -6.9945     1.2565  -5.567 5.25e-08 ***
DIETN/R40      5.4310     1.2409   4.377 1.60e-05 ***
DIETN/R50      2.6115     1.1936   2.188   0.0293 *
DIETNP       -12.2837     1.3064  -9.403  < 2e-16 ***
DIETR/R50      3.2000     1.2621   2.536   0.0117 *
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 6.678 on 343 degrees of freedom
Multiple R-squared:  0.4543,    Adjusted R-squared:  0.4463
F-statistic:  57.1 on 5 and 343 DF,  p-value: < 2.2e-16
```
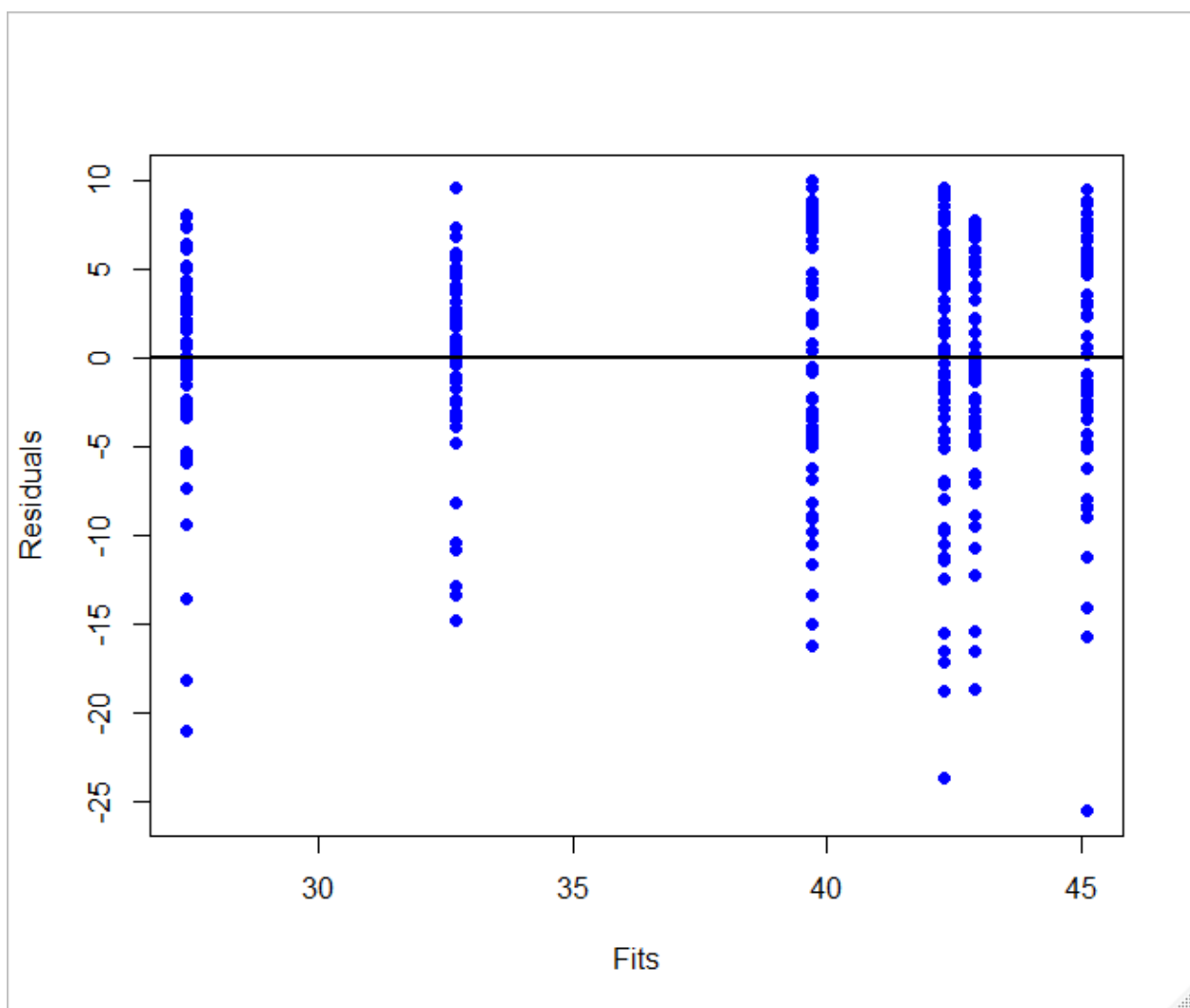
Summary

ANOVA table

Residuals vs Fits

NormalQQ

Normal Q-Q Plot