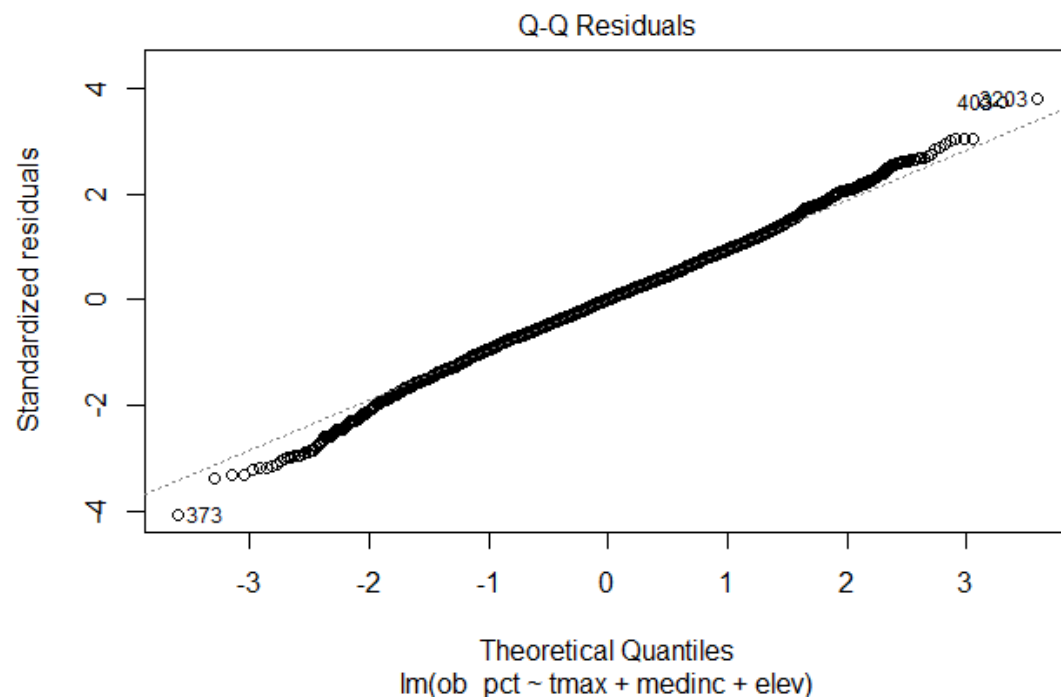
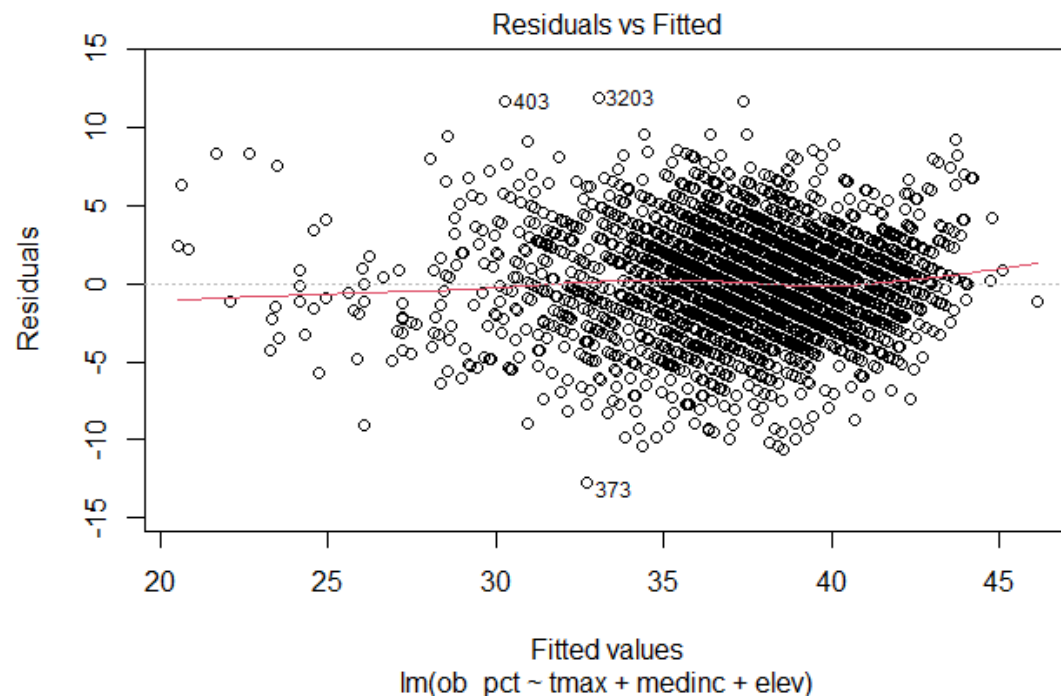


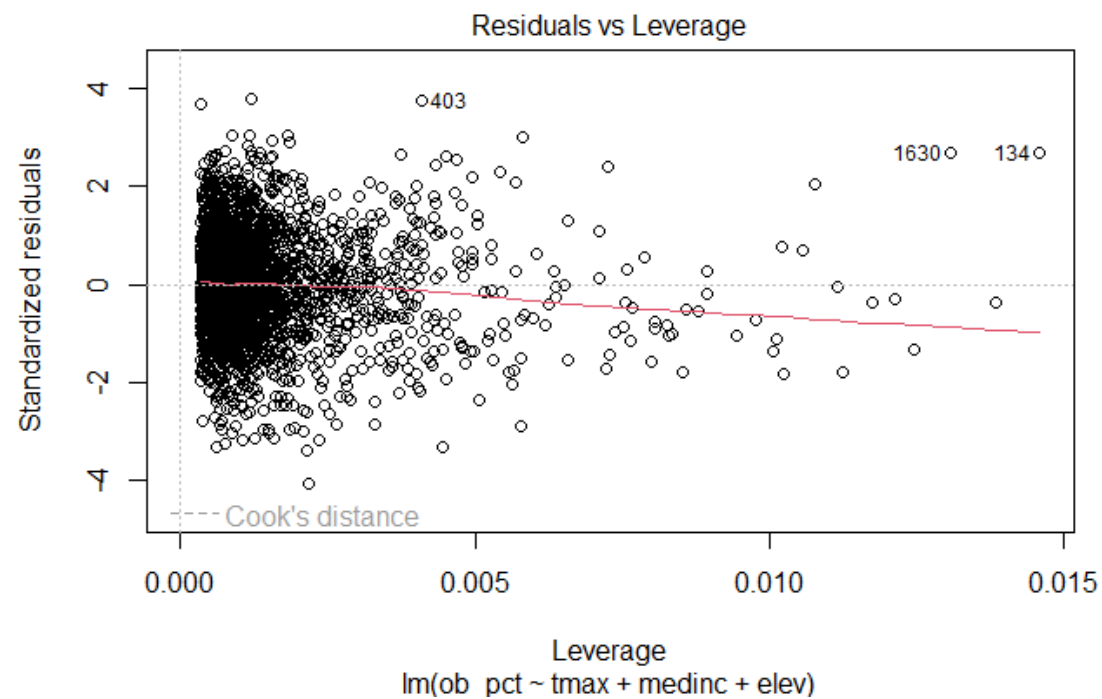
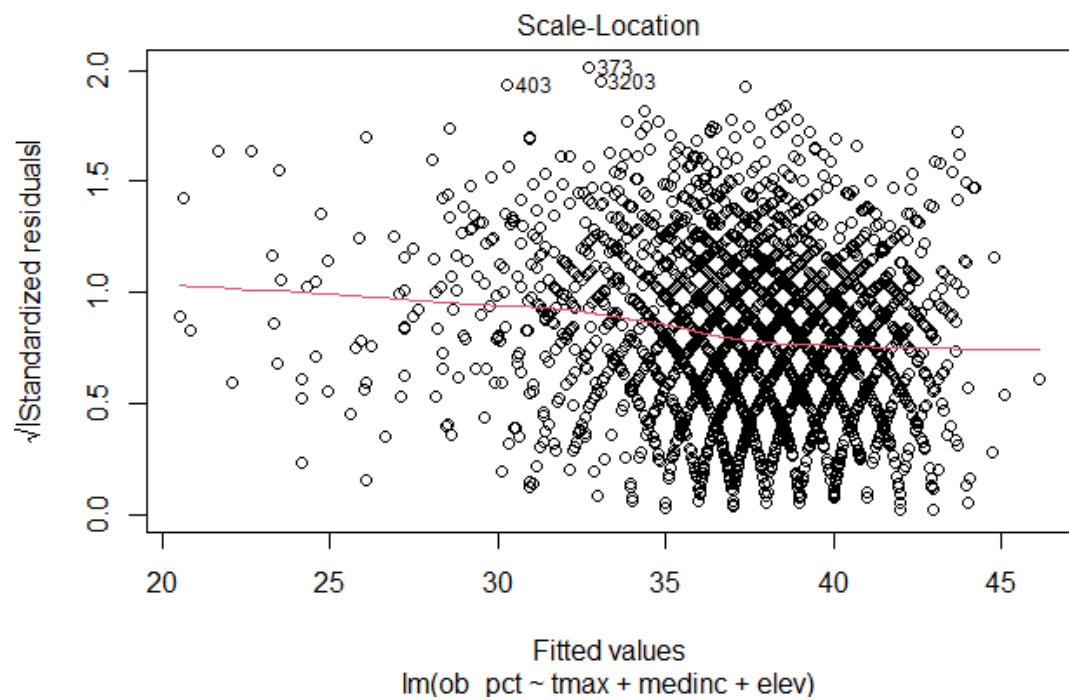
# US Obesity Model

Brett Peters

2024-10-04

## Deliverable 1 - Four plots of Linear Model





## Deliverable 2 - Summary of Linear Model

```
> summary(USlm)

Call:
lm(formula = ob_pct ~ tmax + medinc + elev, data = USdata)

Residuals:
    Min       1Q   Median       3Q      Max
-12.7207  -2.0000   0.0159   2.0019  11.9470

Coefficients:
            Estimate Std. Error t value Pr(>|t|)
(Intercept)  4.193e+01  7.408e-01   56.60  <2e-16 ***
tmax         2.136e-01  2.099e-02   10.18  <2e-16 ***
medinc      -1.551e-04  3.477e-06  -44.61  <2e-16 ***
elev        -2.706e-03  1.159e-04  -23.34  <2e-16 ***
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 3.14 on 3095 degrees of freedom
(123 observations deleted due to missingness)
Multiple R-squared:  0.5189,    Adjusted R-squared:  0.5184
F-statistic: 1113 on 3 and 3095 DF,  p-value: < 2.2e-16
```