

R version 3.3.3 (2017-03-06) -- "Another Canoe"

> setwd("D:\\drr18\\stat209\\")

> ed = read.table("https://web.stanford.edu/~rag/stat209/colemandat", header = T)

Error in file(file, "rt") : cannot open the connection

In addition: Warning message:

In file(file, "rt") :

InternetOpenUrl failed: 'An error occurred in the secure channel support'

careful Stanford will resolve the web page with the usable "http" link location

on the class page, to an "https" which may cause R problems in access

> ed = read.table("http://web.stanford.edu/~rag/stat209/colemandat", header = T)

> #watch out for your browser trying to insert an "s"

> edreg = lm(vach ~ ssal+ whcol+ ses+ tverb+ momed, data = ed) # Coleman regression

> summary(edreg)

Call:

lm(formula = vach ~ ssal + whcol + ses + tverb + momed, data = ed)

Residuals:

Min	1Q	Median	3Q	Max
-3.9497	-0.6174	0.0623	0.7343	5.0018

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	19.94857	13.62755	1.464	0.1653
ssal	-1.79333	1.23340	-1.454	0.1680
whcol	0.04360	0.05326	0.819	0.4267
ses	0.55576	0.09296	5.979	3.38e-05 ***
tverb	1.11017	0.43377	2.559	0.0227 *
momed	-1.81092	2.02739	-0.893	0.3868

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 2.074 on 14 degrees of freedom

Multiple R-squared: 0.9063, Adjusted R-squared: 0.8728

F-statistic: 27.08 on 5 and 14 DF, p-value: 9.927e-07

> options(show.signif.stars = FALSE) # display intelligence (Terry Thernau)

> summary(edreg) # redo with options in force

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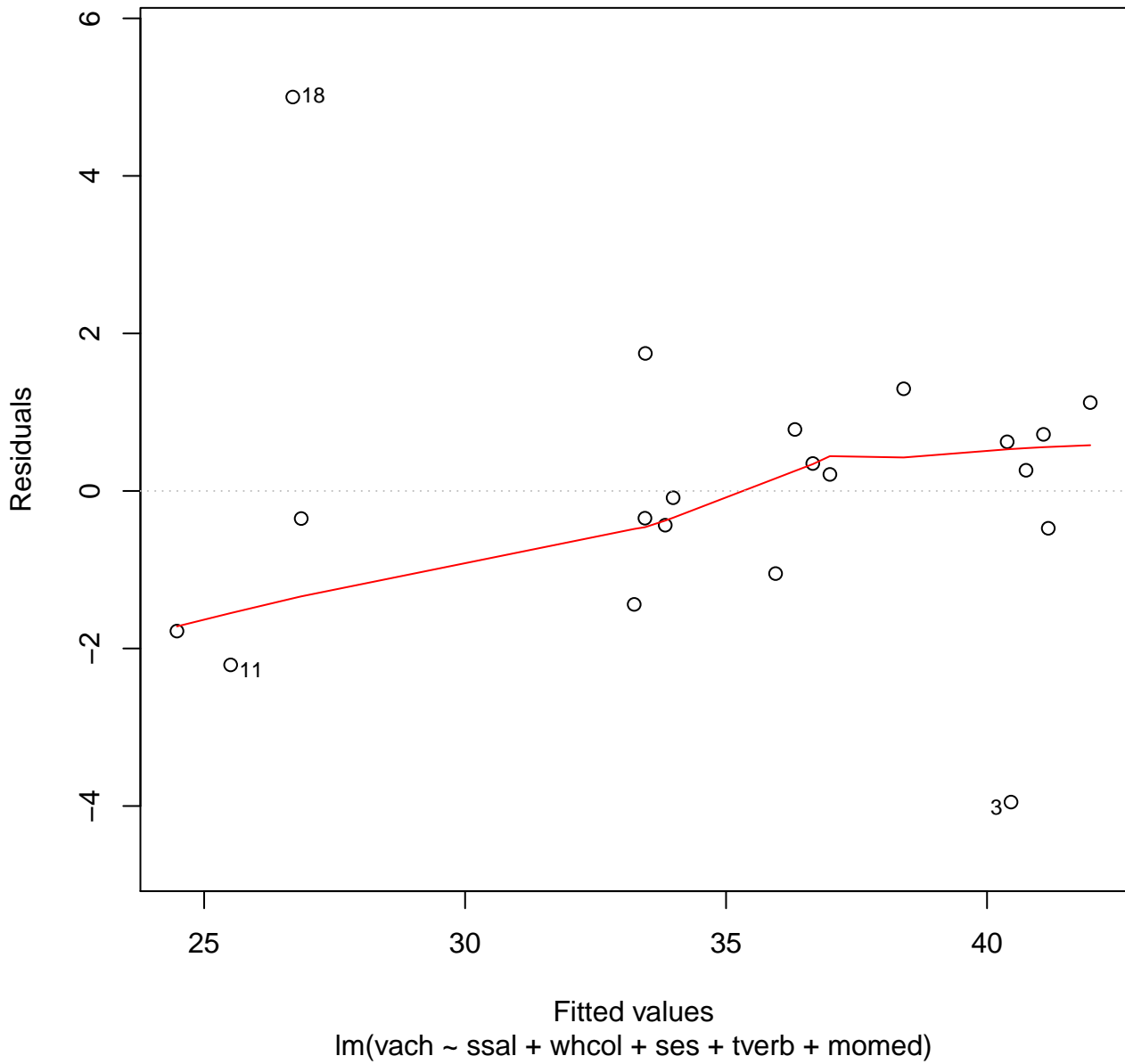
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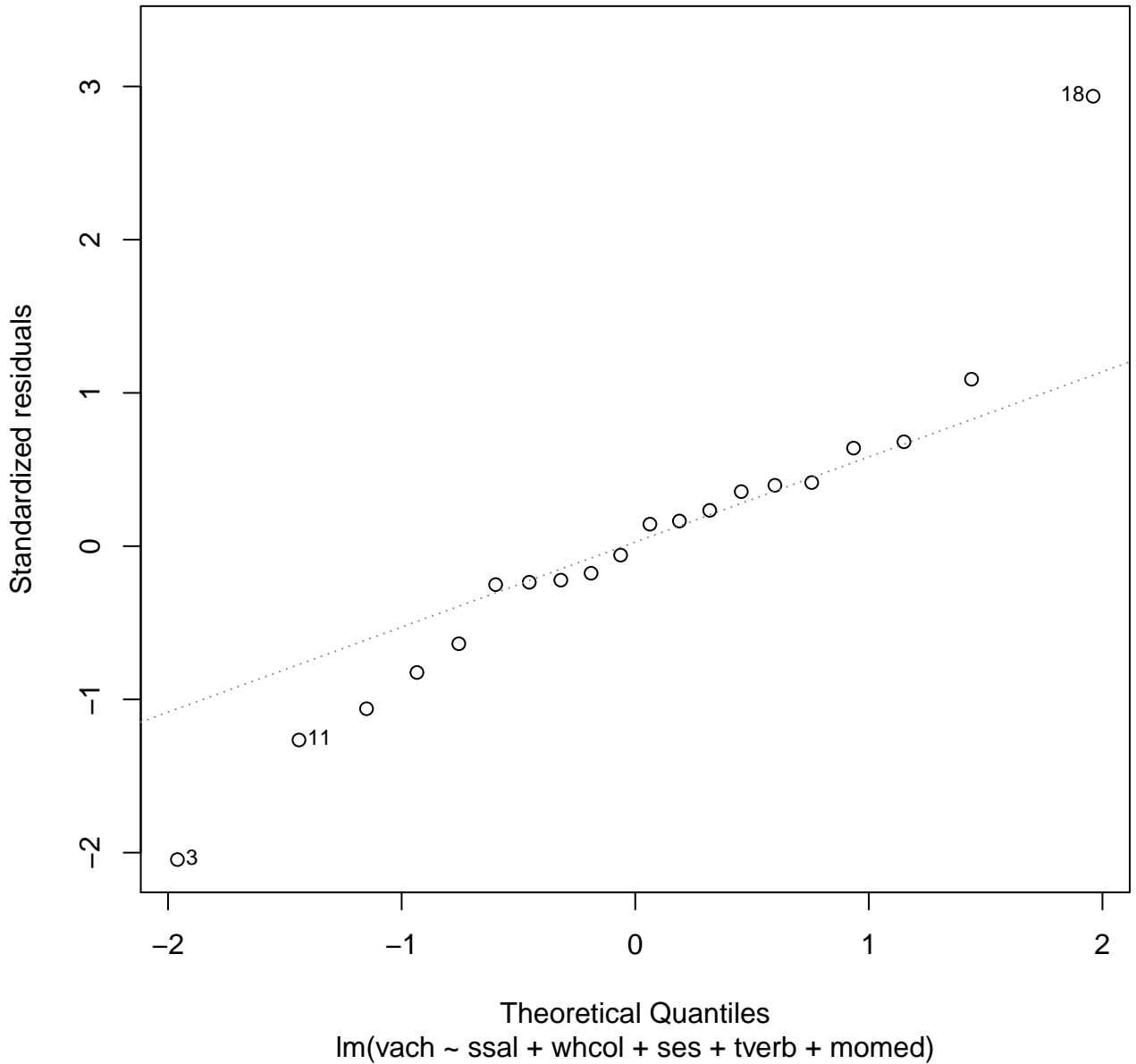
much better

```
> plot(edreg) # standard diagnostic plots
Waiting to confirm page change...
Waiting to confirm page change...
Waiting to confirm page change...
Waiting to confirm page change...
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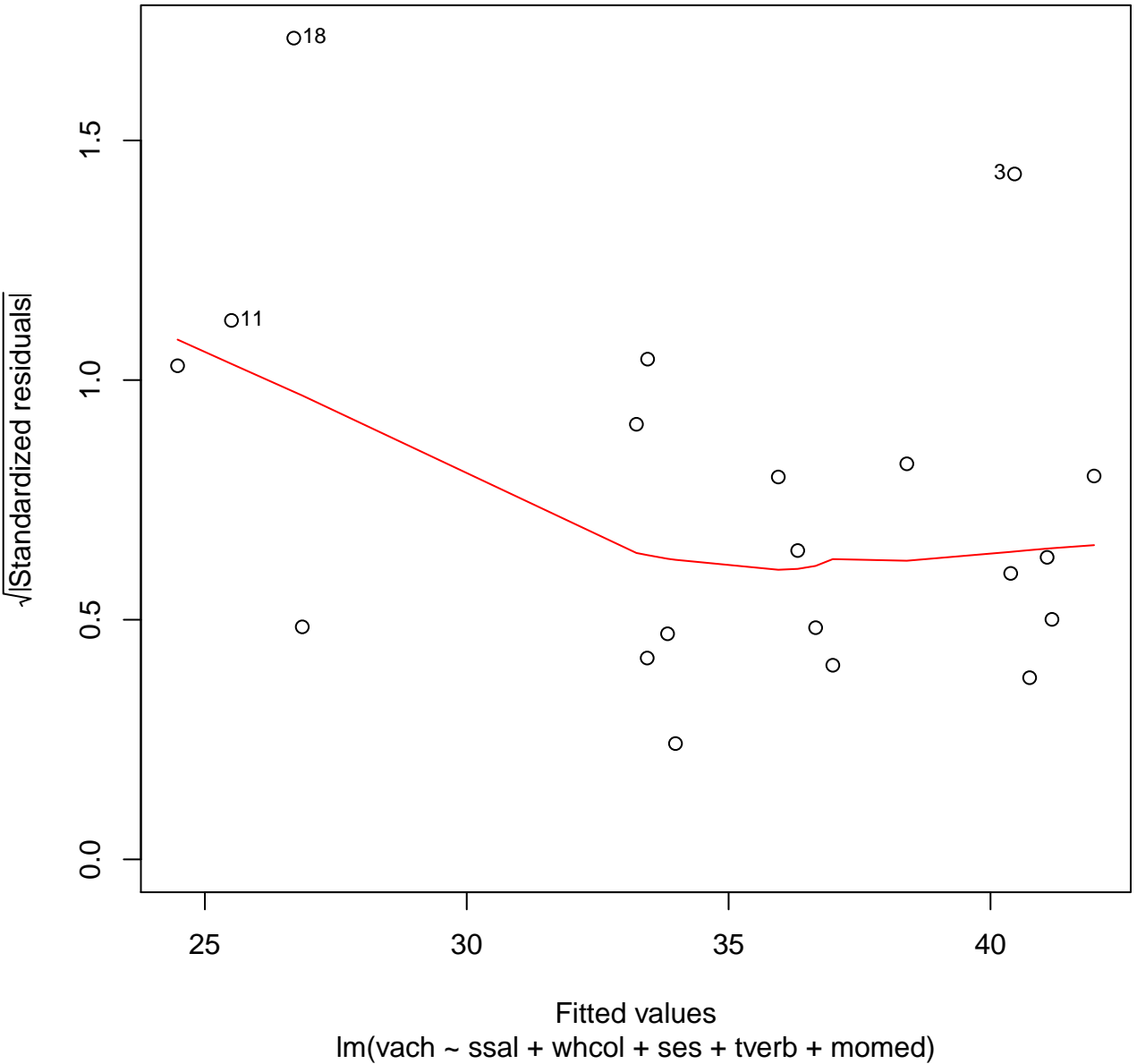
Residuals vs Fitted



Normal Q-Q



Scale-Location



Residuals vs Leverage

