First we define a figure hook:

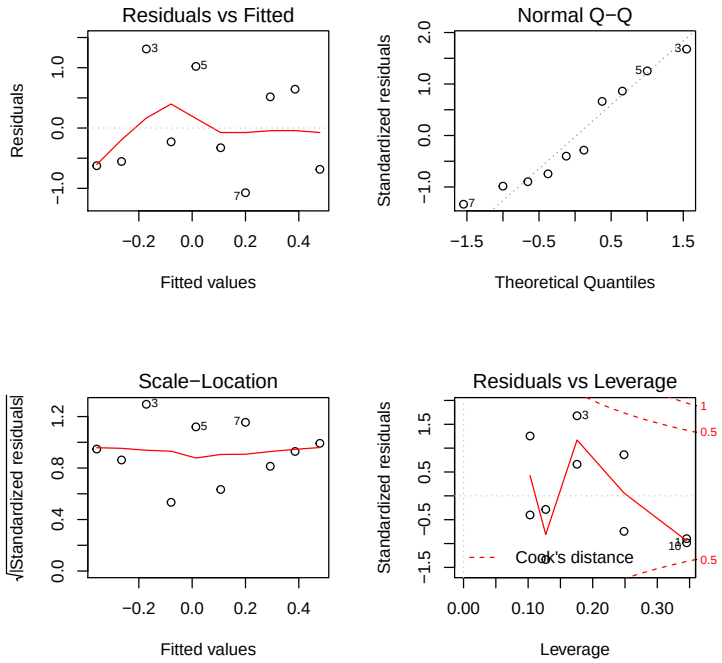
```
> options(SweaveHooks = list(fig = function() par(mfrow=c(2,2))))
```

Then we setup variable definitions without actually evaluating them

```
> x <- 1:10
> y <- rnorm(x)
```

Then we put the pieces together:

```
> x <- 1:10
> y <- rnorm(x)
> lm1 <- lm(y~x)
> summary(lm1)

Call:
lm(formula = y ~ x)

Residuals:
    Min      1Q  Median      3Q     Max
-1.0721 -0.6070 -0.2778  0.6116  1.3101

Coefficients:
            Estimate Std. Error t value Pr(>|t|)
(Intercept) -0.45078    0.58744  -0.767    0.465
x            0.09297    0.09467   0.982    0.355

Residual standard error: 0.8599 on 8 degrees of freedom
Multiple R-squared: 0.1076,        Adjusted R-squared: -0.00398
F-statistic: 0.9643 on 1 and 8 DF,  p-value: 0.3549

> plot(lm1)
```


Residuals vs Fitted
Residuals
Fitted values
Normal Q−Q
Standardized residuals
Theoretical Quantiles
Scale−Location
√|Standardized residuals|
Fitted values
Residuals vs Leverage
Standardized residuals
Cook's distance
Leverage