

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
	-1.7946	-1.2770	0.2540	1.1738	1.5092

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	0.25501	0.92836	0.275	0.791
x	-0.05714	0.14962	-0.382	0.713

Residual standard error: 1.359 on 8 degrees of freedom

Multiple R-Squared: 0.0179, Adjusted R-squared: -0.1049

F-statistic: 0.1458 on 1 and 8 DF, p-value: 0.7125

```
> plot(lm1)
```

