

# A Title

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# 1 A Linear Regression

Here, we generate some sample data. By default, sweave echoes the results - showing us what commands are run in R. But we can stop that in our code chunk by specifying "echo=FALSE". In the example below, we will generate random variables from the normal and uniform distribution, put them in a data frame, run a linear regression and output a table that shows us the pertinent information from the regression.

	Estimate	Std. Error	t value	Pr(> t )
(Intercept)	0.4937	0.0265	18.60	0.0000
x	-0.0476	0.0262	-1.81	0.0727

## 1.1 Plotting Example

It is also quite simple to include plots and graphics. Resizing them, is quite painful if you are generating them automatically. My recommendation is to always save them as a separate file, and then place them. But for the sake of example, here is a plot of Residuals vs. Fitted from our model and Normal Q-Q. Note, that when we want the output of a figure we have to specify "fig=TRUE" for our code chunk:

