My knitr demo

Michael Ash

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You can test if **knitr** works with this minimal demo. OK, let's get started with some boring random numbers:

```
set.seed(1121)
(x <- rnorm(20))

##  [1]  0.1449583  0.4383221  0.1531912  1.0849426  1.9995449
##  [6] -0.8118832  0.1602680  0.5858923  0.3600880 -0.0253084
## [11]  0.1508809  0.1100824  1.3596812 -0.3269946 -0.7163819
## [16]  1.8097690  0.5084011 -0.5274603  0.1327188 -0.1559430

(xbar <- mean(x)); (xvar <- var(x))

## [1] 0.3217385
## [1] 0.5714534
```

The first element X_1 of `x` is 0.1449583. Rounded to two decimal places, the mean is 0.32 and the variance is 0.57.

Here are the annotated results of a couple of coin tosses (at this point we hand random-number generation back to the system:

```
set.seed(Sys.time())
```

The coin comes up heads.

Here is the result of another coin toss. The coin comes up heads again.

A boring plot in ggplot can be see in Figure 1.

Summary statistics are in Table 1.

```
stargazer(cars, title = "Summary statistics", label= "tab:summary")
```

And the regression results are in Table 2

```
stargazer(model1, model2, model3, title="Regression results", label="tab:regression")
```

Figure 1: A boring figure

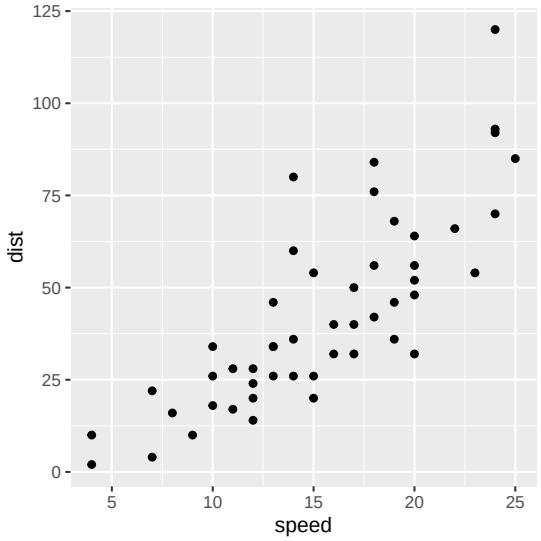

Table 1: Summary statistics

Statistic	N	Mean	St. Dev.	Min	Max
speed	50	15.400	5.288	4	25
dist	50	42.980	25.769	2	120

Table 2: Regression results

	Dependent variable:		
	dist		
	(1)	(2)	(3)
speed	3.932***	0.913	6.801
	(0.416)	(2.034)	(6.801)
I(speed ∗speed)		0.100	
		(0.066)	
I(speedˆ2)			−0.350
			(0.500)
I(speedˆ3)			0.010
			(0.011)
Constant	−17.579**	2.470	−19.505
	(6.758)	(14.817)	(28.405)
Observations	50	50	50
R^2	0.651	0.667	0.673
Adjusted R^2	0.644	0.653	0.652
Residual Std. Error	15.380 (df = 48)	15.176 (df = 47)	15.205 (df = 46)
F Statistic	89.567*** (df = 1; 48)	47.141*** (df = 2; 47)	31.584*** (df = 3; 46)
Note:			*p<0.1; **p<0.05; ***p<0.01

```
stargazer(model1, model2, model3, title="Regression results with new names", label="tab:regr
```

Table 3: Regression results with new names

	Dependent variable:		
	dist		
	(1)	(2)	(3)
speed	3.932***	0.913	6.801
	(0.416)	(2.034)	(6.801)
Speed-squared		0.100	−0.350
		(0.066)	(0.500)
Speed-cubed			0.010
			(0.011)
Constant	−17.579**	2.470	−19.505
	(6.758)	(14.817)	(28.405)
Observations	50	50	50
R^2	0.651	0.667	0.673
Adjusted R^2	0.644	0.653	0.652
Residual Std. Error	15.380 (df = 48)	15.176 (df = 47)	15.205 (df = 46)
F Statistic	89.567*** (df = 1; 48)	47.141*** (df = 2; 47)	31.584*** (df = 3; 46)
Note:			*p<0.1; **p<0.05; ***p<0.01

Do the R code chunks work? You should be able to compile the LaTeX document.