A Minimal Example

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A short R Markdown example

A quote:

> R Markdown provides an authoring framework for data science.

To compile this, just click the `Knit` button in R Studio. You can actually see it rendered here.

code chunks

A *paragraph* here. A code chunk below (remember the three backticks):
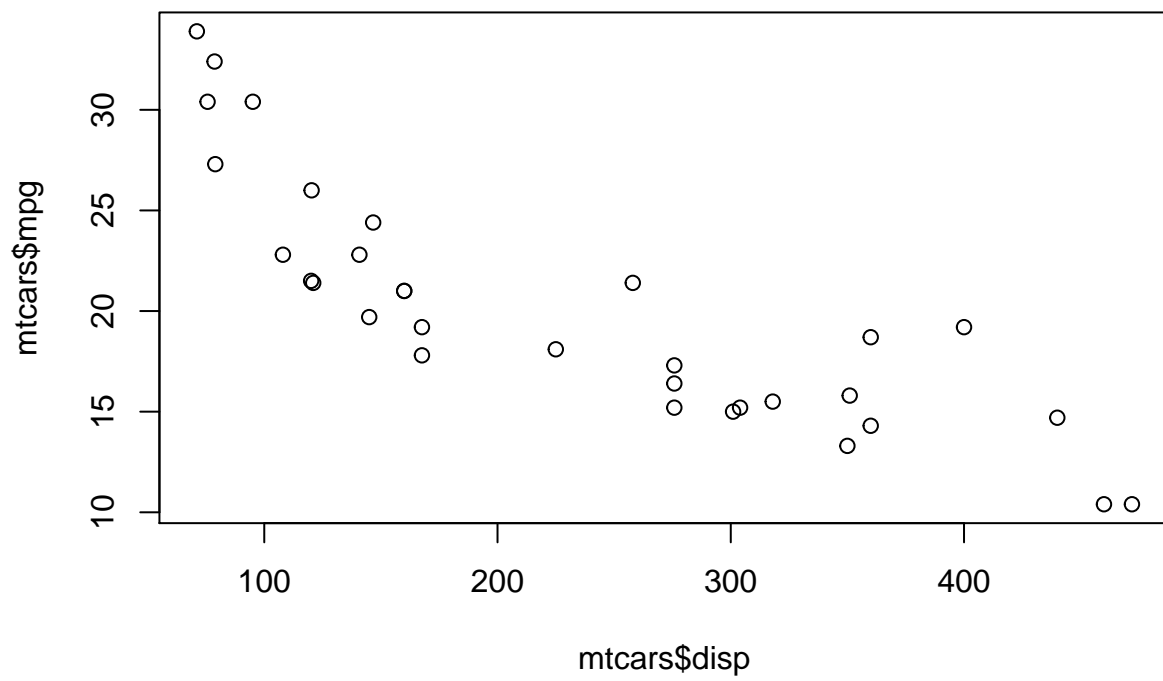
```
1+1
```

```
## [1] 2
```

```
.4-.7+.3 # what? it is not zero!
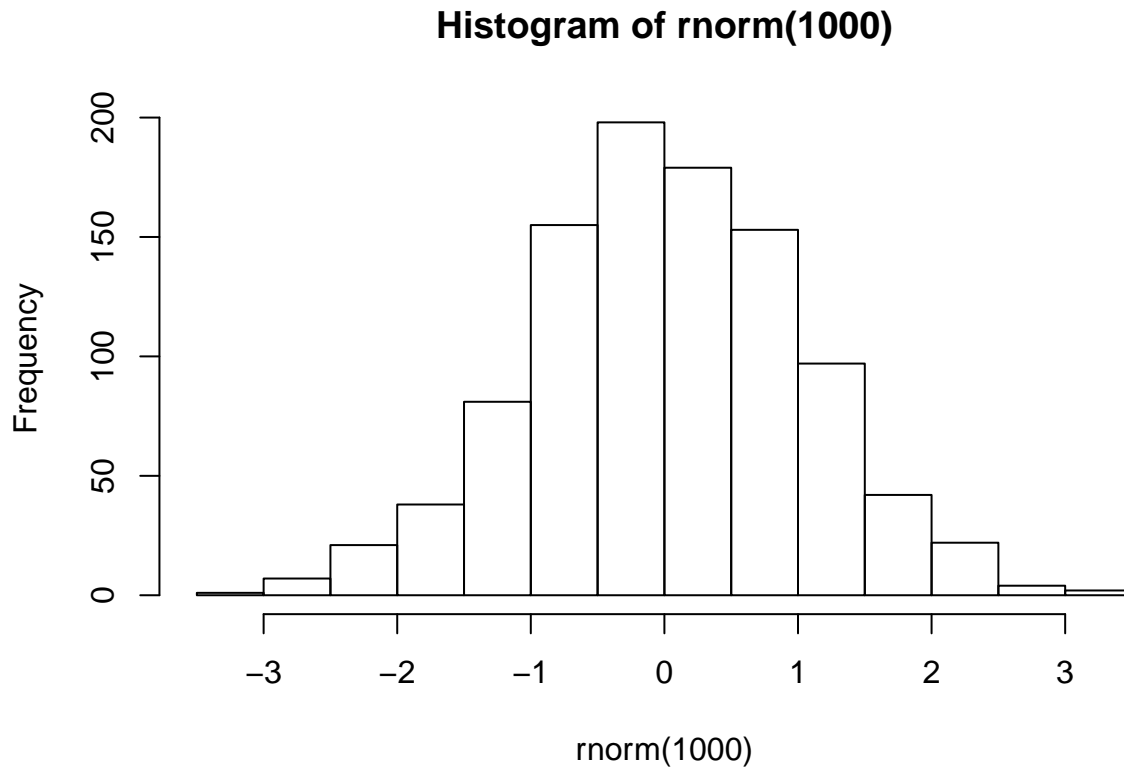```

```
## [1] 5.551115e-17
```

graphics

Graphics are pretty easy.

```
data(mtcars)
plot(mtcars$disp,mtcars$mpg)
```

```r
hist(rnorm(1000))
```

Histogram of rnorm(1000)

inline code

Inline code is designated by single backticks. So we made that `mtcars` plot with `plot(mtcars$disp,mtcars$mpg)`.

math

Sigh. You cannot live without math equations. OK, here we go: $\alpha + \beta = \gamma$. Note this is not supported by native markdown. You probably want to try RStudio, or at least the R package **markdown**, or the function `knitr::knit2html()`.

nested code chunks

You can write code within other elements, e.g. a list

1. Here's one item.

   ```r
   strsplit('hello indented world', ' ')[[1]]
   ```

   ```
   ## [1] "hello"    "indented" "world"
   ```

2. And here's another.

Or inside blockquotes:

> Here is a quote, followed by a code chunk:

```
x = 1:10
rev(x^2)
```

```
##  [1] 100  81  64  49  36  25  16   9   4   1
```

conclusion

We'll do more of this, but now you've got an example.

There's a comprehensive introduction on the R Studio R Markdown site.