knitting with R Markdown

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This is an R Markdown document (.Rmd). R Markdown files are useful for writing up reports; specifically if you want to integrate code and commentary or analysis. To display R code inside an .Rmd doc, we create a code chunk:

```r
print("Hello World")
```

```
## [1] "Hello World"
```

The options `eval = TRUE` and `echo = TRUE` tell the .Rmd doc to run the code chunk and print the output in the .Rmd file.
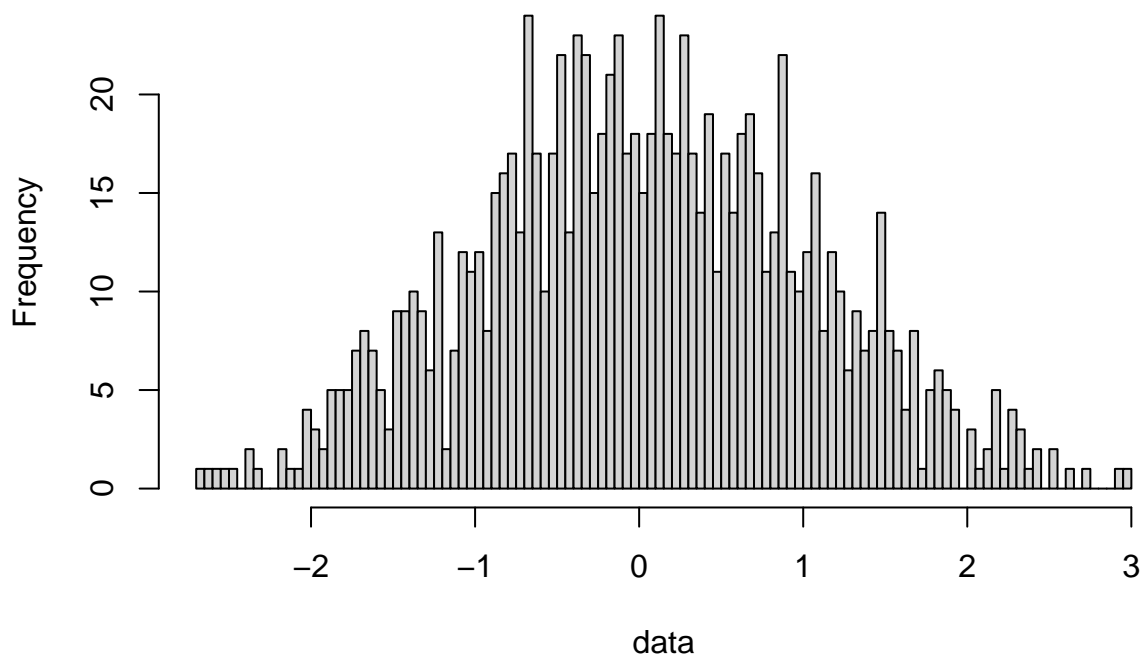
Next, I'll do the same as above except I will tell R **not** to print out my input:

```
## [1] "Hello World"
```

Next let's generate 1000 observations from a N(0,1) distribution and print the histogram of the data with 100 bins.

```r
data <- rnorm(n = 1000, mean = 0, sd = 1)
hist(data, n = 100)
```

Histogram of data

Finally, to convert this entire .Rmd doc to a .pdf or .html file, click "Knit>Knit to pdf" or "Knit>Knit to html" at the top of the source file window.