HW Example

Kris Gunsalus

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R Markdown

This is an R Markdown document. Markdown is a simple formatting syntax for authoring HTML, PDF, and MS Word documents.

For more details on using R Markdown see **http://rmarkdown.rstudio.com**.

You can also refer to the R Markdown Cheatsheet, which may be found here: **https://www.rstudio.com/resources/cheatsheets/**

When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. For example:

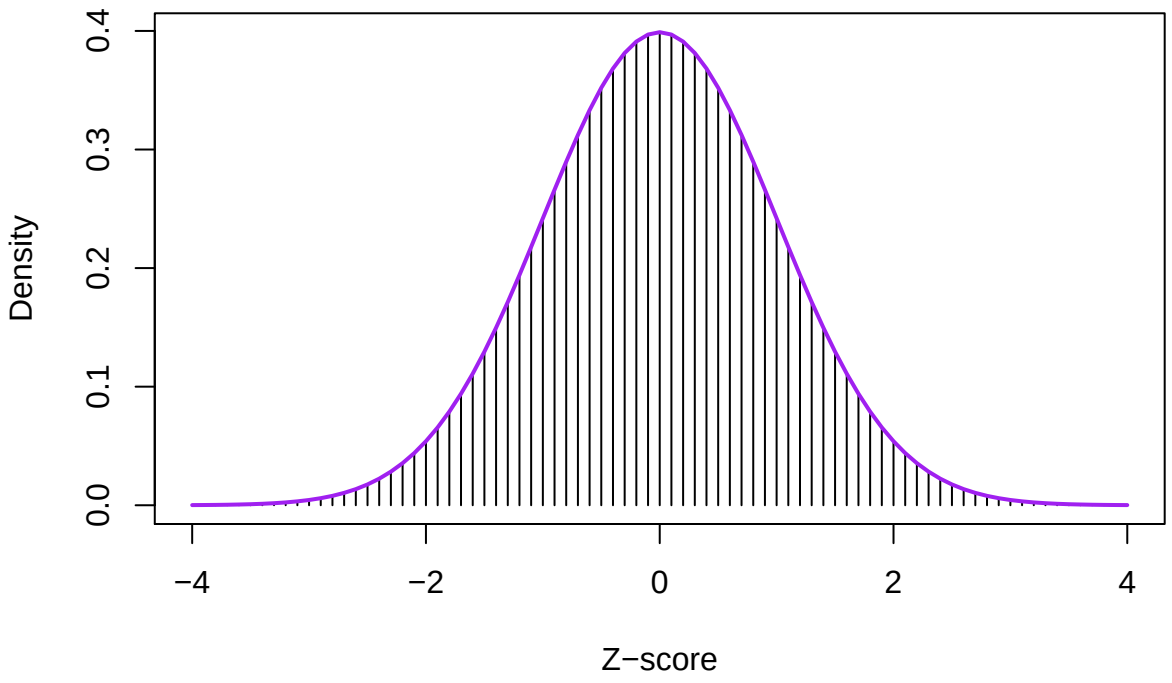
```
hiya <- paste("Hello","world!",sep = " ")
hiya
```

```
## [1] "Hello world!"
```

Embedding Graphics

You can include plots by writing R code to generate them, for example:

```
x<-seq(-4,4,0.1)
y <- dnorm(x)
plot(x,y,type="h", xlab="Z-score", ylab="Density")
lines(x,y,col="purple", lwd=2)
```



Controlling code output

Note that the `echo = TRUE` and `eval = TRUE` parameters cause both the R code that generated the plot and the output to be displayed.

- Setting `echo = FALSE` would hide the code block.
- Setting `eval = FALSE` would prevent the code block from being run.
- The defaults are TRUE, so they are not needed (we show them here for illustrative purposes).

Writing equations

The above is a *density plot* for the **Standard Normal Distribution**:

$$f(x) = \frac{1}{\sqrt{2\pi}} e^{-\frac{x^2}{2}}$$

We have posted an .Rmd version of this document on the course GitHub repository for reference.

Let's get started!