R Markdown Practice

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Directions: Recreate this document using R Markdown. Make sure that you use inline R to report your answers. Your document should look like this document when it is knitted including the directions but have your name in place of the current *Your Name*. Please print (before class) and turn in both the *.Rmd file and the knitted *.pdf file stapled to the back of your *.Rmd file at the start of class 9/14/17. Name your file `firstname_lastname.Rmd` (mine would be `alan_arnholt.Rmd`). Use global options to set the height and width of your figures to 1.5 and 2.5 inches, respectively.

Some Code

```r
set.seed(31)
x <- rnorm(1000, 100, 10)
DF <- data.frame(x = x)
library(ggplot2)
ggplot(data = DF, aes(x = x)) +
  geom_histogram(binwidth = 2, fill = "pink", color = "black") +
  theme_bw() + theme(text=element_text(family="Times", size=12))
```
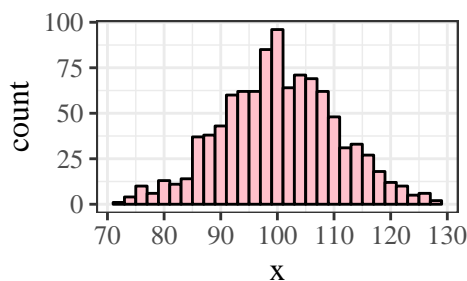
The mean of the graph shown below is $\bar{x} = 100.31$. The standard deviation of the graph below is $s =$10.13. Make sure your answers update properly and are rounded to two decimal places when the value passed to `set.seed()` changes.

```r
summary(DF$x)
```

```
   Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
  71.78   93.60  100.12  100.31  107.10  128.85
```

The third quartile, Q_3, is 107.1

A Graph

Additional Resources

- http://rmarkdown.rstudio.com/
- Cheat Sheets