

# R Markdown Practice

*Your Name*

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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

```
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()
```

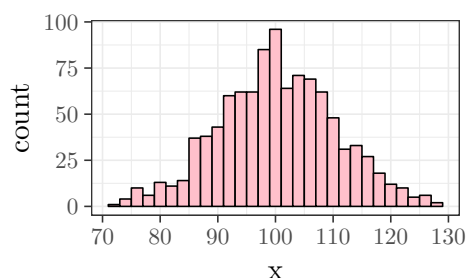
The mean of the graph shown below is  $\bar{x} = 100.31$ . The standard deviation of the graph below is  $s = 10.13$ . Make sure your answers update properly and are rounded to two decimal places when the value passed to `set.seed()` changes.

```
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