PSYC7005 Week 4

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12/10/2020

A Statistics Project for PSYC7005

I decided to supplement my learning of jamovi by attempting the worksheet exercises in R as well. My main source for learning R continues to be swirl, but working on these exercises will support this learning with practical experiences. It took quite a while to figure out how to use ggplots, and I didn't quite get the boxplot to show what I wanted—depicting the points proved challenging, so I'll come back to this later when I understand things more fully.

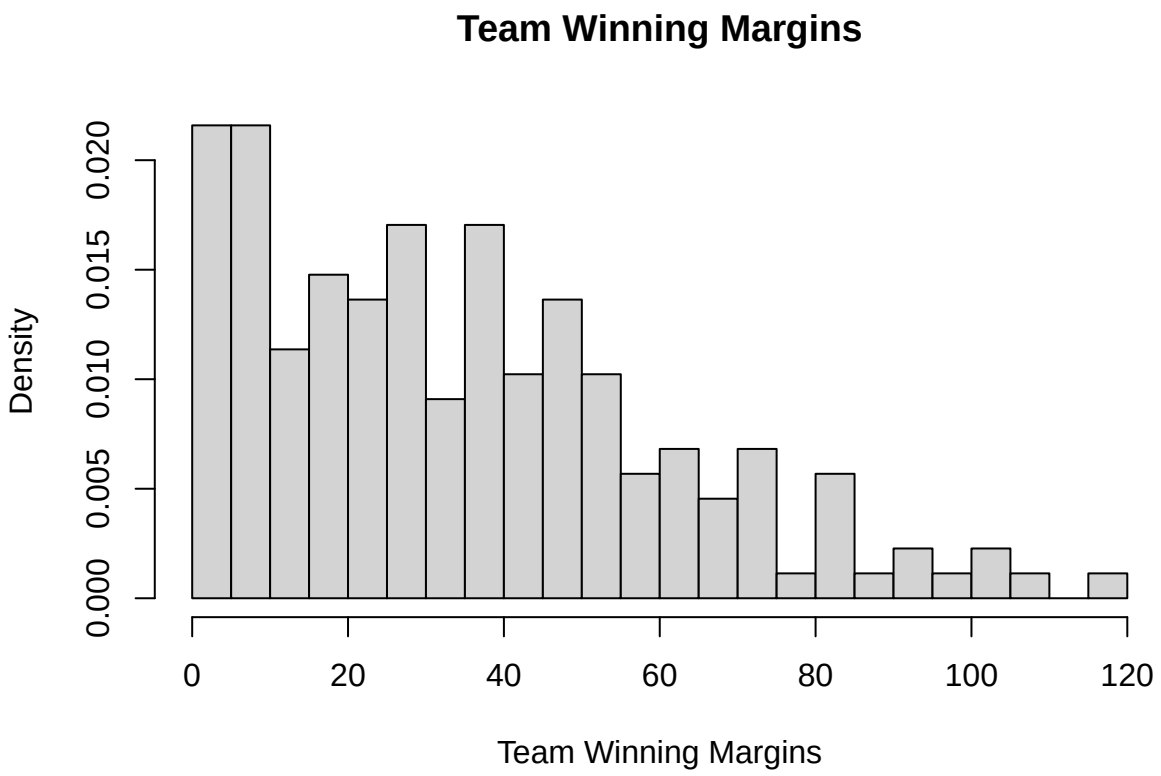
```
library(tidyverse)
```

```
## -- Attaching packages --------------------------------------------------- tidyverse 1.3.0 --
```

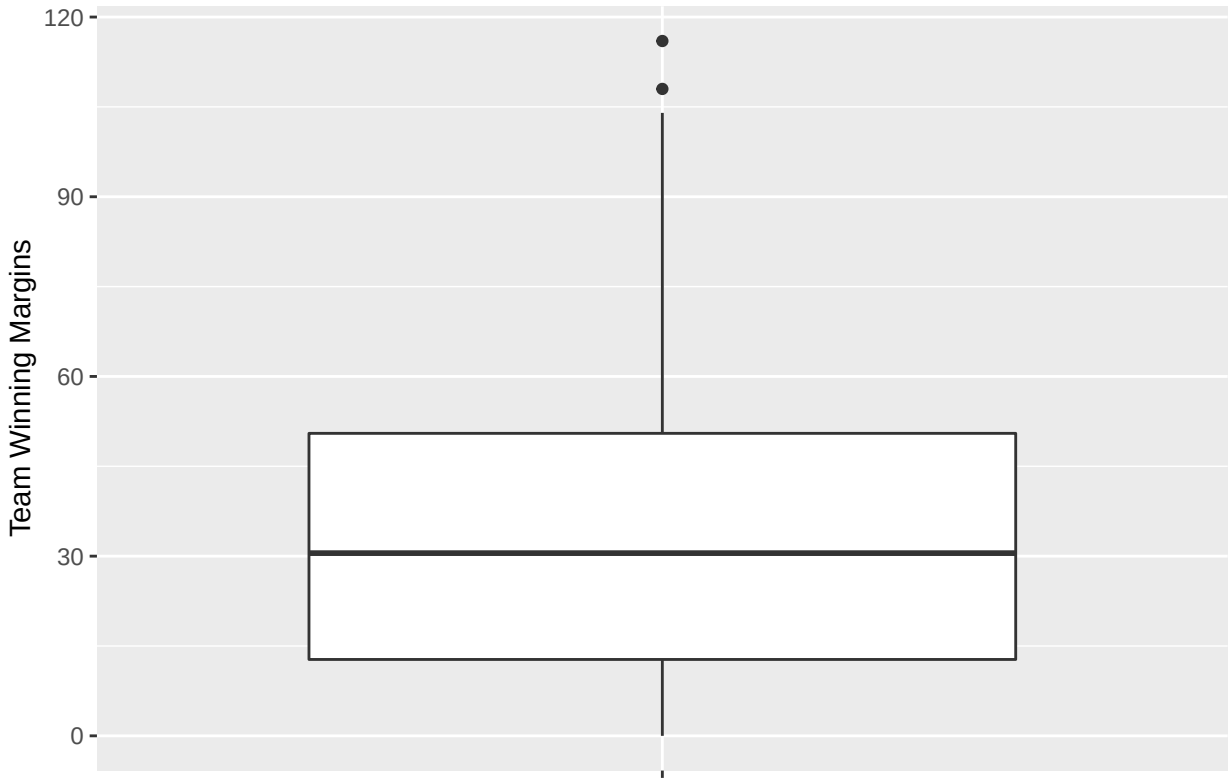
```
## v ggplot2 3.3.2     v purrr   0.3.4
## v tibble  3.0.4     v dplyr   1.0.2
## v tidyr   1.1.2     v stringr 1.4.0
## v readr   1.4.0     v forcats 0.5.0
```

```
## -- Conflicts ------------------------------------------------------ tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()    masks stats::lag()
```

```
library(readxl)
library(ggplot2)
winningmargins <- read.csv("aflsmall_margins.csv", header = TRUE)
hist(winningmargins$afl.margins, main = "Team Winning Margins",
     xlab = "Team Winning Margins", breaks = 20, freq = FALSE)
```




```
ggplot() +
  geom_boxplot(data = winningmargins,
               aes(x = afl.margins, y = ""),
  ) + labs(x = "Team Winning Margins", y = "") + coord_flip() +
  geom_point(mapping = NULL)
```


Team Winning Margins
120
90
60
30
0