An automatically deploying ebook

Alexander Lalejini

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Chapter 1

Introduction

Check out the GitHub repository with all the gears and levers to generate this example: https://github.com/amlalejini/auto-deploying-bookdown-example. If you want to know more about R markdown, check out R Markdown: The Definitive Guide (Xie et al., 2019).

Chapter 2

Rolling Dice

2.1 Dependencies

```
library(ggplot2)
library(tidyverse)
library(cowplot)
source("https://gist.githubusercontent.com/benmarwick/2a1bb0133ff568cbe28d/raw/fb53bd97121f7f9ce9
```

2.2 Setup

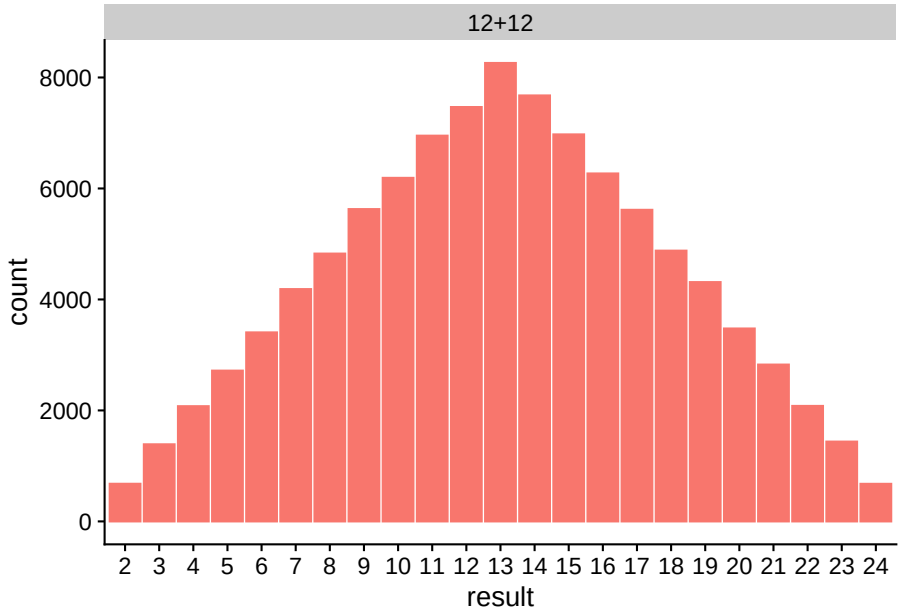
```
data <- read.csv("data/roll_data.csv")
data$die_combo <- paste0(data$die.1, "+", data$die.2)
data$die_combo <- as.factor(data$die_combo)
data$die.1 <- as.factor(data$die.1)
data$die.2 <- as.factor(data$die.2)
data$result <- as.factor(data$value)

theme_set(theme_cowplot())
```

2.3 What values are most common from adding together the results of two twelve-sided dice?

We rolled two twelve-sided dice 100000 times.

```
ggplot(data=filter(data, die_combo=="12+12"), aes(x=result, color=die_combo, fill=die_combo)) +
  geom_histogram(stat="count") +
```

```
  facet_wrap(~die_combo, ncol=1) +
  theme(legend.position="none")
```



Bibliography

Xie, Y., Allaire, J. J., and Grolemund, G. (2019). *R Markdown: the definitive guide*. CRC Press, Taylor and Francis Group, Boca Raton.