Hypothesis Testing Using Randomization

YOUR NAME HERE

2022-09-26

Preliminaries

Load required packages

Be sure that these packages are loaded from R's "library".

```
library(tidyverse)
library(infer)
```

Did Kobe have a hot hand?

Read in the data

```
kobe <- read_csv("https://raw.githubusercontent.com/gregcox7/StatLabs/main/data/kobe.csv")
```

Exercise 1

```
kobe %>%
    group_by(prev_shot, shot) %>%
    summarize(n = n()) %>%
    mutate(p = n / sum(n))
```

```
## `summarise()` has grouped output by 'prev_shot'. You can override using the
## `.groups` argument.

## # A tibble: 4 x 4
## # Groups:   prev_shot [2]
##   prev_shot shot      n     p
##   <chr>     <chr> <int> <dbl>
## 1 prev_H    H        18  0.36
## 2 prev_H    M        32  0.64
## 3 prev_M    H        25  0.410
## 4 prev_M    M        36  0.590
```

YOUR RESPONSE HERE

Exercise 2

Insert any text here.

```
# Insert code for Exercise 2 here
```

Exercise 3

Insert any text here.

```
# Insert code for Exercise 3 here
```

Exercise 4

Insert any text here.

```
# Insert code for Exercise 4 here
```

Exercise 5

Insert any text here.

```
# Insert code for Exercise 5 here
```

Exercise 6

Insert any text here.

```
# Insert code for Exercise 6 here
```

Exercise 7

Insert any text here.

```
# Insert code for Exercise 7 here
```