

Birth Month Hypothesis

Data and Information Engineering

SYS 2202 | Fall 2019

birthmonth.pdf

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Required Packages and Data

```
library(Lahman)      # may need to: install.packages("Lahman")
library(tidyverse)
```

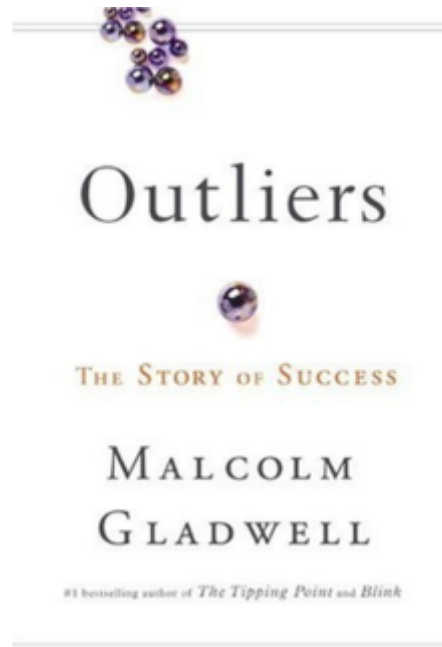
1 Birth Month Hypothesis

1.1 Birth Month and Performance

Does the month of your birth impact your chances of success?

Several researchers have found evidence to support this!

- [Interview with Gladwell](#)
- [Australia](#)



1.2 Birth Months and Baseball

The Lahman package has lots of baseball data.

Your Turn #1

1. Install the Lahman R package
2. Load the Lahman package and the Master data

```
library(Lahman)  
data(Master)
```

3. Take a peek (or glimpse) at the Master data. Does it contain what we need to test the birth month hypothesis?

1.3 Visualizing the Data

Your Turn #2

1. What calculations do we need to perform?
2. What type of plot should we make?

1.4 Testing the hypothesis

Your Turn #3

1. How should we test the hypothesis?
2. Any other considerations before we make a conclusion?