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Improve your skills - and your career

No matter what industry you're in, learning how to analyze and understand your data is critical. That's why DataCamp provides you with the tools to learn the data science skills you need to start your own data projects.

Create a Histogram

100xp

Another function that Filip introduced in the video, is `hist()`. Basically, the `hist()` function visualizes the distribution of your data by placing all values in bins and displaying the bin frequencies of each bin. Have a look at the usage of the `hist()` function:

```
hist(x, breaks = "Sturges")
```

`x` is the vector of values for which you want to create a histogram. The `breaks` argument specifies how many bins, or histogram cells, your plot should contain. By default, the "Sturges" algorithm is used to automatically determine the number of bins.

This slightly positive correlation has got you thinking about the `rating` variable of the `movies` data frame. Maybe a quick peek at its distribution might help your understanding.

Instructions

- Create a histogram of the `rating` variable of `movies`.
- Do the same thing, but this time set the number of bins to 20 with the `breaks` argument.

✕ 🔔 [Take Hint \(-30xp\)](#)

Incorrect submission

Did you correctly specify the argument `breaks` in your call of `hist()`?

How helpful is this feedback? ☐ ☐ ☐ ☐

script.R

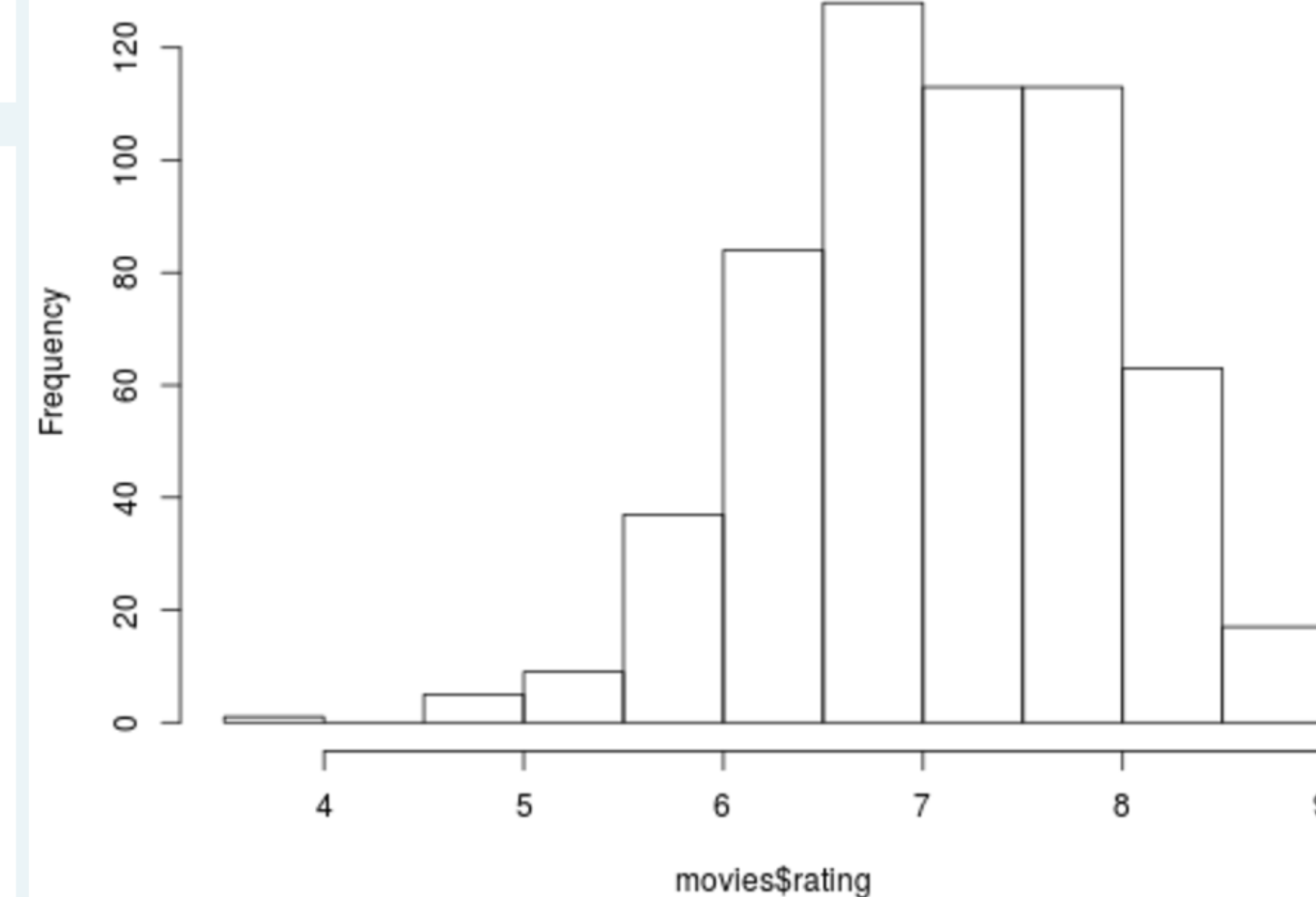
```
1 # movies is already pre-loaded
2
3 # Create a histogram for rating
4 hist(movies$rating)
5
6 # Create a histogram for rating, with 20 bins
7 hist(movies$rating, breaks = 10)
```



Submit Answer

Plots

Histogram of movies\$rating



< Previous Plot

2/2

R Console

```
> # movies is already pre-loaded
>
> # Create a histogram for rating
> hist(movies$rating)
>
> # Create a histogram for rating, with 20 bins
> hist(movies$rating, breaks = 10)
> |
```




Introduction to R



Intro to Python for Data Science



Intermediate R



Intermediate Python for Data Science



Writing Functions in R



Importing Data in Python (Part 1)



Importing Data Into R



Importing Data in Python (Part 2)



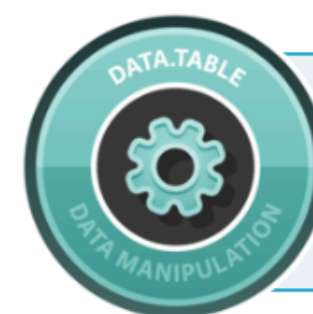
Cleaning Data in R



Python Data Science Toolbox (Part 1)



Data Manipulation in R with dplyr



Data Analysis in R, the data.table Way



Data Visualization in R with ggvis



Data Visualization with ggplot2 (Part 1)

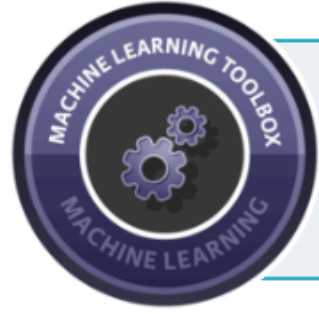




Data Visualization with ggplot2 (Part 2) ›



Introduction to Machine Learning ›



Machine Learning Toolbox ›



Reporting with R Markdown ›



R for SAS, SPSS and STATA Users ›



Credit Risk Modeling in R ›



Introduction to Portfolio Analysis in R ›



Intermediate R - Practice ›



Importing & Cleaning Data in R: Case St... ›



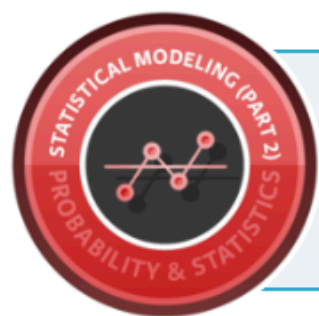
Exploring Pitch Data with R ›



Text Mining: Bag of Words ›



Statistical Modeling in R (Part 1) ›



Statistical Modeling in R (Part 2) ›



Working with the RStudio IDE (Part 1) ›

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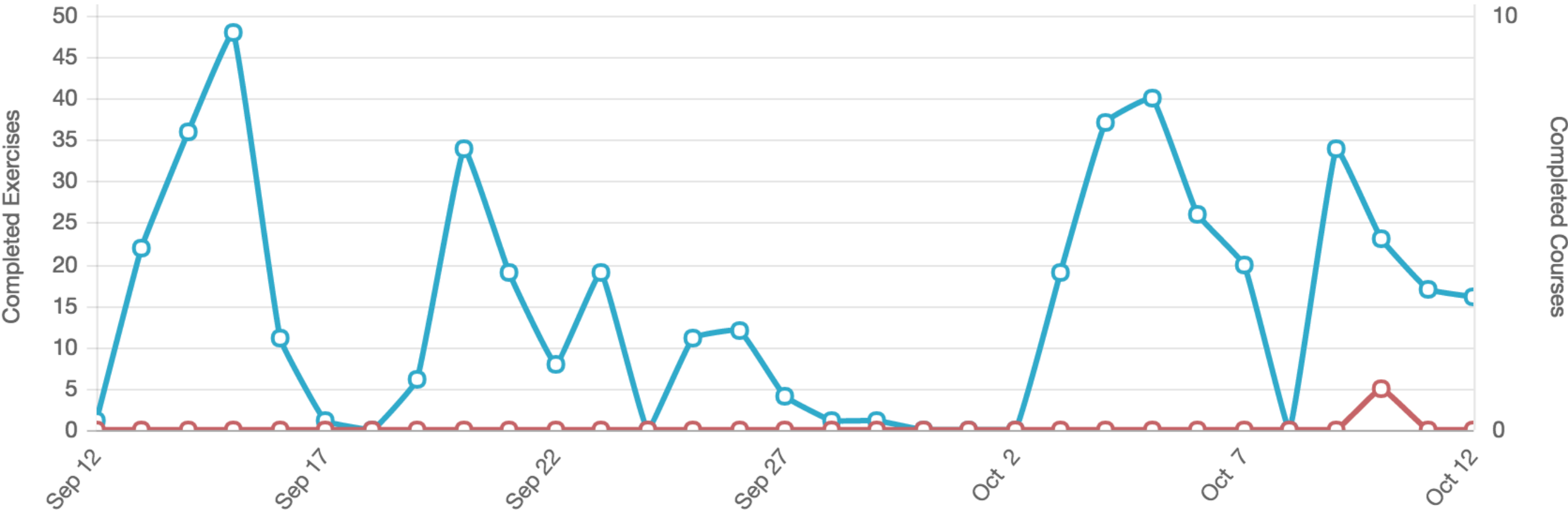


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○ Exercise Completions

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Assignments



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34,001 XP



Hugo Bowne-Anderson

36,092 XP



Lore Dirick

13,525 XP



Nick Carchedi

58,730 XP



Weston Stearns

9,160 XP



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Psst... it's pronounced Martin



Martijn would love to
schedule a demo for you or
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