

[**Sal Hobbi - Instructor**](https://app.slack.com/team/U02ABPZTCGJ)  [4:04 PM](https://utorvirtdata-doe5678.slack.com/archives/C02A2J89TQA/p1638216255016400)

**@channel**, Online training resources for R:  
<https://www.codecademy.com/learn/learn-r><https://www.edx.org/learn/r-programming><https://www.youtube.com/watch?v=BvKETZ6kr9Q> (50min)<https://www.guru99.com/r-tutorial.html> (edited)

Codecademy**Codecademy**

[**Learn R | Codecademy**](https://www.codecademy.com/learn/learn-r)

Codecademy is the easiest way to learn how to code. It's interactive, fun, and you can do it with your friends.

**edX**

[**Learn R Programming with Online Courses and Lessons**](https://www.edx.org/learn/r-programming)

Free R programming courses. Learn R programming skills from Harvard, Microsoft, and other top institutions. Advance your career with these online courses. Join today.

[YouTube](https://www.youtube.com/)[**YouTube**](https://www.youtube.com/) | [R Programming - DDS](https://www.youtube.com/c/RProgrammingDDS)

[**R Programming for Beginners | Complete Tutorial | R & RStudio**](https://www.youtube.com/watch?v=BvKETZ6kr9Q)

Guru99**Guru99**

[**R Tutorial for Beginners: Learn R Programming Language**](https://www.guru99.com/r-tutorial.html)

R Tutorial, Learn R Programming - This is a complete course on R language for beginners and covers basics on how to learn r, installation, R variables, R data types to advance topics with examples.



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Python vs. R? Check out the following recent articles:  
<https://www.coursera.org/articles/python-or-r-for-data-analysis> (Oct, 2021)  
<https://www.imaginarycloud.com/blog/r-vs-python/> (May, 2021)  
<https://flatironschool.com/blog/r-vs-python> (Feb, 2021)  
<https://www.dataquest.io/blog/python-vs-r/> (*Oct, 2020)*  
<https://www.datacamp.com/community/tutorials/r-or-python-for-data-analysis> (Jan, 2020)

Coursera**Coursera**

[**Python or R for Data Analysis: Which Should I Learn?**](https://www.coursera.org/articles/python-or-r-for-data-analysis)

Is it better to learn R or Python for a career as a data analyst? Learn more about how to choose the best statistical programming language for your career goals.

Blog | Imaginary Cloud**Blog | Imaginary Cloud**

[**R vs Python: The Data Science language debate**](https://www.imaginarycloud.com/blog/r-vs-python/)

R and Python are the most popular Data Science languages. They are both open-source and excel at data analysis. This article explains their key differences!

**Written by**

Mariana Berga

**Filed under**

Data Science

May 20th

<https://www.imaginarycloud.com/blog/r-vs-python/>

flatironschool.com**flatironschool.com**

[**R Vs Python: Which One Should You Learn?**](https://flatironschool.com/blog/r-vs-python)

Should I learn R or Python? It's a good question. Here we give you the definitive answer based on use cases, popularity, ease of learning, and more.

Dataquest**Dataquest**

[**R vs Python for Data Analysis — An Objective Comparison**](https://www.dataquest.io/blog/python-vs-r/)

R vs Python — which is better for data analysis and data science? Compare the two languages side by side for an objective answer!

**Written by**

Vik Paruchuri

**Est. reading time**

18 minutes

Oct 21st, 2020

<https://www.dataquest.io/blog/python-vs-r/>



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RStudio keyboard shortcuts:  
<https://support.rstudio.com/hc/en-us/articles/200711853-Keyboard-Shortcuts>

RStudio Support**RStudio Support**

[**Keyboard Shortcuts in the RStudio IDE**](https://support.rstudio.com/hc/en-us/articles/200711853-Keyboard-Shortcuts)

Keyboard Shortcuts This information is available directly in the RStudio IDE under the Tools menu: Tools → Keyboard Shortcuts Help. Shortcuts in this article last updated for RStudio IDE version ...



[**Laurel Lobo - Assistant Instructor**](https://app.slack.com/team/U02ADDDQKEG)  [8:14 PM](https://utorvirtdata-doe5678.slack.com/archives/C02A2J89TQA/p1638231255019300)

<https://www.rstudio.com/products/rstudio/download/>

rstudio.com**rstudio.com**

[**Download the RStudio IDE**](https://www.rstudio.com/products/rstudio/download/)

RStudio is a set of integrated tools designed to help you be more productive with R. It includes a console, syntax-highlighting editor that supports direct code execution, and a variety of robust tools for plotting, viewing history, debugging and managing your workspace.

<https://www.rstudio.com/products/rstudio/download/>

**Tuesday, November 30th**



[**Sal Hobbi - Instructor**](https://app.slack.com/team/U02ABPZTCGJ)  [12:59 AM](https://utorvirtdata-doe5678.slack.com/archives/C02A2J89TQA/p1638248356022400)

**@channel**, during the review of the last activity, a question came up about re-writing a code snippet using the pipe (%>%) operator.So here’s the current code without using pipes:

{r}

passing\_reading <- filter(students, reading\_score >= 70)

passing\_reading\_count <- nrow(passing\_reading)

percentage\_passing\_reading <- passing\_reading\_count\*100 / student\_count

percentage\_passing\_reading <- round(percentage\_passing\_reading,2)

paste("No PIPES:",percentage\_passing\_reading , "% of the students have passing reading scores.")

And the snippet that uses pipes:

{r}

doPercent <- function(a, b){

return (a \* 100 / b)

}

x<- students %>% filter(reading\_score >= 70) %>% nrow() %>% doPercent(student\_count) %>% round(2)

paste("With PIPES:", x , "% of the students have passing reading scores.")

:+1:3

**Wednesday, December 1st**



[**Sal Hobbi - Instructor**](https://app.slack.com/team/U02ABPZTCGJ)  [10:08 PM](https://utorvirtdata-doe5678.slack.com/archives/C02A2J89TQA/p1638410921023900)

Additional Resources for Statistical Analysis:  
<https://www.statisticshowto.com/probability-and-statistics/t-test/>  
<https://www.scribbr.com/statistics/t-test/>  
<https://blog.minitab.com/en/statistics-and-quality-data-analysis/what-are-t-values-and-p-values-in-statistics>  
<https://www.machinelearningplus.com/statistics/t-test-students-understanding-the-math-and-how-it-works/>  
<https://blog.minitab.com/en/statistics-and-quality-data-analysis/what-are-degrees-of-freedom-in-statistics>

Statistics How To**Statistics How To**

[**T Test (Student's T-Test): Definition and Examples**](https://www.statisticshowto.com/probability-and-statistics/t-test/)

T test definition. Types of t test. Step by step examples for solving problems using graph, Student's t-test tables and calculators.

**Est. reading time**

6 minutes

<https://www.statisticshowto.com/probability-and-statistics/t-test/>

Scribbr**Scribbr**

[**An introduction to t-tests**](https://www.scribbr.com/statistics/t-test/)

A t-test is a statistical test that is used to compare the means of two groups. It is often used in hypothesis testing to determine whether a process or

**Written by**

Rebecca Bevans

**Est. reading time**

6 minutes

Jan 31st, 2020 (14 kB)

<https://www.scribbr.com/statistics/t-test/>

blog.minitab.com**blog.minitab.com**

[**What Are T Values and P Values in Statistics?**](https://blog.minitab.com/en/statistics-and-quality-data-analysis/what-are-t-values-and-p-values-in-statistics)

What Are T Values and P Values in Statistics?

Machine Learning Plus**Machine Learning Plus**

[**T Test (Students T Test) - Understanding the math and how it works - Machine Learning Plus**](https://www.machinelearningplus.com/statistics/t-test-students-understanding-the-math-and-how-it-works/)

T Test (Students T Test) is one of the foundational statistical tests. It is used to compare the means of two groups and determine if the difference is statistically significant.

**Written by**

Selva Prabhakaran

**Est. reading time**

11 minutes

Oct 1st, 2020

blog.minitab.com**blog.minitab.com**

[**What Are Degrees of Freedom in Statistics?**](https://blog.minitab.com/en/statistics-and-quality-data-analysis/what-are-degrees-of-freedom-in-statistics)

What Are Degrees of Freedom in Statistics? (45 kB)

<https://blog.minitab.com/en/statistics-and-quality-data-analysis/what-are-degrees-of-freedom-in-statistics>

**Monday, December 6th**

