Online Lecture Series: Introduction to R Programming

February 6-7-8, 2021





Was created by Ross Ihaka & Robert Gentleman

R is the top Google Search for Advanced Analytics Software

First version released-March 1995



Used by more than 2 million people worldwide

Named after the first letter of the founders

Most-used
Data Science
language after SQL



Open-source Tool

Why Learn

02 Large Community of Users



- Latest cutting edge technology
- 04 Independent Platform

Has a Robust visualization library

Gateway to

lucrative career

05

Go to language for Stats. & Data Science

Used in almost every industry

What is R?

R is a programming language used for statistical computing and analysis.

The main goal behind the creation of R was to make a tool that was affordable, easy-to-learn and capable of handling complex mathematical and statistical calculations.

Today, R is one of the most popular programming languages used by data analysts and data scientists in the world.

It is a programming language with one of the largest user bases.

Even more exciting is the fact that it is completely free as R is an open-source programming language.

R's capabilities do not end at data analysis or statistics. It is useful for many disciples like data science, machine learning, data visualization, etc.



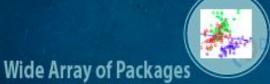
Features of R Programming

Various Graphical Libraries





Fast Calculation





Handling all Sorts of Data







Open-Source



Why Learn R?





Applications of **Q**











E-Commerce







Companies that use R for Analytics



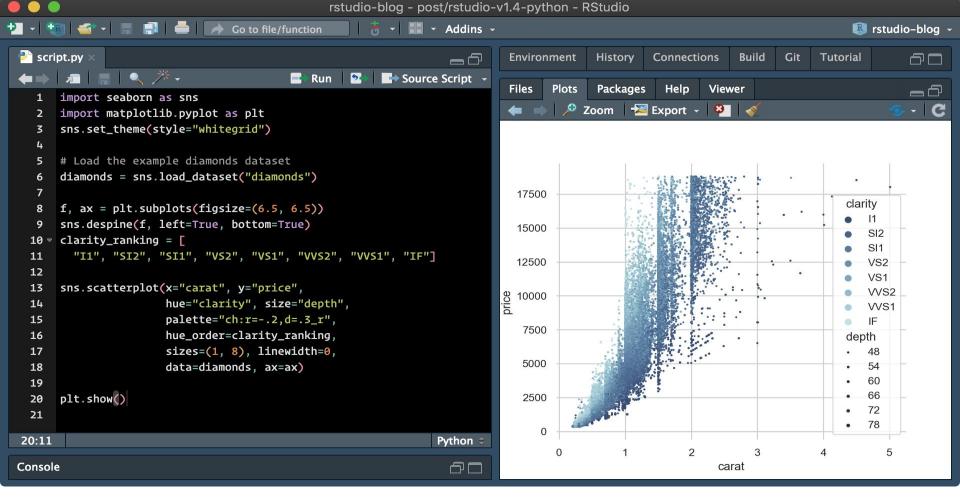
Audience

Anyone

- who wants to learn basics of R programming
- who has long term plans about Data Science
- who comes from the various departments like Statistics, Mathematics, Industrial Engineering, Economics, etc.

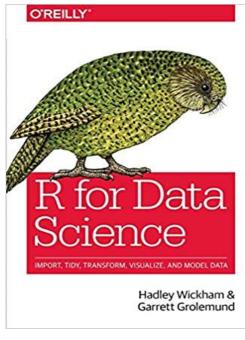


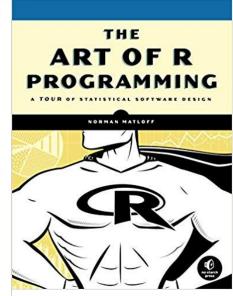
- First, you can install R by going to https://cran.r-project.org. You should see the options to download for Windows, Mac and Linux. Follow the command prompts on your screen just like you would install any other software.
- Next, you should install RStudio. Why should I install RStudio too?
- When you installed R, you only installed the software. It is hard to code directly to the software, so RStudio is an interface (other software) that makes it easier to write R code and execute it. Go to https://www.rstudio.com/products/rstudio/download/#do wnload and pick the installer for your operating system. Again, follow the prompts like you would install any other software on your computer.
- You can check; https://courses.edx.org/courses/UTAustinX/UT.7.01x/3T 2014/56c5437b88fa43cf828bff5371c6a924/

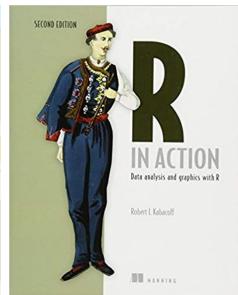


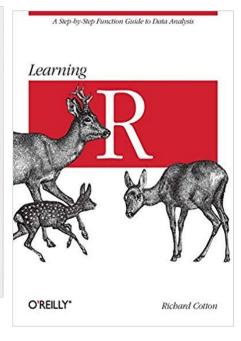
About new Version RStudio 1.4: https://blog.rstudio.com/2021/01/19/announcing-rstudio-1-4/











Further Books:

https://rstudio.com/resources/books/

https://www.programmingcube.com/best-r-programming-books/

https://hackr.io/blog/best-r-books

KEEP in TOUCH

- https://www.linkedin.com/in/ozanevkaya/
- https://www.researchgate.net/profile/Ozan_Evkaya
- https://www.instagram.com/ozanevkaya/
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