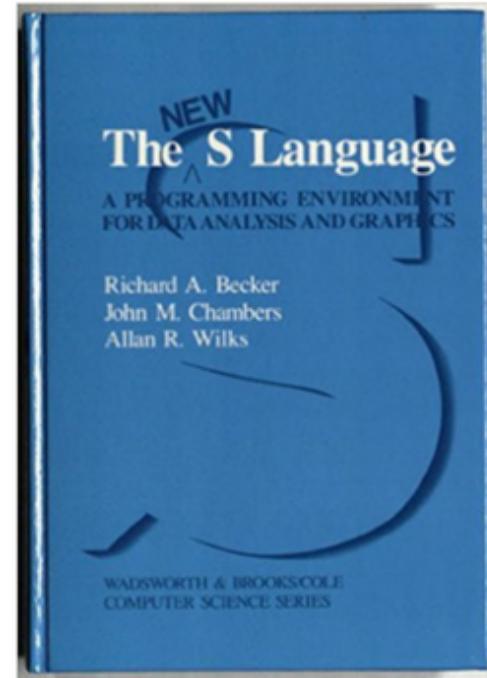


#rstats

S Language



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The R Project for Statistical Computing

Getting Started

R is a free software environment for statistical computing and graphics. It compiles and runs on a wide variety of UNIX platforms, Windows and Mac OS. To [download R](#), please choose your preferred CRAN mirror.

If you have questions about R like how to download and install the software, or what the license terms are, please read our [answers to frequently asked questions](#) before you send an email.

News

- [R version 3.5.0 \(Joy in Playing\) prerelease versions](#) will appear starting Friday 2018-03-23.
Final release is scheduled for Monday 2018-04-23.
- [R version 3.4.4 \(Someone to Lean On\)](#) has been released on 2018-03-15.
- [useR! 2018](#) (July 10 - 13 in Brisbane) is open for registration at <https://user2018.r-project.org>
- [The R Journal Volume 9/2](#) is available.
- [R version 3.3.3 \(Another Canoe\)](#) has been released on Monday 2017-03-06.
- [useR! 2017](#) took place July 4 - 7 in Brussels <https://user2017.brussels>
- The [R Logo](#) is available for download in high-resolution PNG or SVG formats.

The Comprehensive R Archive Network

Download and Install R

Precompiled binary distributions of the base system and contributed packages, **Windows and Mac** users most likely want one of these versions of R:

- [Download R for Linux](#)
- [Download R for \(Mac\) OS X](#)
- [Download R for Windows](#)

R is part of many Linux distributions, you should check with your Linux package management system in addition to the link above.

Source Code for all Platforms

Windows and Mac users most likely want to download the precompiled binaries listed in the upper box, not the source code. The sources have to be compiled before you can use them. If you do not know what this means, you probably do not want to do it!

- The latest release (2018-03-15, Someone to Lean On) [R-3.4.4.tar.gz](#), read [what's new](#) in the latest version.
- Sources of [R alpha and beta releases](#) (daily snapshots, created only in time periods before a planned release).
- Daily snapshots of current patched and development versions are [available here](#). Please read about [new features and bug fixes](#) before filing corresponding feature requests or bug reports.
- Source code of older versions of R is [available here](#).
- Contributed extension [packages](#)

Questions About R

- If you have questions about R like how to download and install the software, or what the license terms are, please read our [answers to frequently asked questions](#) before you send an email.

The R Foundation

The R Foundation is a not for profit organization working in the public interest. It has been founded by the members of the R Development Core Team in order to

- Provide support for the R project and other innovations in statistical computing. We believe that R has become a mature and valuable tool and we would like to ensure its continued development and the development of future innovations in software for statistical and computational research.
- Provide a reference point for individuals, institutions or commercial enterprises that want to support or interact with the R development community.
- Hold and administer the copyright of R software and documentation.

R is an official part of the [Free Software Foundation's GNU project](#), and the R Foundation has similar goals to other open source software foundations like the [Apache Foundation](#) or the [GNOME Foundation](#).

Among the goals of the R Foundation are the support of continued development of R, the exploration of new methodology, teaching and training of statistical computing and the organization of meetings and conferences with a statistical computing orientation. We hope to attract sufficient funding to make these goals realities.

The **R Foundation Statutes** can be downloaded as PDF file in [English](#) or [German](#).



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A dark blue background featuring a complex network of glowing red and blue dots connected by thin lines, resembling a neural network or a complex data graph.

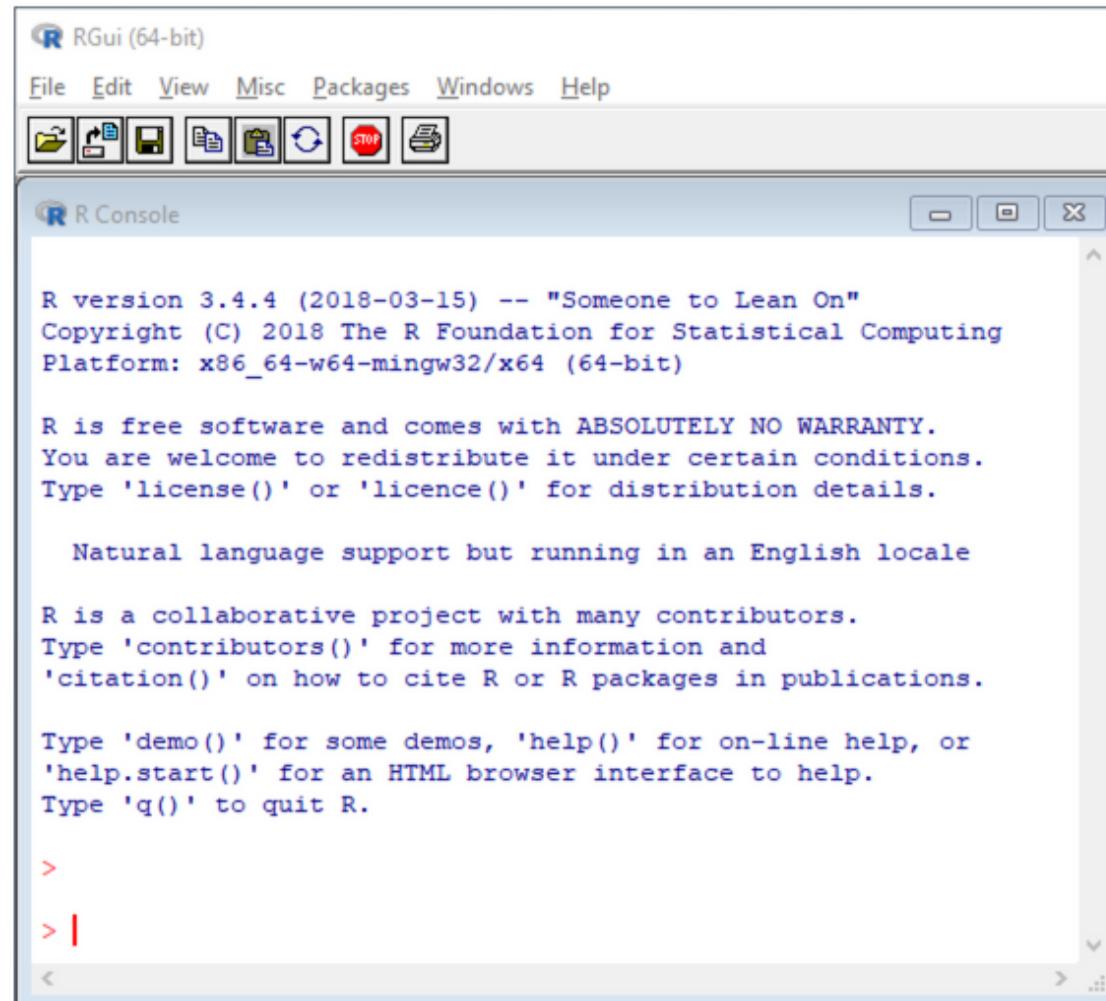
R Consortium: Supporting the R community, the R Foundation and organizations developing, maintaining and distributing R software.

Operating Systems

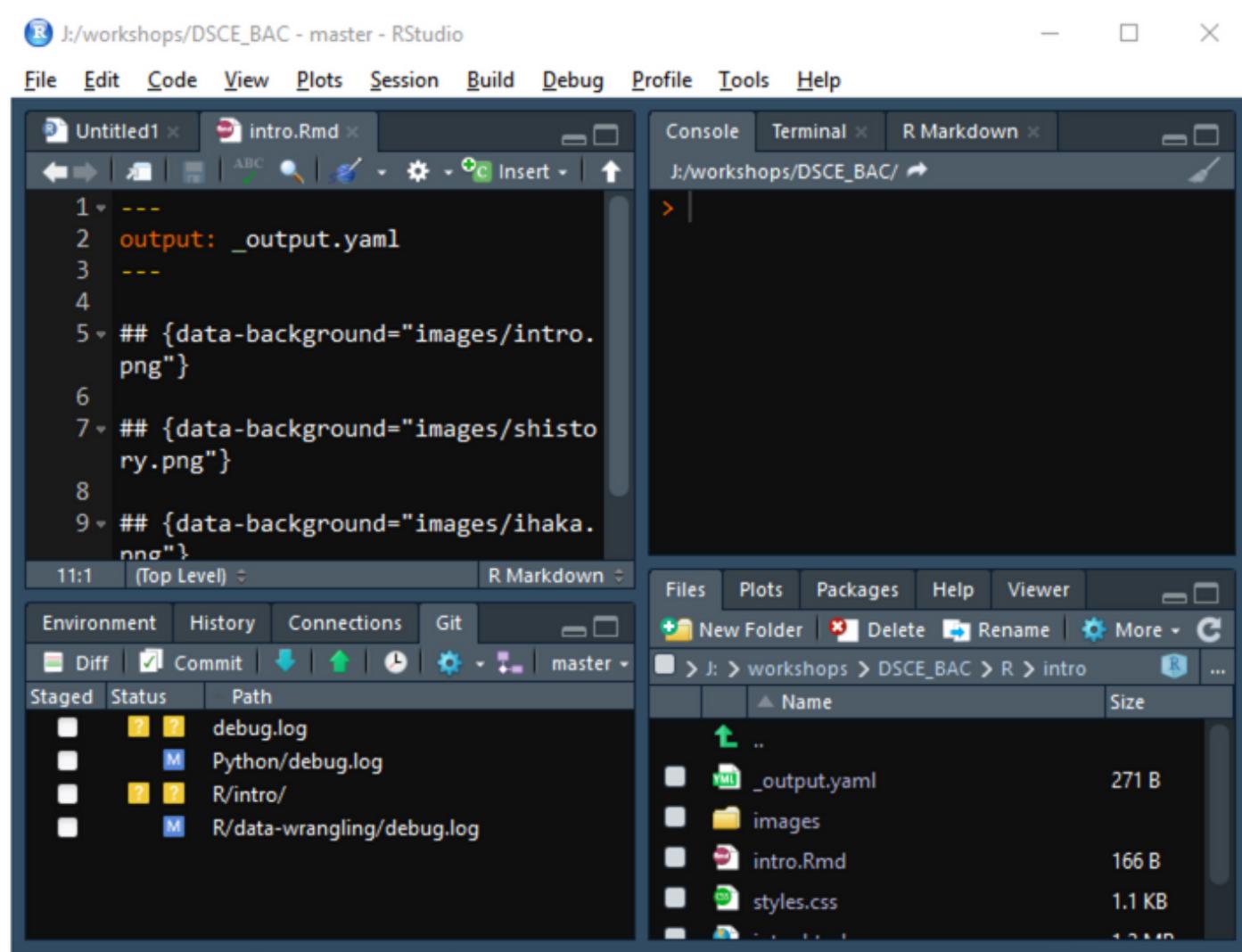




R GUI



RStudio IDE



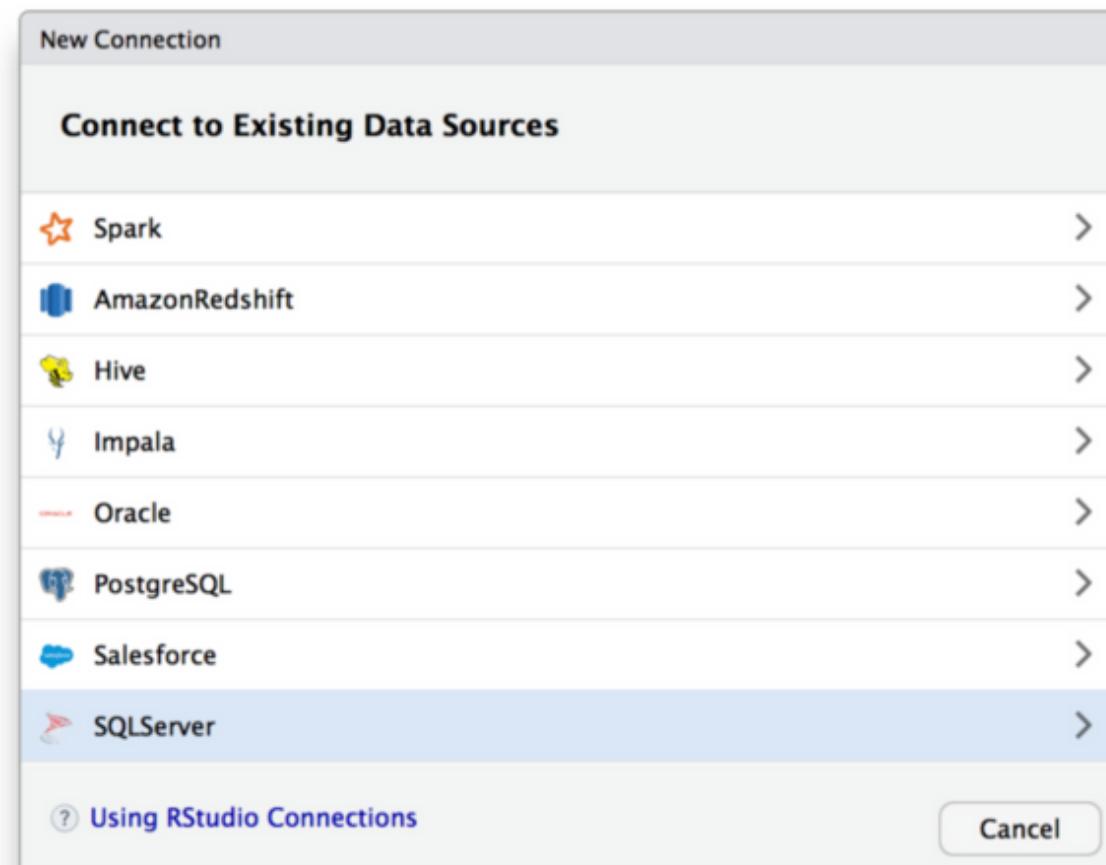
Data Input

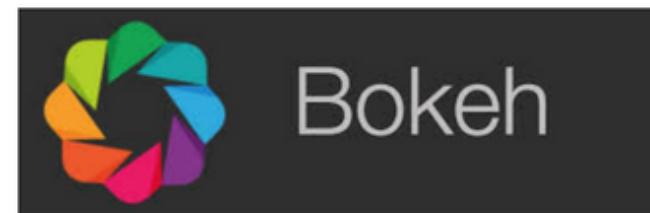


Databases

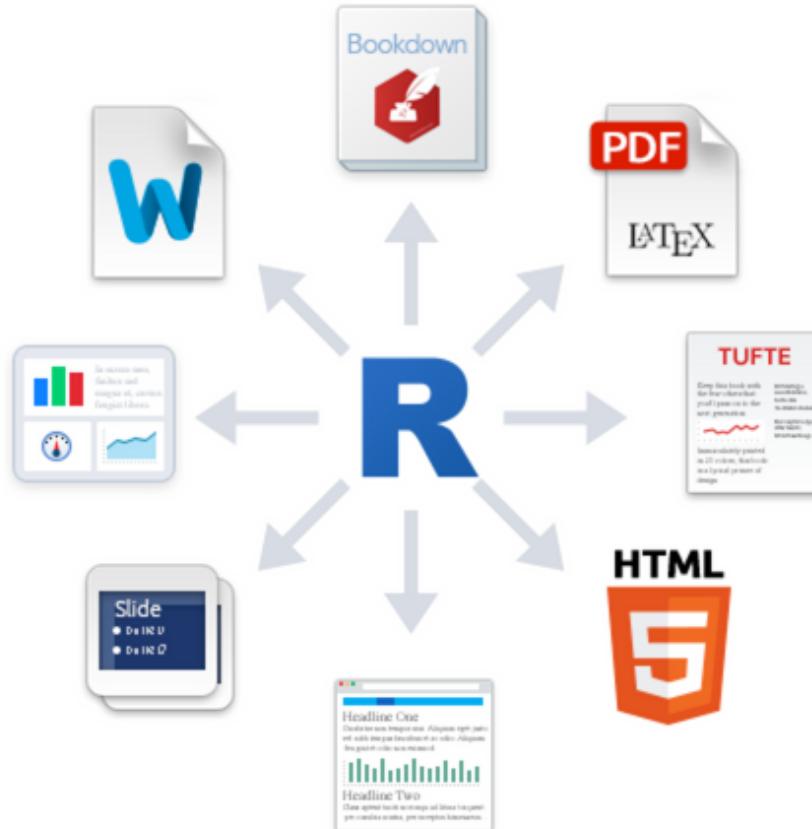


Databases

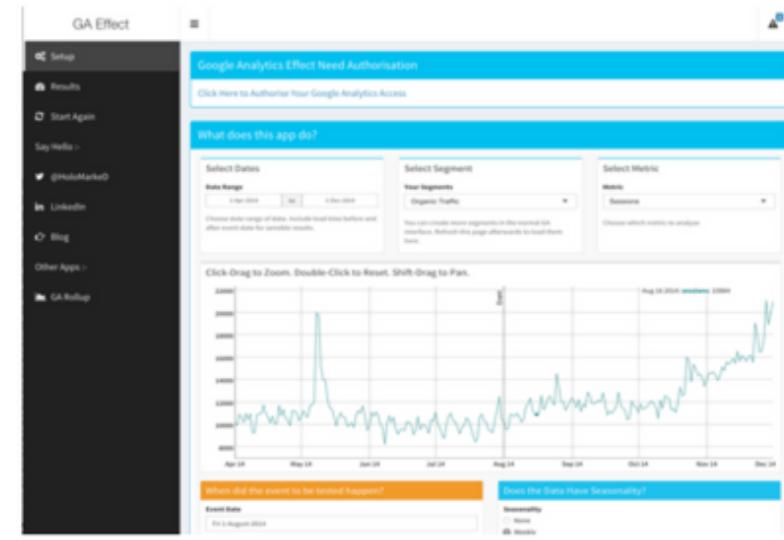




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votes I want to pass on a (function) user-specified column-name in a call to do() in version 0.7.4 of dplyr. This does seem somewhat less awkward than the older standard evaluation approach using do_(). A ...
answers 
asked 7 mins ago by  [stephematician](#) 543 ● 3 ● 13

0 [Error in FUN\(X\[\[i\]\], ...\) : The constraint function fails for animal 1 : it should work at least for all observed trajectories](#)
votes data(puechcirc) data(puechabonsp) boar1 <- puechcirc[1] head(puechabonsp) \$map Object of class "SpatialPixelsDataFrame" (package sp): Grid parameters: cellcentre.offset cellsize cells....
answers 
asked 10 mins ago by  [S.LYN](#) 1 ● 1

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Posted by Keith Goldfeld, now on R-bloggers: Testing multiple interventions in a single experiment #rstats

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A reader recently inquired about functions in simstudy that could generate data for a balanced multi-factorial design. I had to report that nothing really exists. A f...
r-bloggers.com

Thomas Hüter @DerFredo · 7m
Posted by Keith Goldfeld, now on R-bloggers: Testing multiple interventions in a single experiment #rstats

Dan Bowen @danpbowen · 8m
#rstats Maybe this is a weird question, but nested data frames seem like relational databases packed into a nice, tidy table. Has anyone figured out a way to automatically define a set of relational database tables to represent the nested data frame's structure? nested df > sql

R-bloggers @Rbloggers · 10m
Testing multiple interventions in a single experiment wp.me/pMm6L-GdK
#rstats #DataScience

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Testing multiple interventions in a single experiment

April 18, 2018
By Keith Goldfeld

A reader recently inquired about functions in simstudy that could generate data for a balanced multi-factorial design. I had to report that nothing really exists. A few weeks later, a colleague of mine asked if I could help estimate the appropriate sample size for a study that plans to use a multi-factorial design to

choose among a set of...

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Look, something shiny: How to use R Shiny to make Münster traffic data accessible. Join MünsteR for our next meetup!

Summer Interns

April 18, 2018
By Becky Bajan

We were thrilled by the response to our summer internship program. After carefully reviewing over 250 applications, we have made our...

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- How to write the first for loop in R
- Installing R packages
- How to Make a Histogram with Basic R
- How to perform a Logistic Regression in R
- Using apply, sapply, lapply in R
- Applied Economic Analysis With R – Part 1: Exercises
- How do I interpret the AIC
- How to Make a Histogram with ggplot2
- Tutorials for learning R

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- [Testing multiple interventions in a single experiment](#) (www.rdatagen.net)
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16 Apr 2018   

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Naming: do we call it "core tidyverse" vs.?	tidyverse		28	315	4h
Successfully publish the website, but unable to open it	shiny		4	25	4h
Probability CAVS win the series	General		1	11	5h
RStudio Server Start & Stop using non root user account	General		2	28	7h
Reticulate, source_python and exec problems	General		4	45	7h
How to use mutate to create variable applying function by rows	tidyverse		3	55	7h

useR! — International R User Conference

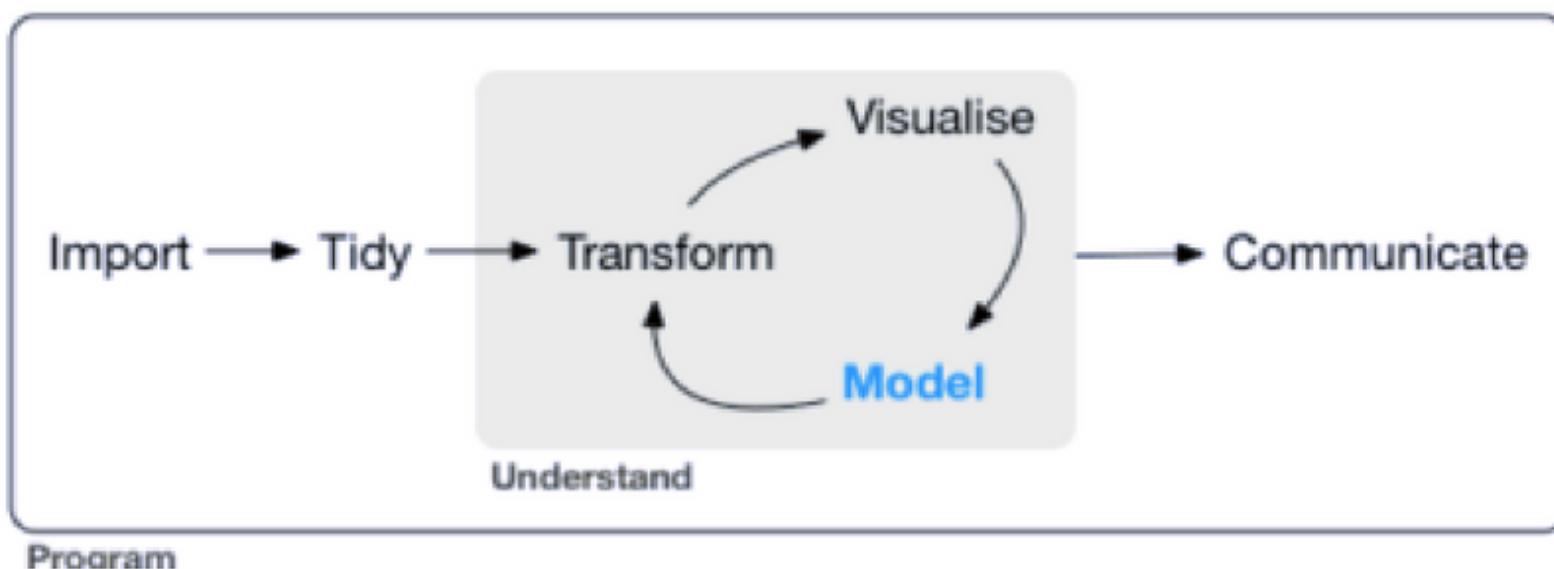


This is the main meeting of the R user and developer community, its program consisting of both invited and user-contributed presentations:

- The invited keynote lectures cover a broad spectrum of topics ranging from technical and R-related computing issues to general statistical topics of current interest.
- The user-contributed presentations are submitted as abstracts prior to the conference and may be related to (virtually) any R-related topic. The presentations are typically organized in sessions of either broad or special interest, which also comprise a "free" discussion format. Such a discussion format not only provides a forum for software demonstrations and detailed discussions but also supports the self-organization of the respective communities.
- The RFCC actively invites potential local organisers to submit proposals regarding future useR! conferences. Groups thinking about hosting a useR! conference are welcome to contact the RFCC by email at R-conferences@r-project.org.

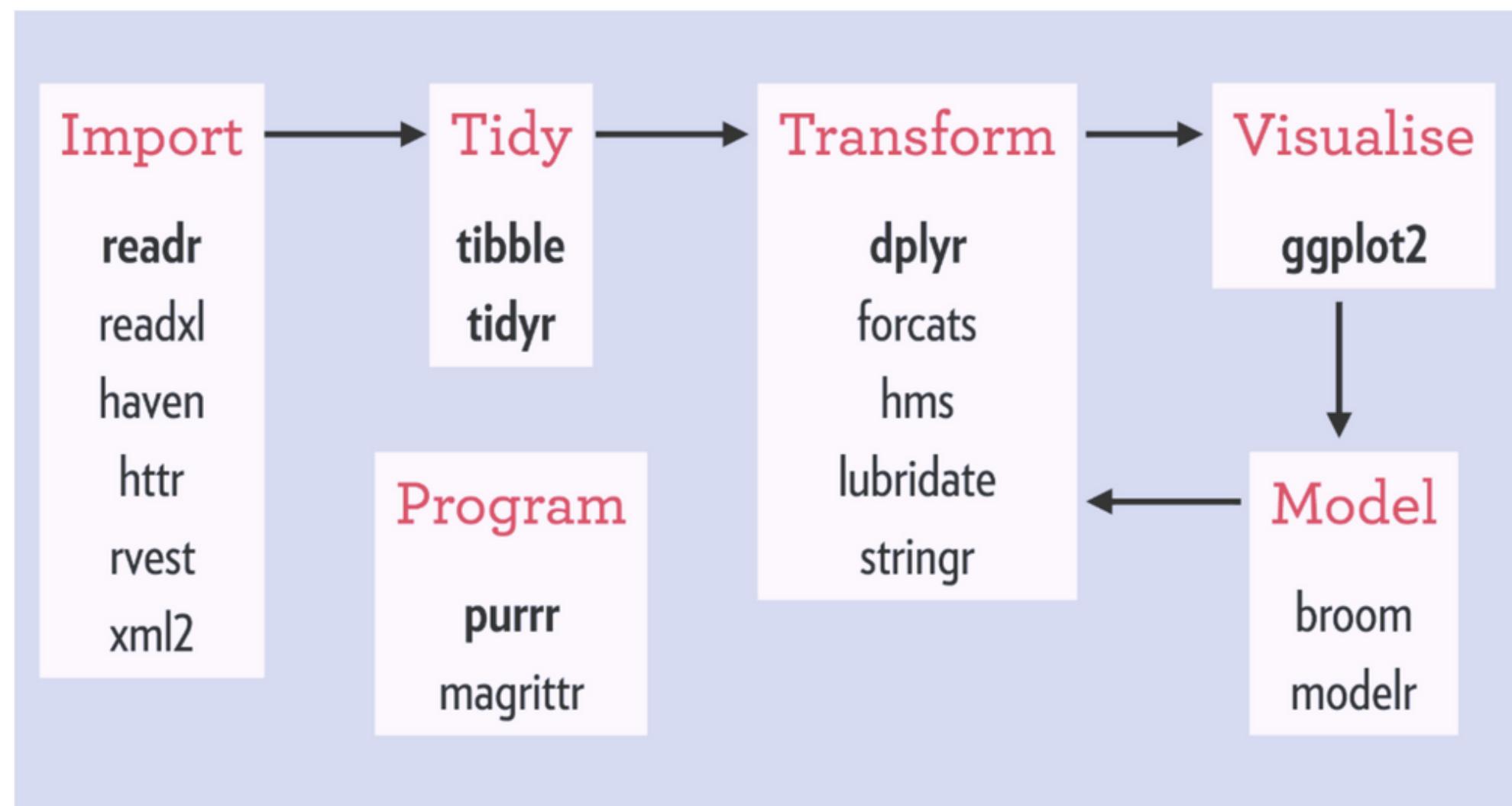
Usually, no proceedings are published for useR! conferences.

- useR! 2020, Boston, MA, USA.
- [useR! 2019](#), Toulouse, France.
- [useR! 2018](#), Brisbane, Australia.

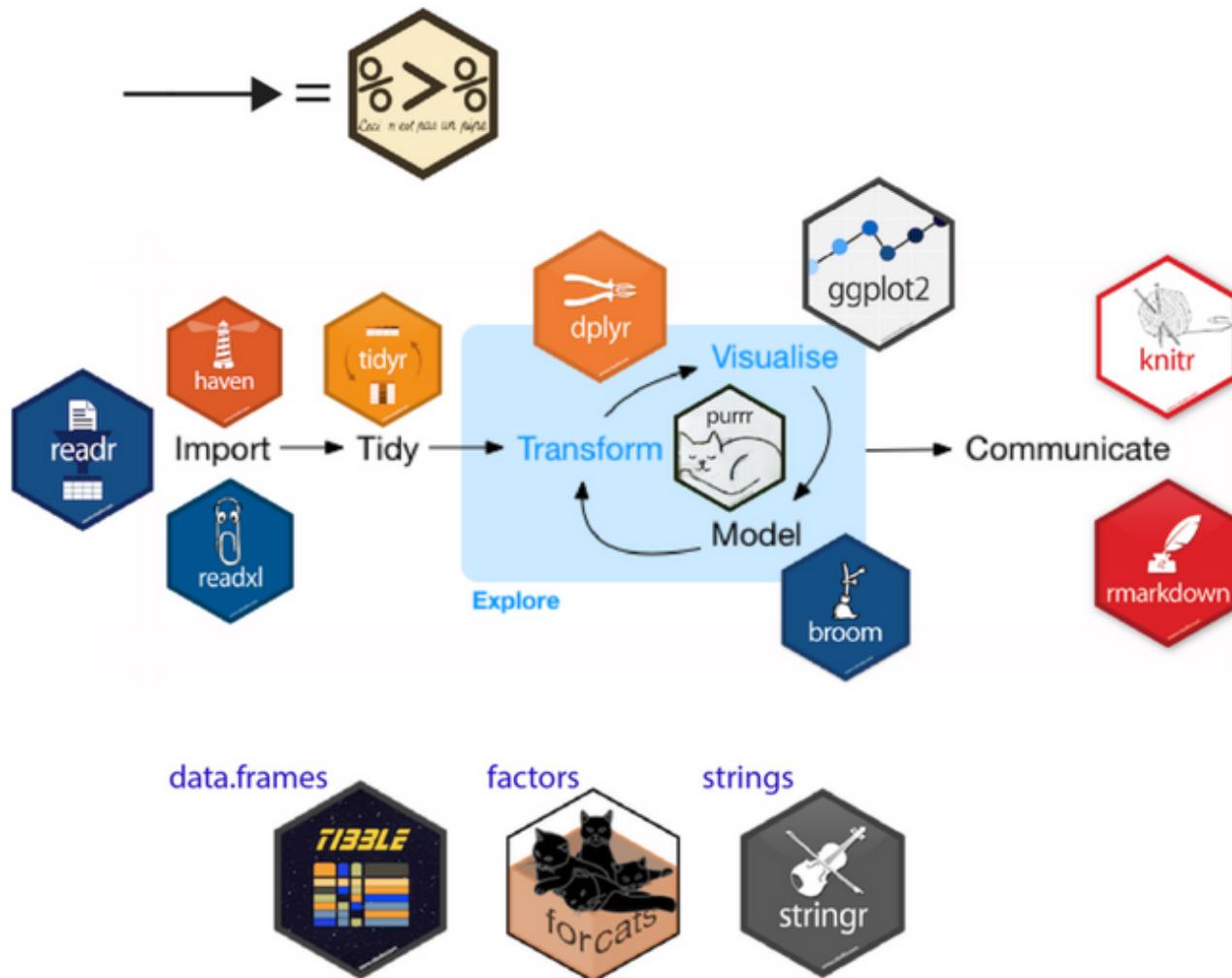


tidyverse





tidyverse



Getting Help in R



- RStudio Overview
- Installing & Loading Packages
- Using Documentation
- Variables & Data Types



Thank You

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www.rsquaredacademy.com