

Introduction to R

What is R?

R is a free software for data analysis, initially developed by Ross Ihaka and Robert Gentleman in 1996.



Why use R?

- It's free
- For state-of-the-art graphics and data analysis
- It runs on all platforms: Windows, Linux, Mac
- Large and helpful user community
- It has great, free, online learning resources

What can you do with it?

All sorts of analyses

statistics

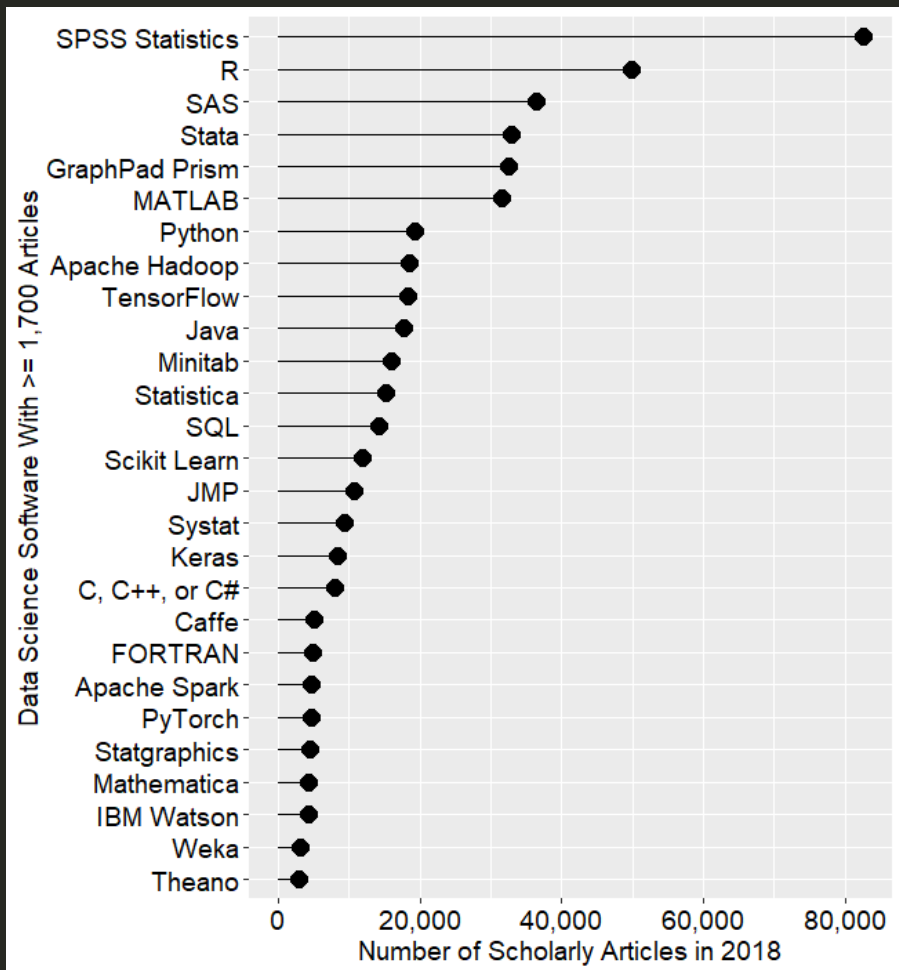
genetics

spatial

epidemiology

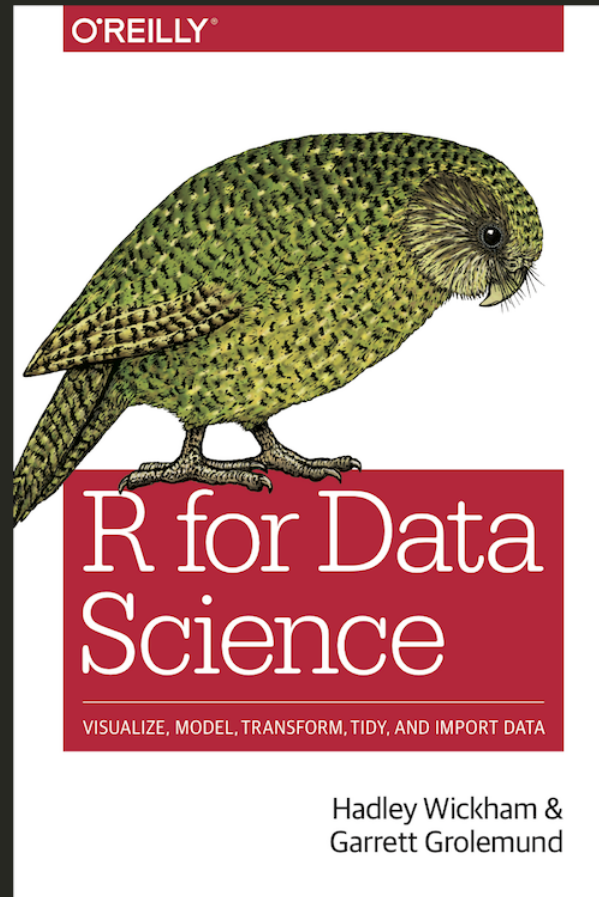
machine learning

and many more (see [cran web views](#))



Source: [The Popularity of Data Science Software](#)

Explore, manipulate, and visualize data



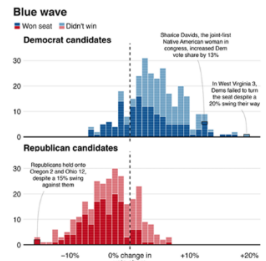
Source: [R for Data Science](#)

How the BBC Visual and Data Journalism team works with graphics in R

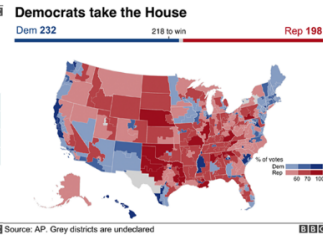
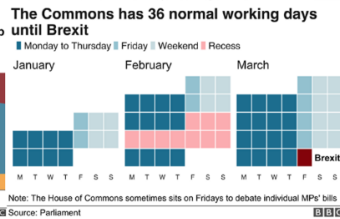
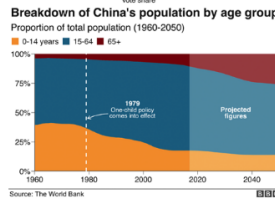
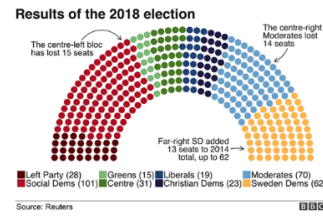
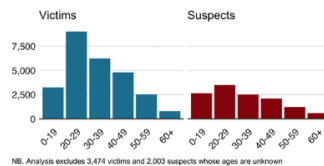


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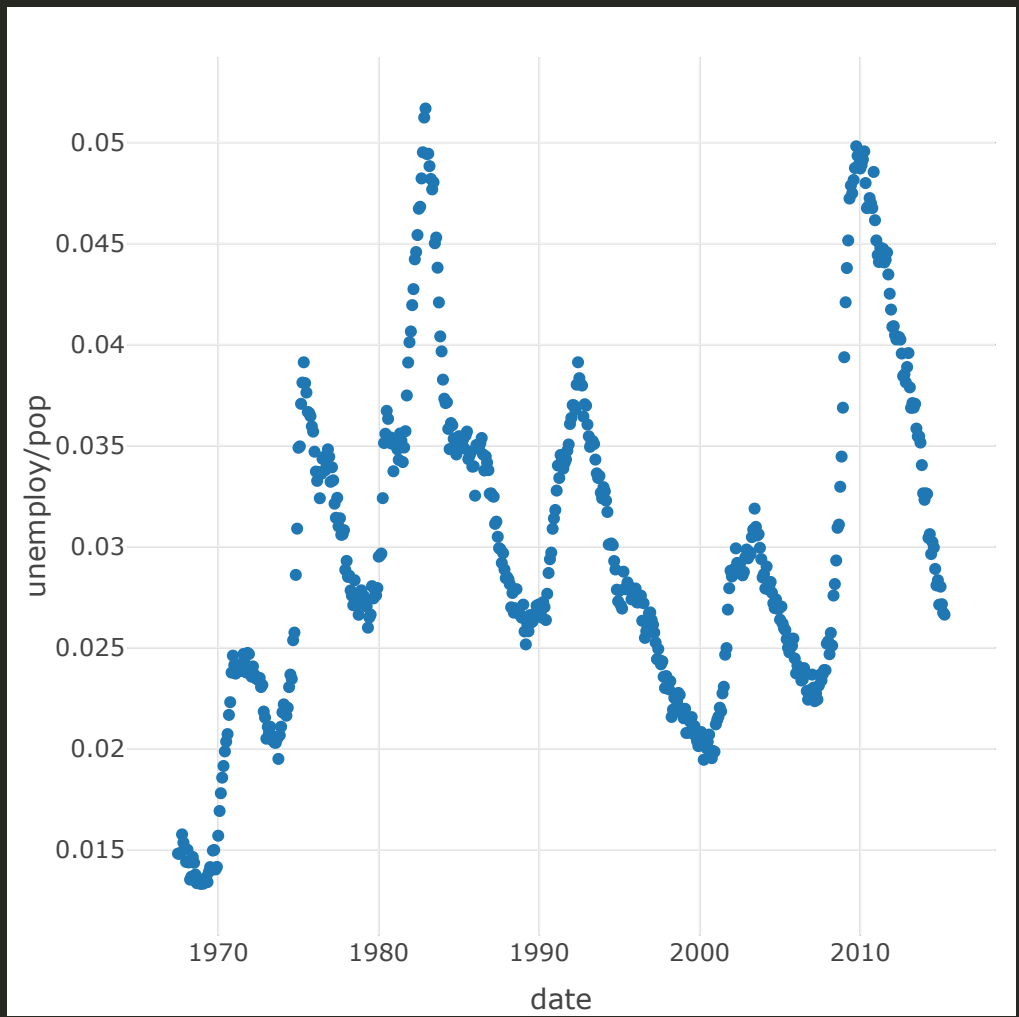
Homophobic hate crimes are mainly committed by young people on young people



Source: medium.com

Make interactive plots and maps





This presentation was made with R (R markdown)

Our conference/lessons websites were also made with
R markdown

So let's get started!