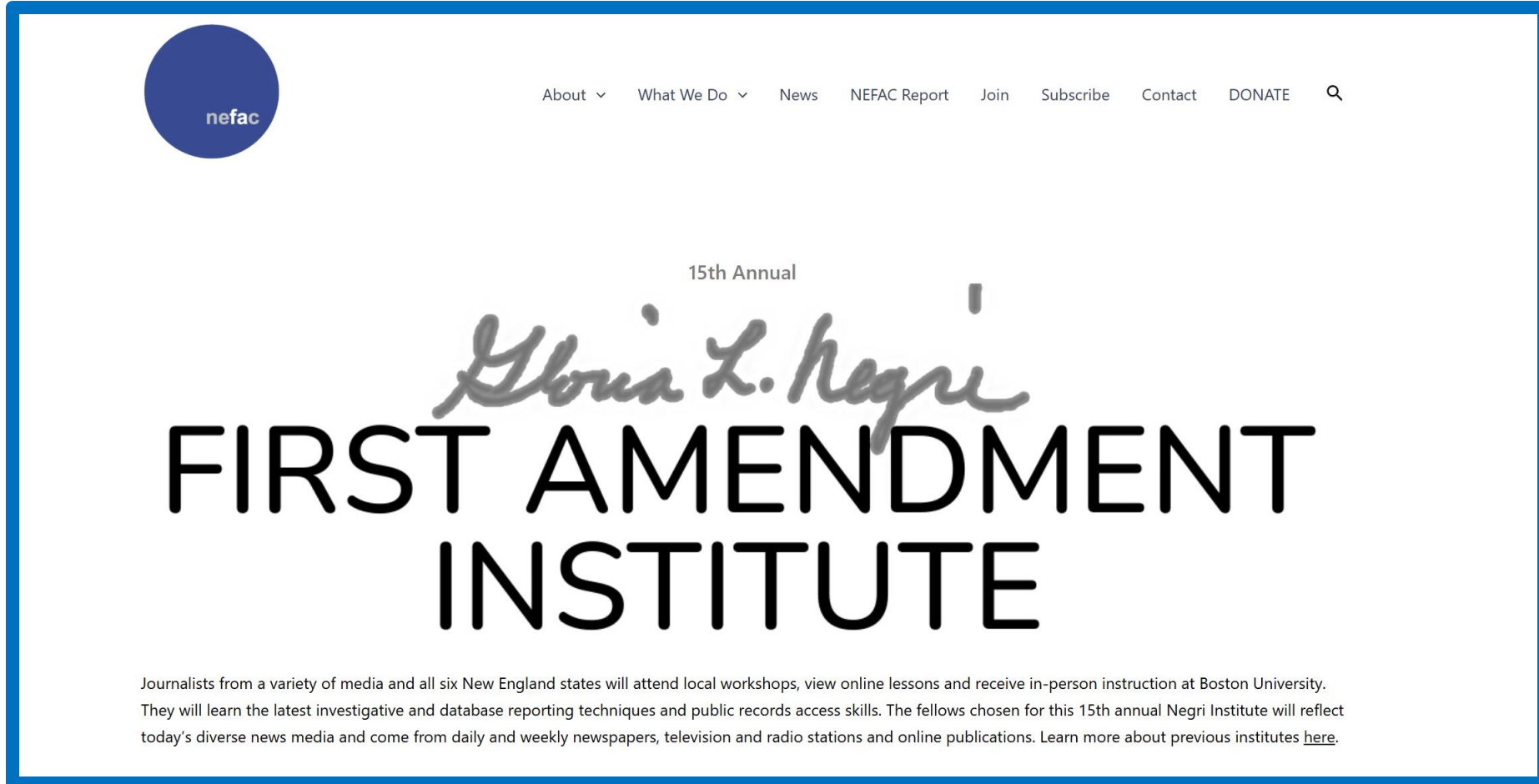


NEFAC NEGRI INSTITUTE – INTRO TO R PREP SESSION – OCT. 15, 2025



The screenshot shows the NEFAC website homepage. At the top left is the NEFAC logo, a blue circle with the word "nefac" in white. To the right is a navigation bar with links: "About", "What We Do", "News", "NEFAC Report", "Join", "Subscribe", "Contact", "DONATE", and a search icon. The main content area features the text "15th Annual" above a large, stylized signature of "Gloria L. Negri". Below the signature, the words "FIRST AMENDMENT INSTITUTE" are written in large, bold, black capital letters. At the bottom, a paragraph of text describes the institute's activities and provides a link to learn more about previous institutes.

nefac

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15th Annual

Gloria L. Negri

FIRST AMENDMENT INSTITUTE

Journalists from a variety of media and all six New England states will attend local workshops, view online lessons and receive in-person instruction at Boston University. They will learn the latest investigative and database reporting techniques and public records access skills. The fellows chosen for this 15th annual Negri Institute will reflect today's diverse news media and come from daily and weekly newspapers, television and radio stations and online publications. Learn more about previous institutes [here](#).

[Hear from Her Students](#)[Awards & Honors](#)[Stories](#)[Journalism Training & Service](#)[News Coverage](#)[Student Career Corner](#)[Contact](#)

MAGGIE MULVIHILL

Investigative Journalist. Journalism Professor.
Data Journalism Trainer. First Amendment
Advocate. Journalism Mentor. News
Entrepreneur. Attorney.

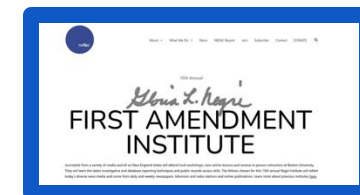
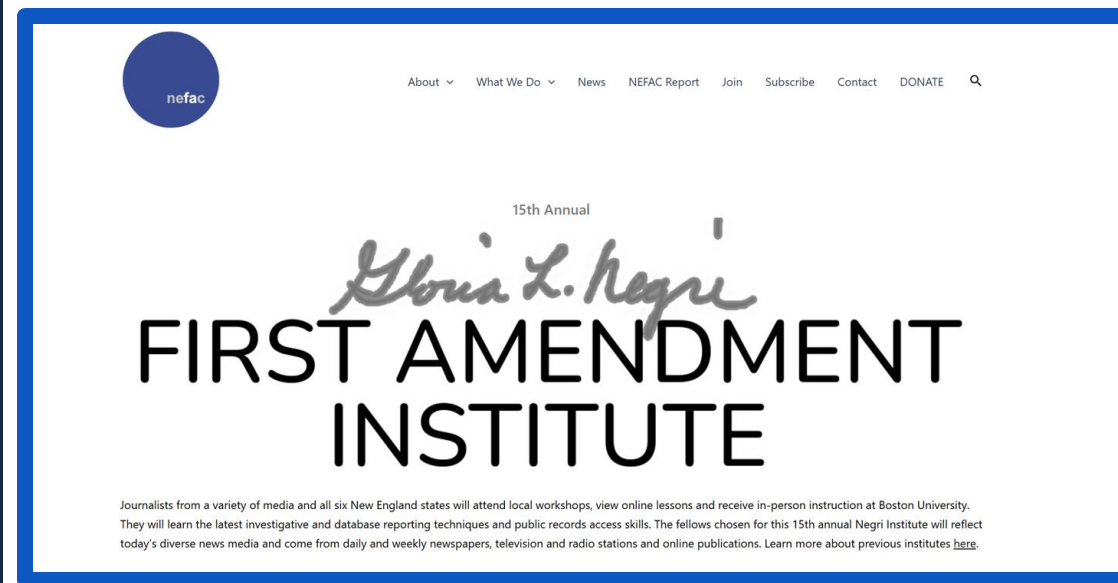
[Contact](#)

About

Maggie Mulvihill is a Boston-based investigative reporter and journalism teacher who has

Today's Review

- What is R?
- Why Should Young Journalists Learn It?
- What You Will Need for Our Oct. 26, 2025 Lesson
 - I will be providing new data and scripts for you to work with





Materials for Our Lesson

▶ Introduction to R – Prep Session

Mandatory for Fellows Attending Introduction to R Class

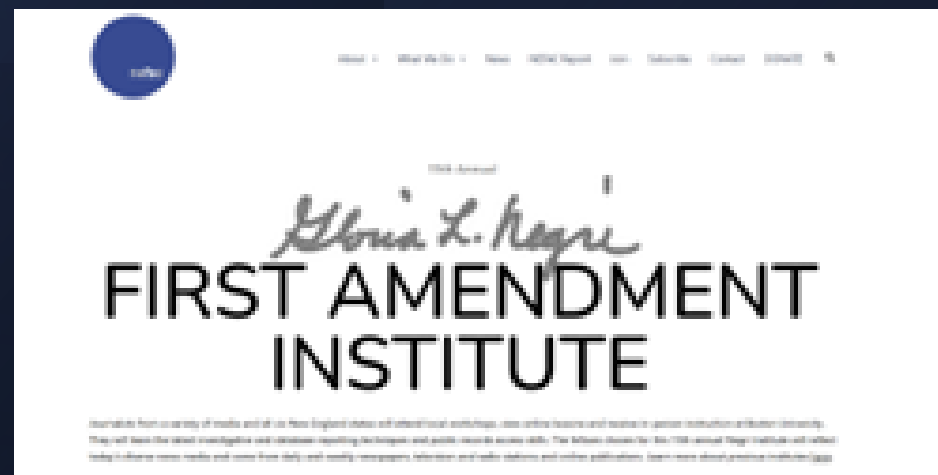
Fellows will have the option of attending either Basic Database Analysis or Introduction to R during the Institute. Those choosing Introduction to R must attend this prep session prior to the Institute.

Oct. 15 | 11:30 a.m. | Zoom Link to Be Provided

Maggie Mulvihill | Boston University

Required:

- *Install [Base R](#) and [R Studio](#) prior to class*
- *Review [Introduction to R](#) and [Getting to Know the R Environment](#)*
- *Download “[babynames](#)” ([.xlsx](#) / [.csv](#)) and “[Intro to R with Baby Names Data – Student Version](#)”*



BASE R – Needs to be Installed before R Studio

R-4.5.1 for Windows

[Download R-4.5.1 for Windows](#) (86 megabytes, 64 bit)

[README on the Windows binary distribution](#)

[New features in this version](#)

This build requires UCRT, which is part of Windows since Windows 10 and Windows Server 2016. On older systems, UCRT has to be installed manually from [here](#).

If you want to double-check that the package you have downloaded matches the package distributed by CRAN, you can compare the [md5sum](#) of the .exe to the [fingerprint](#) on the master server.

Frequently asked questions

- [Does R run under my version of Windows?](#)
- [How do I update packages in my previous version of R?](#)

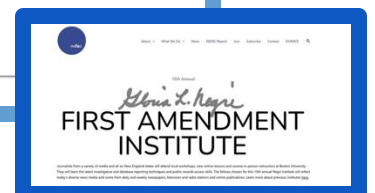
Please see the [R FAQ](#) for general information about R and the [R Windows FAQ](#) for Windows-specific information.

Other builds

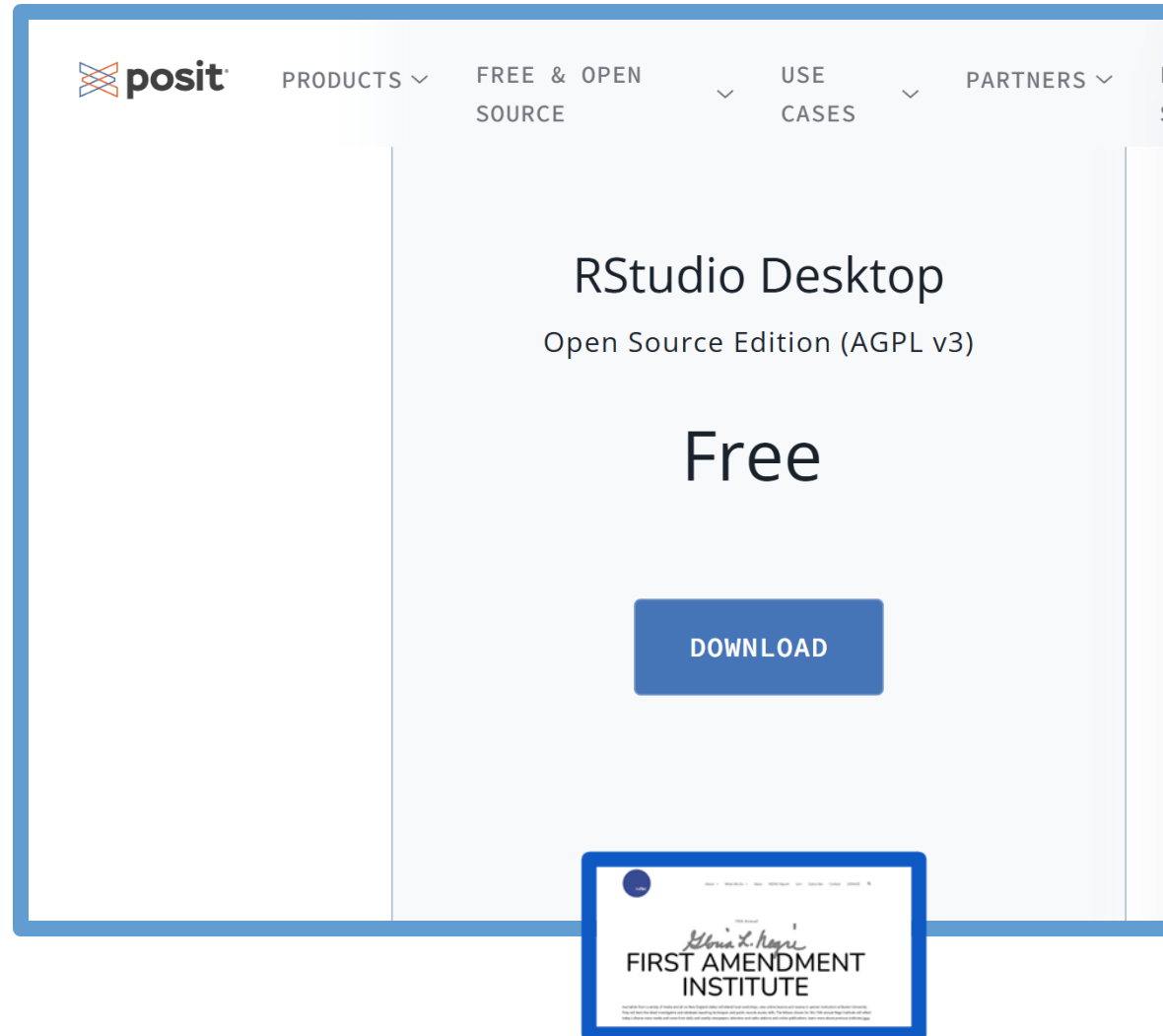
- Patches to this release are incorporated in the [r-patched snapshot build](#).
- A build of the development version (which will eventually become the next major release of R) is available in the [r-devel snapshot build](#).
- [Previous releases](#)

Note to webmasters: A stable link which will redirect to the current Windows binary release is

CRAN.MIRROR>/bin/windows/base/release.html.



Download R Studio – This Is the Environment We Will Use To Work With Our Data



Difference Between Base R and R Studio



Base R is an open source statistical programming language

You download the software from a CRAN – Comprehensive R Archive Network

A global network of servers storing R “packages” so you can work with data

Base R allows you to run code on the command line



R built in 1990's



Used by researchers, data scientists, statisticians



Can handle large datasets and do sophisticated statistical analysis



Can use as much memory in your computer as you allow; sometimes causes crashes with very large datasets

CRAN is a network of ftp and web servers around the world that store identical, up-to-date, versions of code and documentation for R. Please use the CRAN [mirror](#) nearest to you to



CRAN

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About R

[R Homepage](#)

[The R Journal](#)

Software

[R Sources](#)

[R Binaries](#)

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[Task Views](#)

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[FAQs](#)

Donations

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CRAN Mirrors

The Comprehensive R Archive Network is available at the following URLs, please choose a location close to you. Some statistics on the status of the mirrors can be found here: [main page](#), [windows release](#), [windows old release](#).

If you want to host a new mirror at your institution, please have a look at the [CRAN Mirror HOWTO](#).

0-Cloud

<https://cloud.r-project.org/>

Automatic redirection to servers worldwide, currently sponsored by Posit

Argentina

<http://mirror.fcaglp.unlp.edu.ar/CRAN/>

Universidad Nacional de La Plata

Australia

<https://cran.csiro.au/>

CSIRO

<https://mirror.aarnet.edu.au/pub/CRAN/>

AARNET

<https://cran.ms.unimelb.edu.au/>

School of Mathematics and Statistics, University of Melbourne

Austria

<https://cran.wu.ac.at/>

Wirtschaftsuniversität Wien

Belgium

<https://www.freeststatistics.org/cran/>

Patrick Wessa

<https://ftp.belnet.be/mirror/CRAN/>

Belnet, the Belgian research and education network

Brazil

<https://cran-r.c3sl.ufpr.br/>

Universidade Federal do Parana

<https://vps.fmvz.usp.br/CRAN/>

University of Sao Paulo, Sao Paulo

<https://brieger.esalq.usp.br/CRAN/>

University of Sao Paulo, Piracicaba

Bulgaria

<https://ftp.uni-sofia.bg/CRAN/>

Sofia University

Canada

<https://muug.ca/mirror/cran/>

Manitoba Unix User Group

<https://mirror.csclub.uwaterloo.ca/CRAN/>

University of Waterloo

<https://www.mirror.mcgill.ca/>

Rafal Pocztański



Smarter science, better tools

Explore new product capabilities from Posit in our Fall 2025 Product Announcement

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FREE & OPEN SOURCE ▾

USE CASES ▾

PARTNERS ▾

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DOWNLOAD

RStudio Desktop

Used by millions of people weekly, the RStudio integrated development environment (IDE) is a set of tools built to help you be more productive with R and Python.

Don't want to download or install anything? Get started with RStudio on [Posit Cloud for free](#). If you're a professional data scientist looking to download RStudio and also need common enterprise features,



Difference Between Base R and R Studio



R Studio is now called POSIT



a journalist-friendly interface we install on top of Base R to run code



Designed by Hadley Wickham



Called an “integrated idea environment”



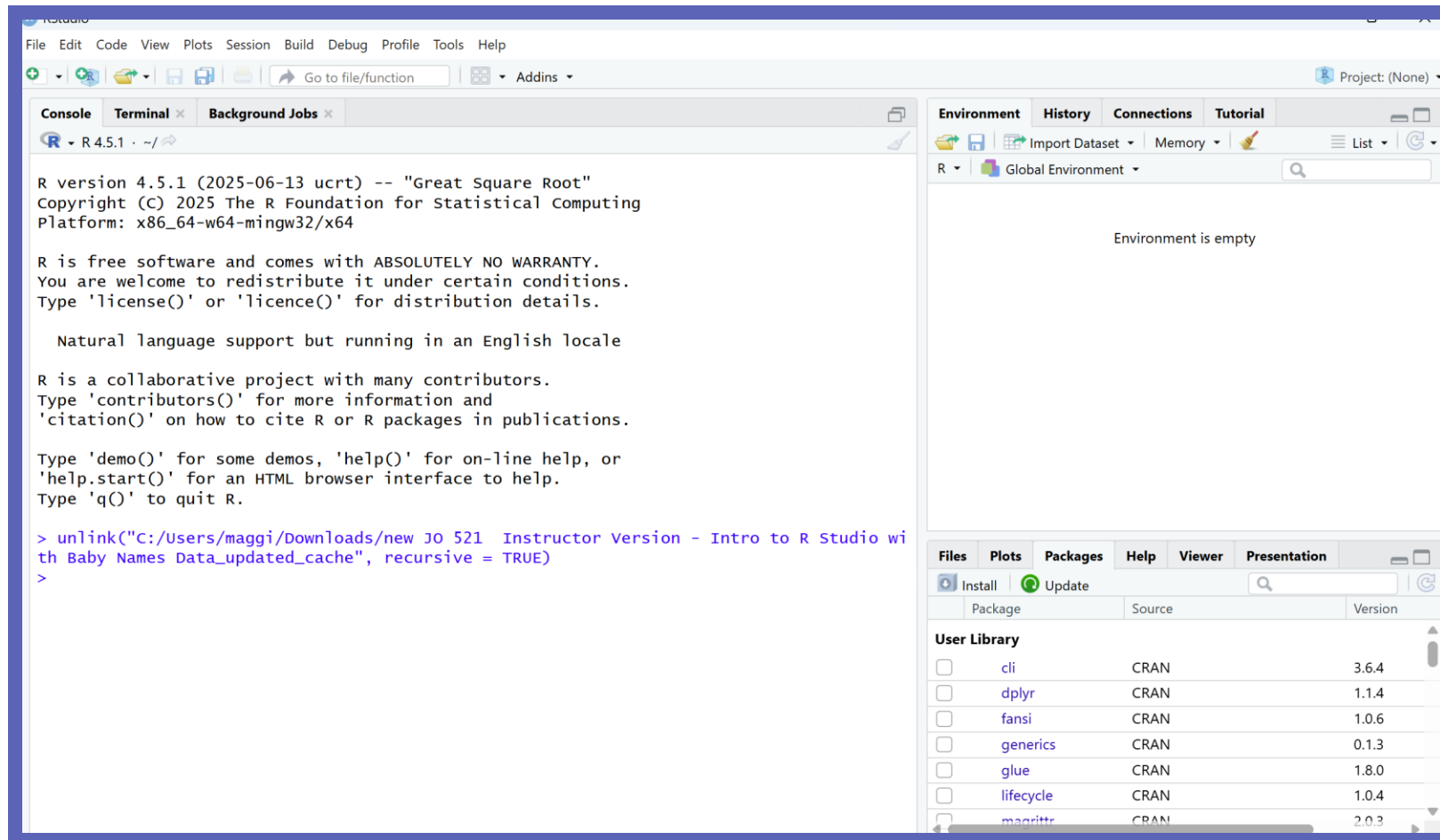
Intuitive and user-friendly



Large online support community including listservs for journalists using R

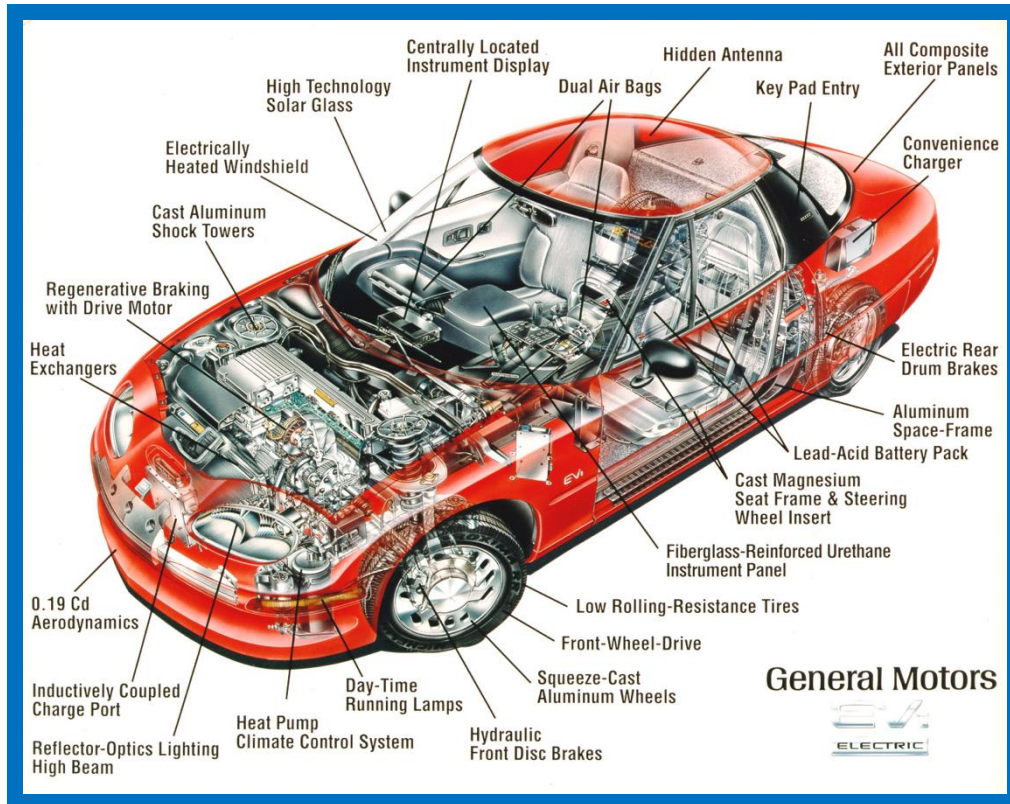
- Do your work in four “panels” once you launch the software
- Preferred software to use in newsrooms; IRE.org offers multiple training sessions for journalists using R – more than any other programming language
- Easy to share code and packages including on developer platform “github”

R Studio Interface



Base R “Engine”

R Studio “Dashboard”



Toolchains for building R and R packages f

version of Rtools:

for R versions from 4.5.0 (R-prerelease and R-devel)

for R versions 4.4.x (R-release)

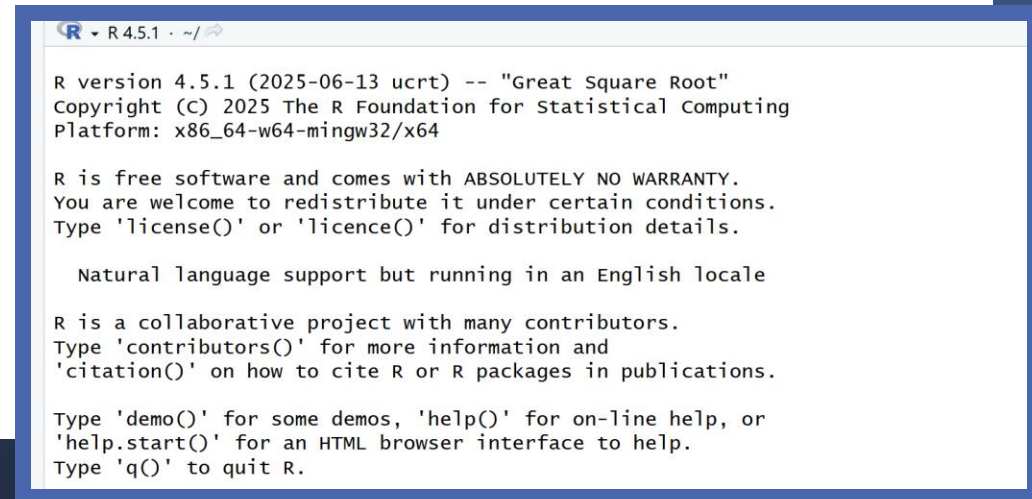
for R versions 4.3.x (R-oldrelease)

for R versions 4.2.x

for R from version 4.0.0 to 4.1.3

for R versions prior to 4.0.0

of



```
R - R 4.5.1 - ~/
R version 4.5.1 (2025-06-13 ucrt) -- "Great Square Root"
Copyright (c) 2025 The R Foundation for Statistical Computing
Platform: x86_64-w64-mingw32/x64

R is free software and comes with ABSOLUTELY NO WARRANTY.
You are welcome to redistribute it under certain conditions.
Type 'license()' or 'licence()' for distribution details.

Natural language support but running in an English locale

R is a collaborative project with many contributors.
Type 'contributors()' for more information and
'citation()' on how to cite R or R packages in publications.

Type 'demo()' for some demos, 'help()' for on-line help, or
'help.start()' for an HTML browser interface to help.
Type 'q()' to quit R.
```


Xcode Command Line Tools

hash: 17661d5b01580965b66c14d701cd9c4dc1ec29215

is not intended for regular users. Read the INSTALL file for further instructions.

Subdirectories:

[tools](#)

Additional tools necessary for building R for Mac OS X:
Universal GNU Fortran compiler for Mac OS X (see [R for Mac tools page](#) for details).

[big-sur-arm64](#)

Binaries for macOS 11 or higher (Big Sur) for arm64-based Macs (aka Apple silicon such as the M1 chip)

[big-sur-x86_64](#)

Binaries for macOS 11 or higher (Big Sur) for Intel-based Macs