

R Community Explorer:

The State of R

A presentation by:

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R Community Explorer



Data-Driven Exploration of the R Community

An effort to track and report summaries around the activities of the global R Community in a data-driven manner with a focus on:

- 1. Groups
- 2. Events
- 3. Software
- 4. Q & A
- 5. Google Summer of Code
- 6. Twitter
- 7. Ranking

- https://benubah.github.io/r
- -community-explorer/rugs.

<u>html</u>

Why R Community Explorer?



- 1. Help users find user-groups, events, popular tools and trends.
- 2. Provide a data-driven tool to aid organizations in planning events and diversity programs.
- 3. To track underrepresented regions with respect to user-groups, members and events.

Why R Community Explorer? Why A Data-Driven Exploration of the R Community?

- 4. To provide a way to monitor the growth and popularity of the R language over time.
- 5. Recognize the efforts of organizers, mentors, community leaders, developers and other volunteers across user-groups, events, open-source programs, etc.

Expected Audience



- Support organizations like the R Foundation and R Consortium
- 2. Diversity-focused groups like R-Ladies and R-Forwards
- 3. For-profit organizations that provide R-related products and services

Expected Audience



- 4. User-group and event organizers
- 5. Users and developers
- 6. R enthusiasts and evangelists
- 7. Prospective users and organizations intending to adopt R
- 8. Speculators / writers who think R is declining

Groups Exploring R User-groups |



Groups that identify R as one of their topics of interest on Meetup.com







Groups

BRI

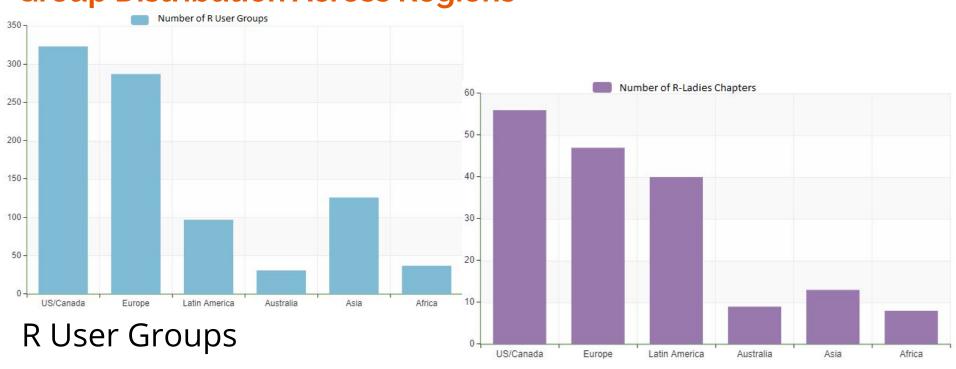
Exploring R-Ladies Chapters



Groups



Group Distribution Across Regions

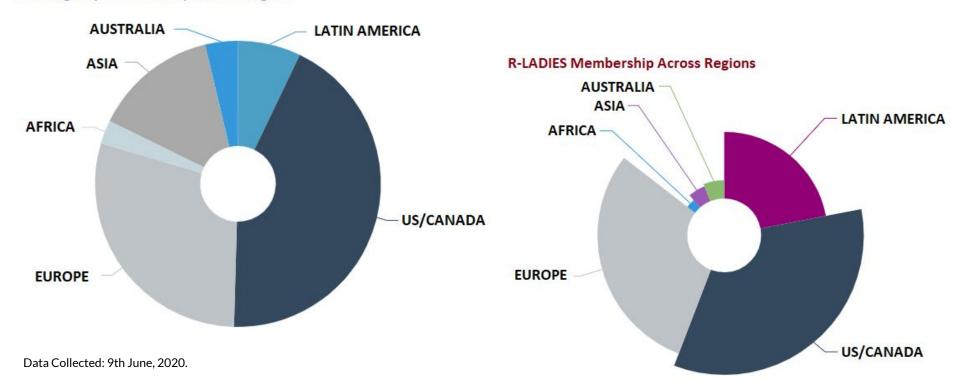


R-Ladies Chapters

GroupsMembership Across Regions



R User-group Membership Across Regions

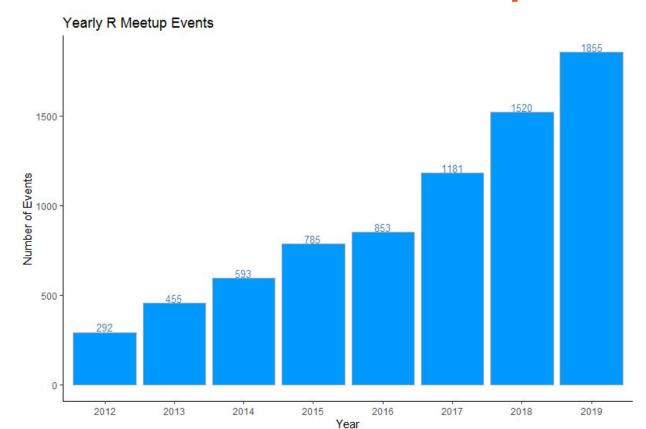


Meetup Events Worldwide: R-Focused Groups

7534 Events

62 Countries

386 Groups 8 Years



Data Collected: 9th June, 2020.



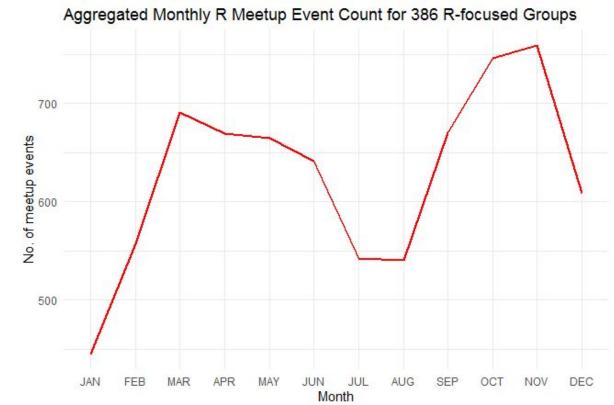
Meetup Events Worldwide: R-Focused Groups

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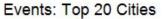
386 Groups

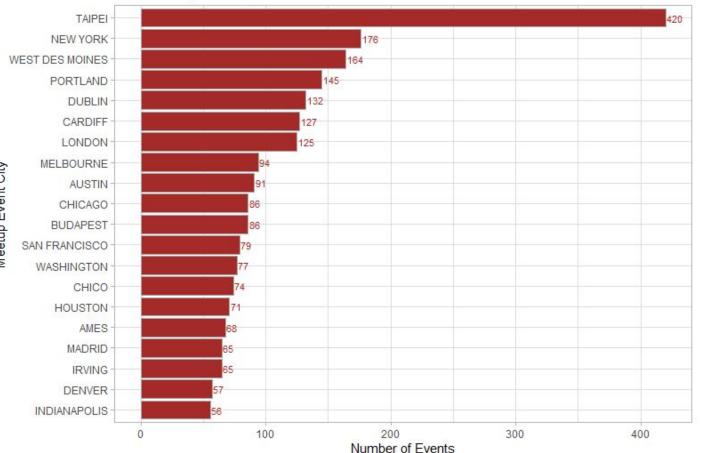
2012 - 2019



2258 Events (30%) Held in Top

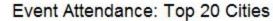
20 Cities

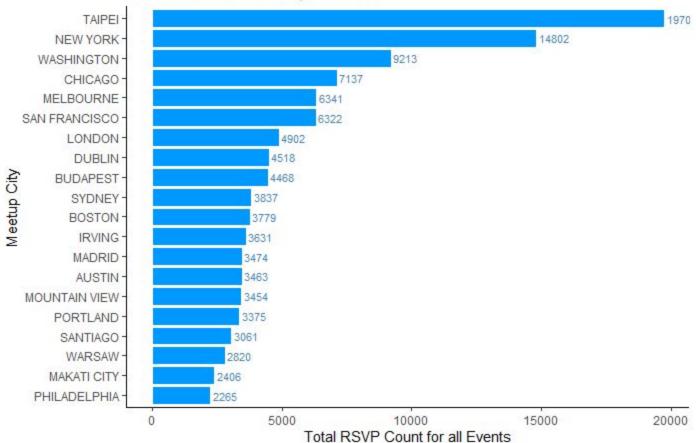






Top 20
Cities Had
112,969
Yes_RSVPs
(41.8%)



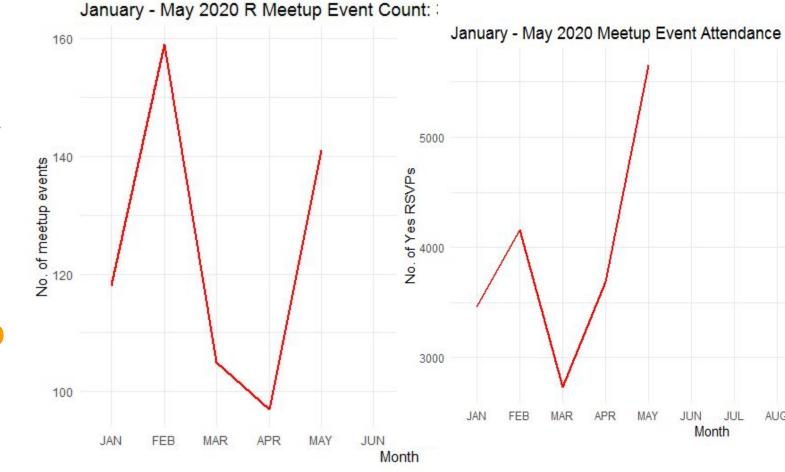




Impact of COVID-19

Events Picked Up In MAY



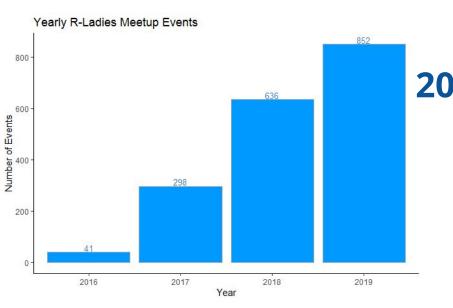


R-Ladies Events

1,827 48 46,169 Yes RSVPs 2120



Aggregated Monthly R Meetup Event Count for R-Ladies Chapters



SatRday Events

17+ Events 11 Countries

15 Cities 4 Regions

Event Region

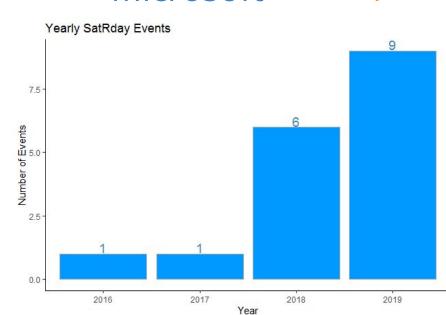
Europe 9

Africa 4

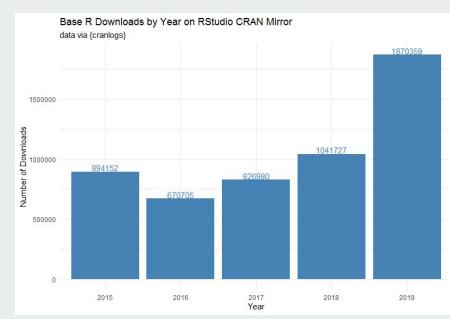
N. America 3

S.America ^{*}



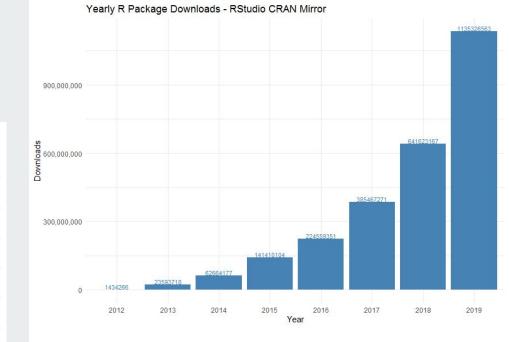


Software CRAN



Current R Version 4.0.2

41 CRAN Task Views



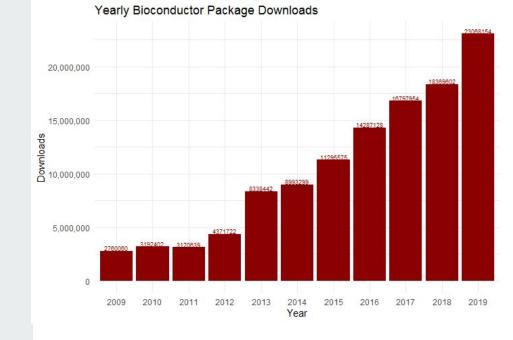
15,000+ R Packages

9000+ Package Maintainers

2,616,078,617 Downloads

Software BioConductor

Current Version 3.11



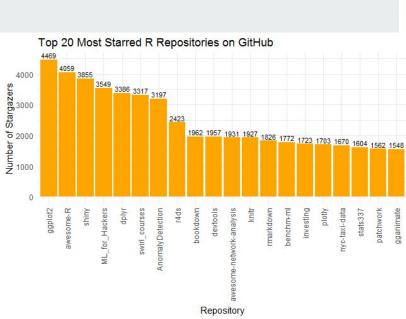
1,900+ Packages

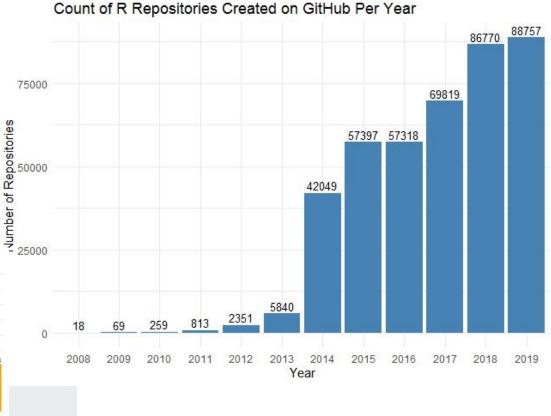
127,585,899 Downloads



2009 - 2020

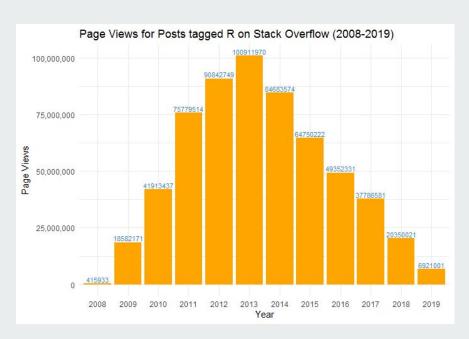
Software GitHub



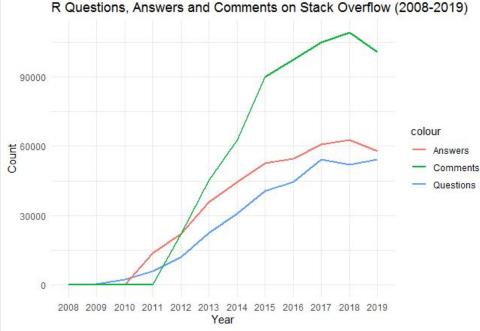


At the time of writing: 467,276+ R GitHub Repos

Q&A Stack Overflow



592,289,504 Page Views



319,986 Questions405,044 Answers632,872 Comments

Google Summer Of Code: R Projects



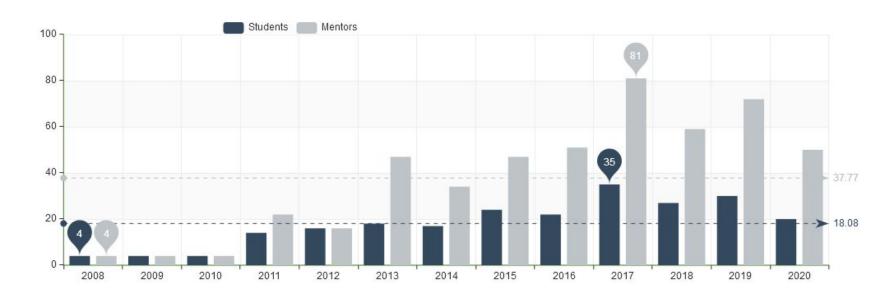
Projects
\$117,500 raised for the R Project

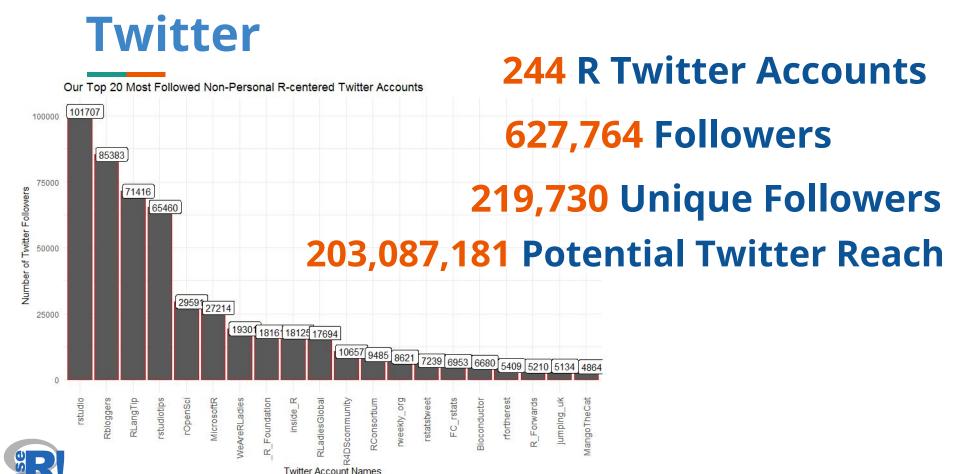
206 Students 219 Mentors



13 Years







Twitter

244 R Twitter Accounts

@AfricaRUsers	non-profit
@rstatstweet	utility
@whyRconf	event
@rstudiotips	educational
@rstats4ds	educational
@Bioconductor	non-profit
@useR2020stl	event
	@rstatstweet @whyRconf @rstudiotips @rstats4ds @Bioconductor





Ranking | R Language

9

5

13

7

TIOBE

IEEE

Redmonk

PYPI



Summary

- Data has spoken
- Is R declining? Data says: No! No!
- R is instead becoming more popular



Sponsors



Help us build an automated, data-driven website that covers all these and much more...



Sponsors



If you like to support a community project from a black community member, consider

R Community Explorer

Please find ways to help here:

https://benubah.github.io/r-community-explorer/about.html