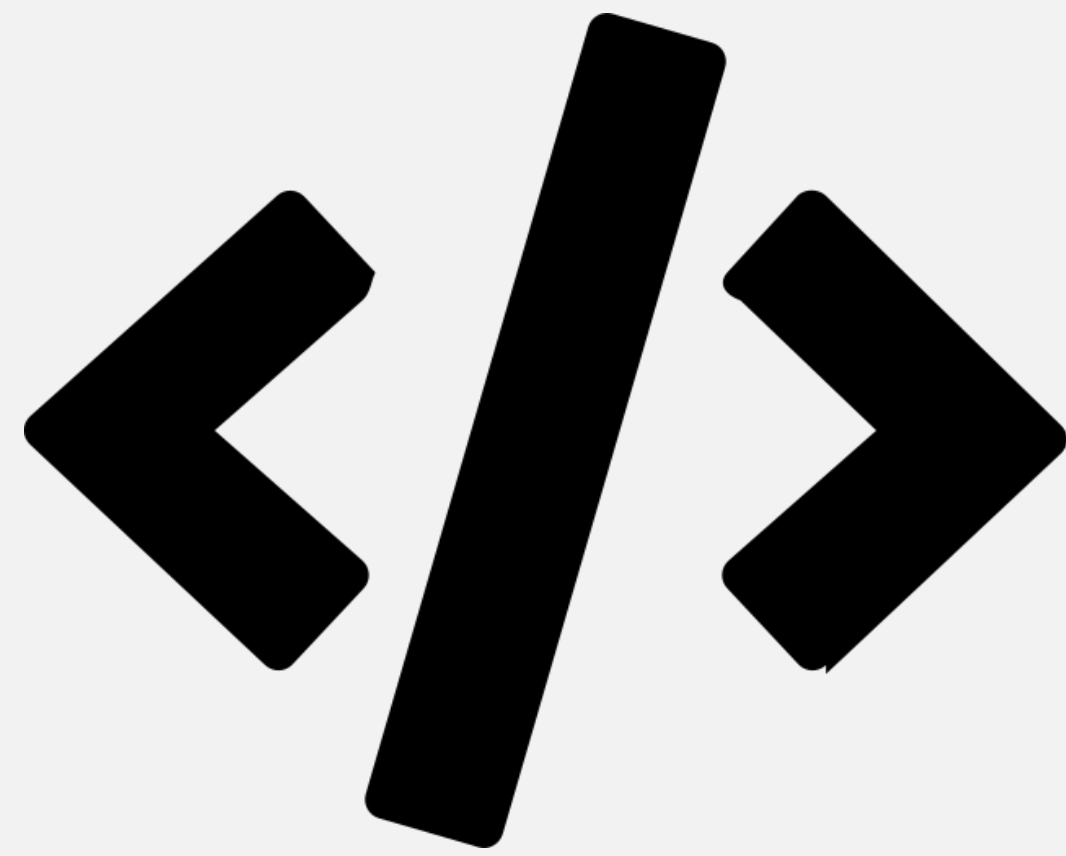
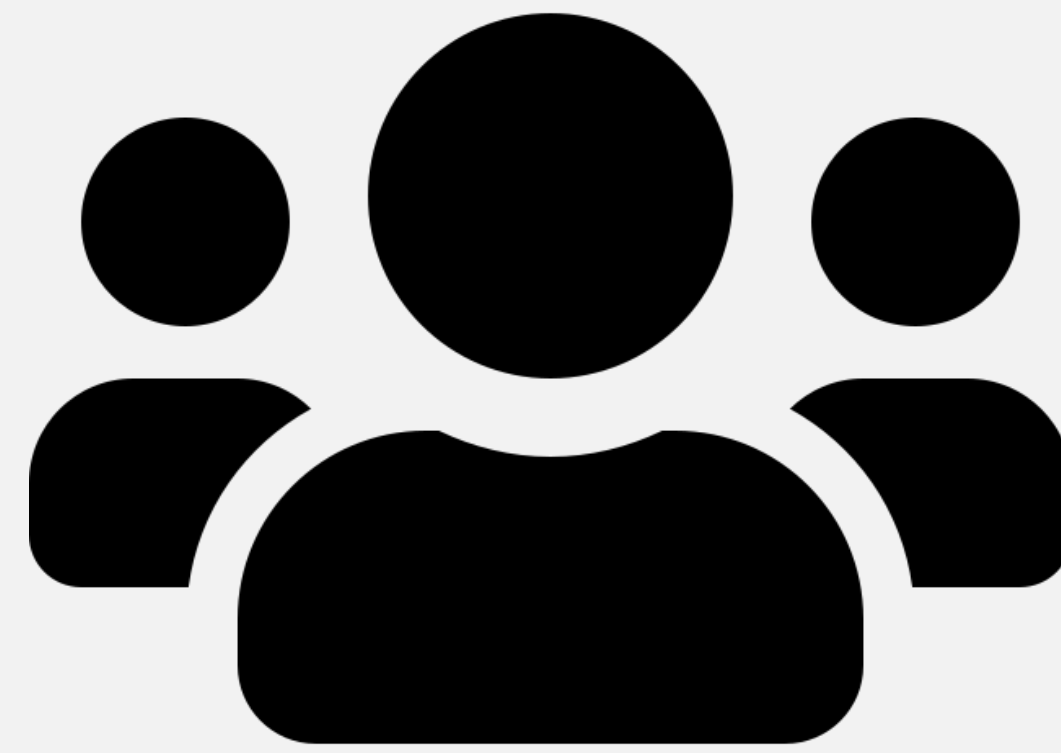


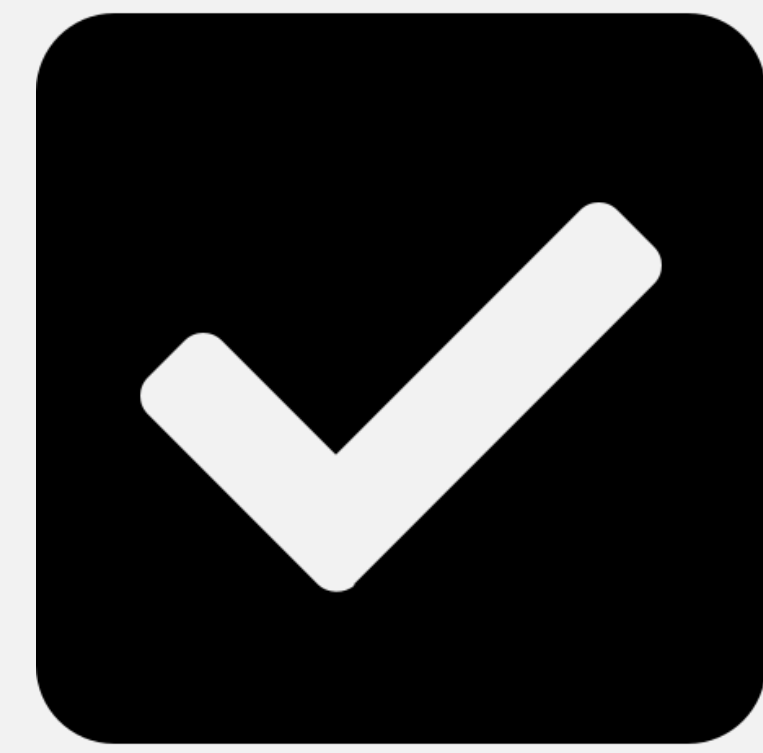
Stefanie Butland
@stefaniebutland



Software



Community



Peer review

rOpenSci by the numbers

5 staff

1 postdoc

2 Bioconductor pkgs

192 CRAN pkgs

287 total pkgs

~ 500 code contributors

> 500 citations

LOTS! of community members

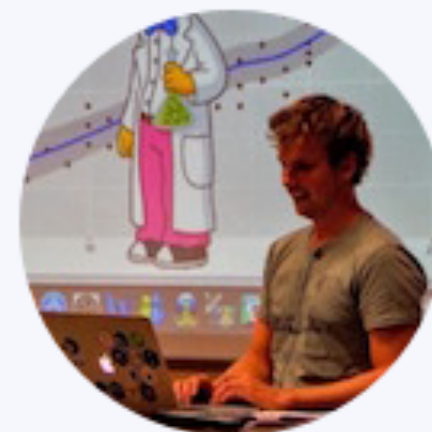
1 awesome open system for peer review of software



Karthik Ram



Scott Chamberlain



Jeroen Ooms



Stefanie Butland



Maëlle Salmon



Dan Sholler

Lack of reproducibility is quite widespread in
applied computational research

The extent to which code would actually build
with reasonable effort is quite low

< 20%

Collberg et al 2014



find R tools for your
research here

they will work

We need to create a **culture**
around peer reviewing our
research software



academic peer review of
research publications?



Pre-submission inquiry

Fit based on our criteria



Peer-review

evaluate the package for usability, quality, and style based on our guidelines



Acceptance 100

Packages are badged and added to our system



Nov 2017

A software review thread

“This type of review where the reviewers actively help you as well as objectively evaluating your work is a revelation”

-Rory Nolan

Feb 2018



benmarwick commented 15 days ago

Member



Yes, thanks, I'm happy. You've done lots of work to address the concerns in my review, that's excellent to see. The package is much more accessible now, and it's easier to see how to get started using it.



1



wlandau-lilly commented 15 days ago

Member



Thank you, @benmarwick! I am so glad you think the changes are making a difference.

By the way, I just updated the review summaries in light of [wlandau-lilly/drake#195](#).



gothub commented 15 days ago

Member

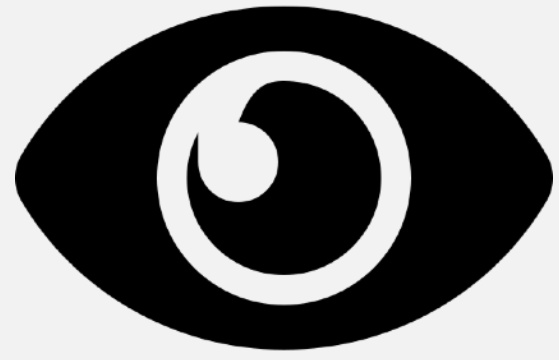


All of the points I mentioned have been fully addressed with clear and complete documentation, and I have no other issues, so thumbs up from me.

I have one remaining question that is not really an issue for the review, but I'm just curious about. If i were to develop a workflow with drake, what drake specific artifacts would need to be preserved for a researcher to reproduce my analysis (other than the R scripts and data that may have existed before even starting to build the drake workflow)? I'm assuming that it's simply a CSV from the workflow itself, e.g. 'my_plan.csv' from the basic example. If more than that is required then explaining that in the docs or having an export function would be a good idea.



1



OpenSci ABOUT BLOG PACKAGES COMMUNITY DISCUSS

The prequel to the drake R package

Will Landau
February 6, 2018

The [drake](#) R package is a [pipeline](#) toolkit. It manages data science workflows, [saves time](#), and [adds more confidence to reproducibility](#). I hope it will impact the landscapes of reproducible research and high-performance computing, but I originally created it for different reasons. This post is the prequel to [drake](#)'s inception. There was struggle, and [drake](#) was the answer.

OpenSci ABOUT BLOG PACKAGES

drake's improved high-performance computing power

Will Landau | MAY 18, 2018

The [drake R package](#) is not only a reproducible research solution, but also a serious high-performance computing engine. The [package website](#) introduces [drake](#), and this technical note draws from the guides on high-performance computing and timing in the [drake manual](#).

rOpenSci @rOpenSci Following

[blog] The prequel to the drake R package, a data science workflow toolkit for reproducibility, by Will Landau [ropensci.org/blog/2018/02/0... #rstats](#)



6:41 AM - 6 Feb 2018

20 Retweets 53 Likes

4 20 53

Tweet your reply

rOpenSci @rOpenSci · Feb 6
Shoutouts in Will Landau's drake [#rstats](#) post to reviewers [@benmarwick](#) [@julesquid](#) & Peter Slaughter, & editor [@ma_salmon](#)

1 3 7

rOpenSci @rOpenSci · Feb 6
Will Landau thanks many mentors & contributors in his post: [@jaradniemi](#), [@krimlr](#), Alex Axthelm, Chan-Yub Park, [@adaptive_plant](#) [@theRcast](#) [@henrikbengtsson](#), Ian Watson, Jasper Clarkberg, Kendon Bell [ropensci.org/blog/2018/02/0...](#)



rOpenSci Packages: Development, Maintenance, and Peer Review

rOpenSci onboarding editorial team: Scott Chamberlain, Anna Krystalli, Lincoln Mullen, Karthik Ram, Noam Ross, Maëlle Salmon

2018-08-03

Preface

This book has the ambition to become a guide for maintainers of rOpenSci packages, in particular, people who volunteer to submit a package to onboarding.

The [first section of the book](#) presents our guidelines for building and testing your package.

The [second section](#) is dedicated to onboarding: what it is, our policies, and specific guides for authors, editors and reviewers.

The [third and last section](#) features our best practice for nurturing your package once it has been onboarded: how to collaborate with other developers, how to document releases, how to promote your package and how to leverage GitHub as a development platform. The third section also features a [chapter for anyone wishing to start contributing to rOpenSci packages](#).

We hope that you'll find the guide useful and clear, and welcome your suggestions in the [issue tracker of the book](#). Happy R packaging!

The rOpenSci editorial team.

Review for us

ropensci.org/onboarding

... you are qualified as a potential package reviewer if you have some appreciation for what makes your favourite packages useful.

- Miles McBain

ropensci.org/packages/

Workflow

- drake

Visualization

- plotly
- visdat
- skimr

Image manipulation

- magick
- ijtiff

Unlocking text and data

- unrtf
- pdftools
- tabulizer
- suppdata

Genomic data

- genbankr
- rentrez
- rsnp
- cregulome

Patents

- patentsview

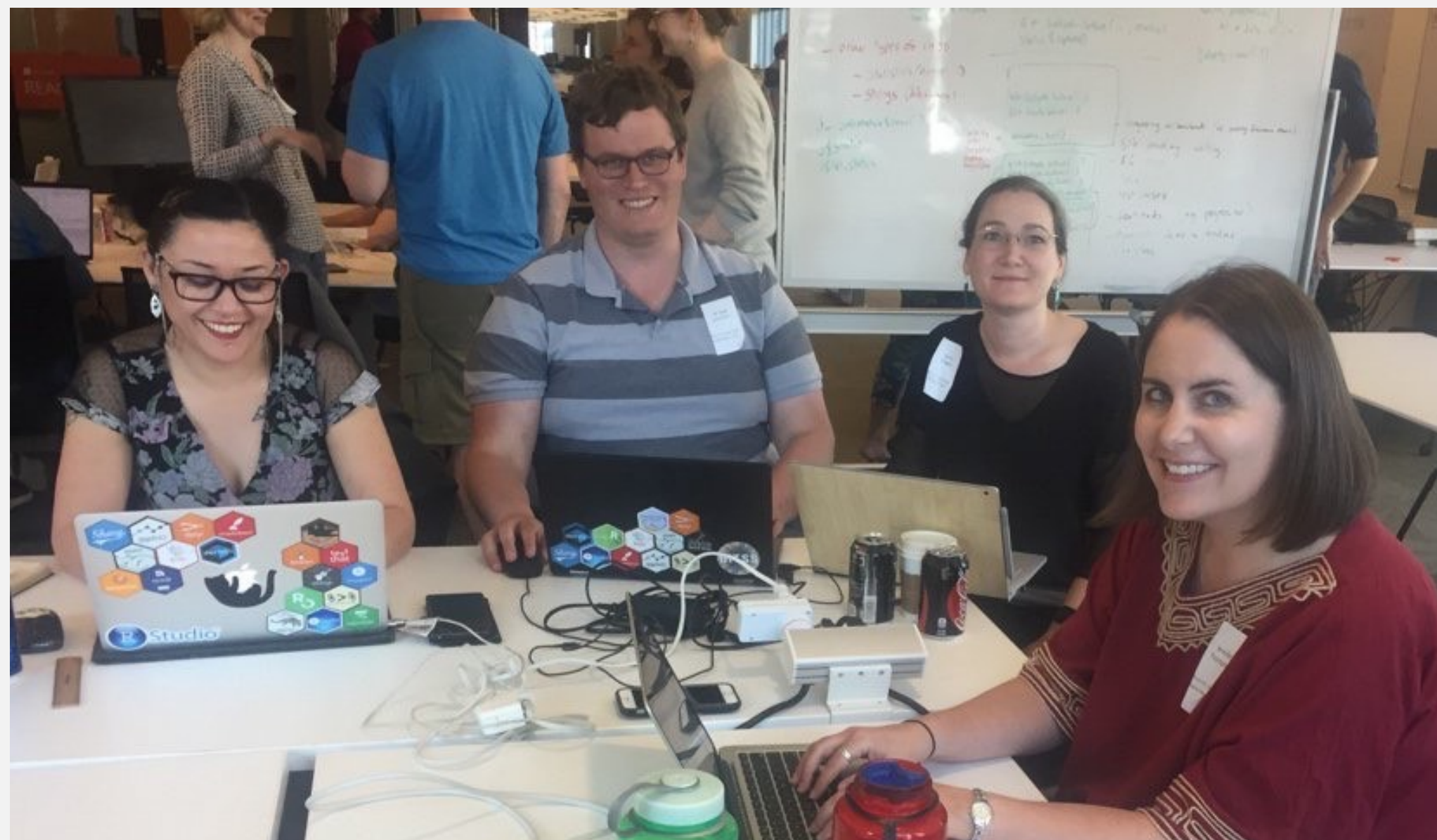
NLP

- googleLanguageR

“I often need to calculate percentiles, z scores, and other measures of growth in maternal & child health research. There are some SAS macros out there and a couple of R packages...[but they] don't have all of the measures I need...There are other measures that are just a data table of LMS parameters in a PDF. Ideally these methods would be available all in one place in an R package!”



Monica Gerber
Biostatistician,
Mass General



rOpenSci unconf18

Charles T. Gray
W. Kyle Hamilton
Jenny Draper
Jennifer Thompson

Maternal Child Health Toolbox

percentiles and z-scores based on growth charts

Maternal and Child Health Toolbox **Main** Settings - About mchtools -

Choose CSV File

BROWSE... nhanes.csv

Header

Separator

Comma

Semicolon

Tab

Quote

None

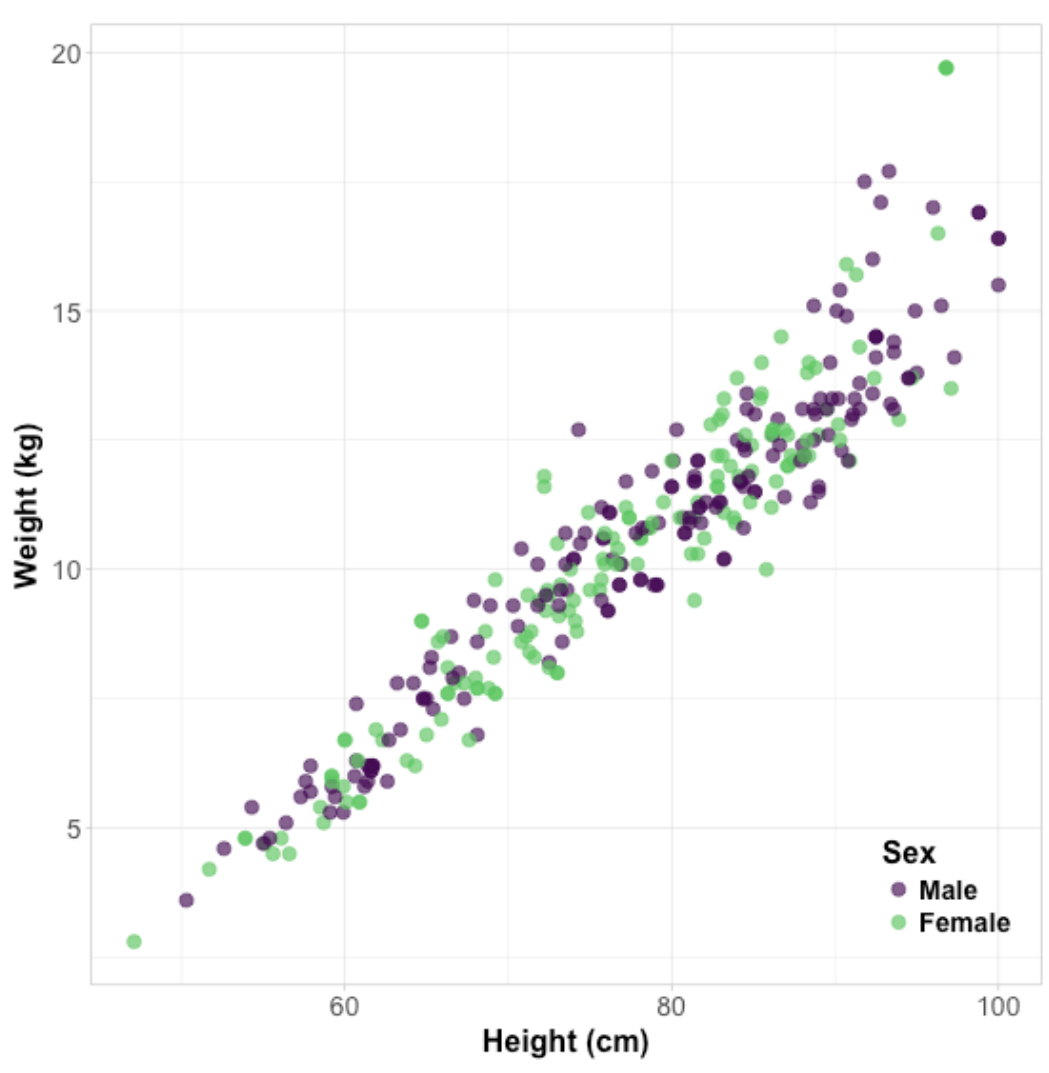
Double Quote

Single Quote

Display

Head

All



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250	64464	68.1	6.8	1	NA	-1.847064 2.15236

cid	sex	agemos	weight	height	headcir
51755	1	18	12.10	80.10	NA
51840	1	25	13.30	89.10	NA
51962	2	2	4.50	56.60	38.80
52066	2	8	9.50	72.50	NA
52089	1	32	14.20	93.60	NA
52300	1	2	6.90	63.40	41.90

 **Kate Kelsey**
@CapNScurvy [Follow](#)



Replying to @jent103 @kylehamilton

I have been wanting someone to make a package that does this for years. I had CDC code in SAS and always had to transfer my data. Thanks!

6:02 AM - 23 May 2018



3 Likes 

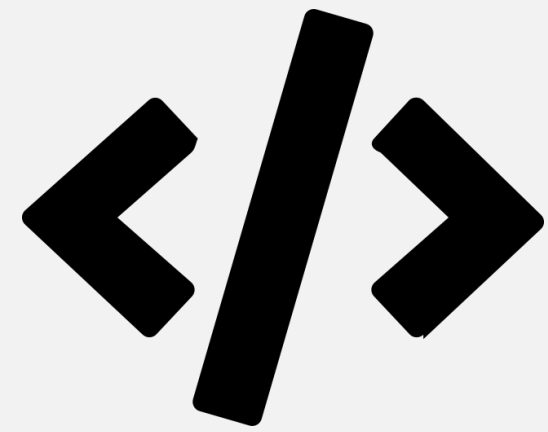
Outcomes

  github.com/ropensci/mchtoolbox
(experimental!)

 collateral learning

   www.monicagerber.com/2018/07/roundup-of-growth-chart-packages/

  ropensci.org/blog/2018/07/05/mchtoolbox/

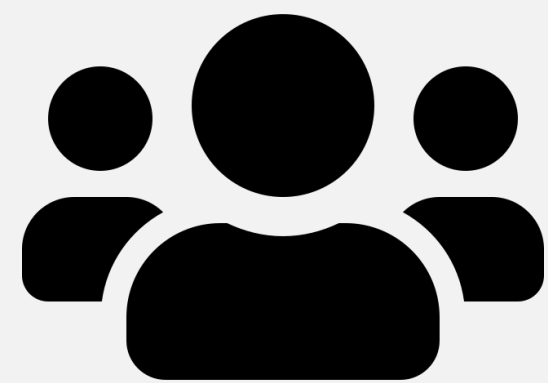


ropensci.org/packages/



github.com/ropensci/onboarding

ropensci.github.io/dev_guide/

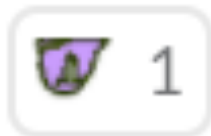


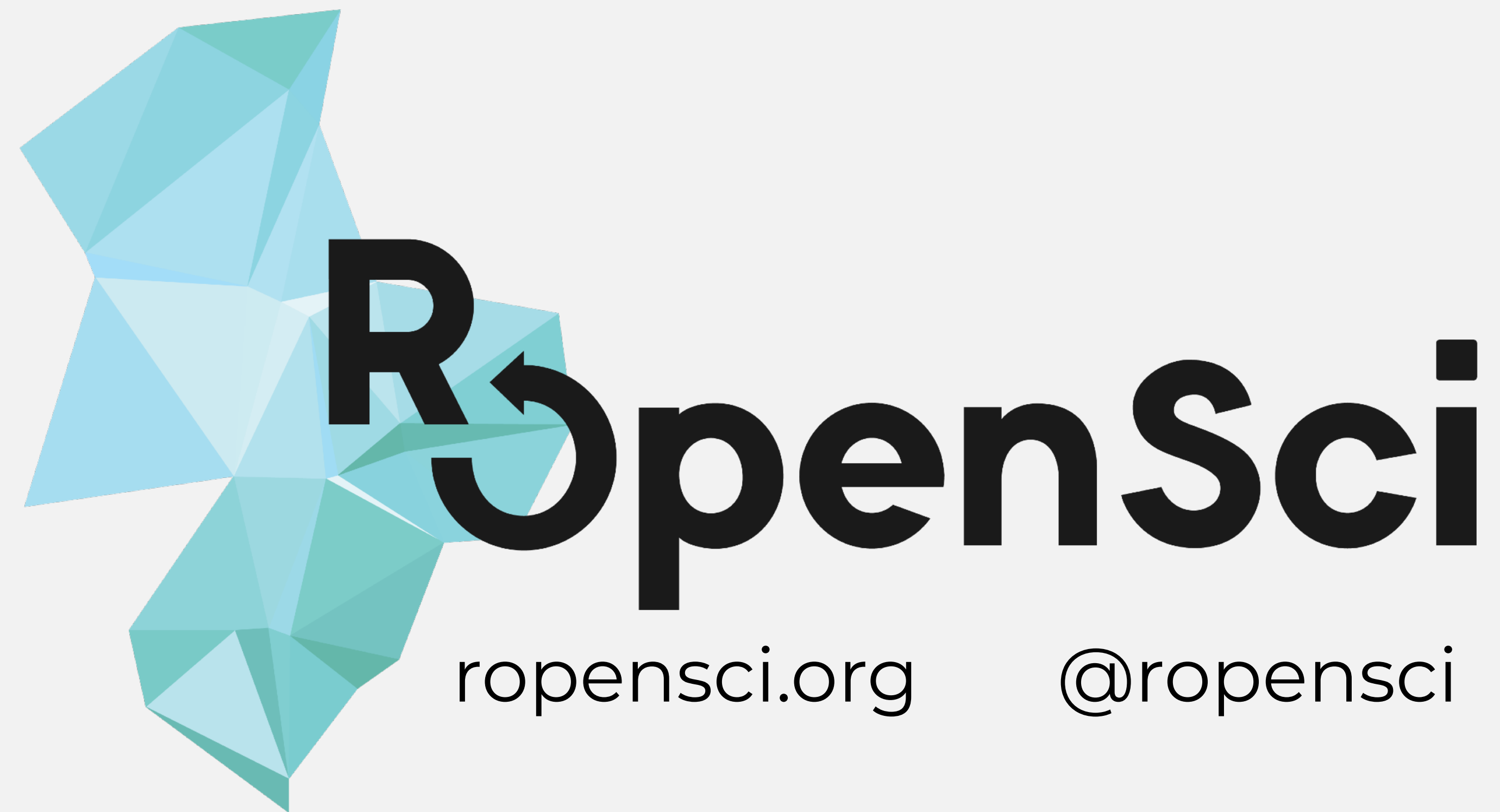
ropensci.org/community/



Holly Kirk 12:04 AM

SOMEONE ASKED ME AT A CHRISTMAS PARTY WHAT HAS BEEN A HIGHLIGHT OF 2018. I SAID JOINING THE ROPENSCI COMMUNITY. AND THEN FELT BOTH SUPER PROUD AND A BIT EMBARRASSED/NERDY AT THE SAME TIME.





Stefanie Butland
@stefaniebutland