



First R User Group Meeting

<https://rug-at-hdsi.org>

gwynn sturdevant, Nicole Swartwood, Christian Testa



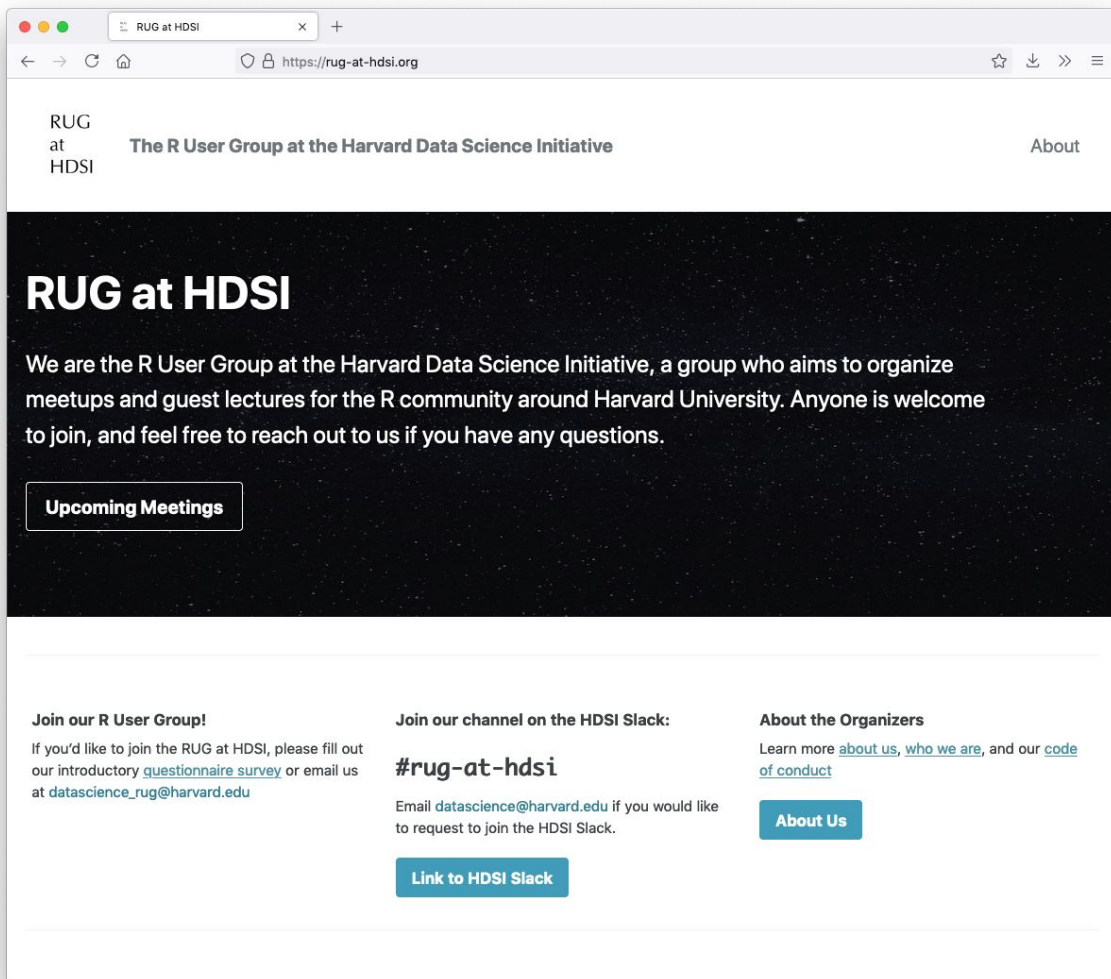
About Us

Check out our website

<https://rug-at-hdsi.org>

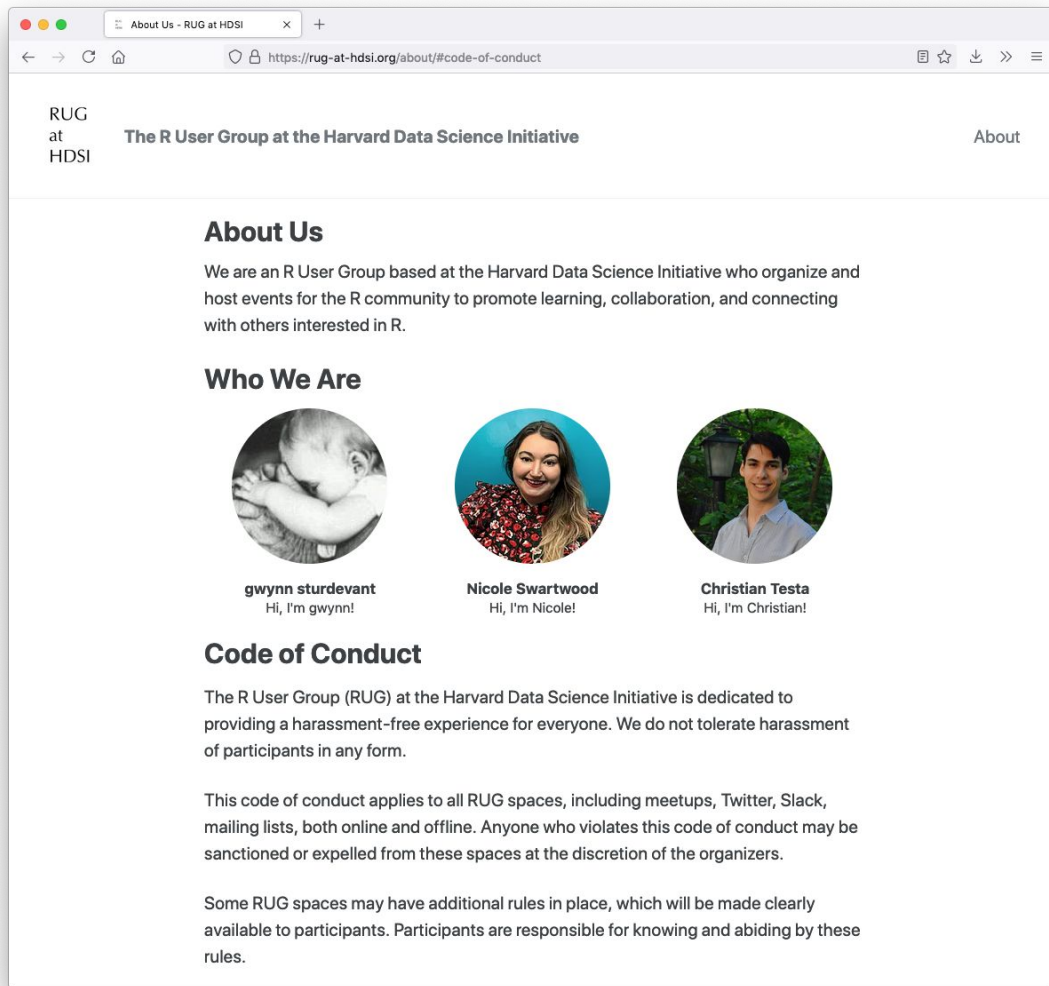
Take our new member survey!

Join the HDSI Slack and our channel



Code of Conduct

Our code of conduct outlines that we are intent to create an inclusive space that is safe for everyone.




The screenshot shows a web browser window with the address bar displaying `https://rug-at-hdsi.org/about/#code-of-conduct`. The page header includes the logo "RUG at HDSI" and the text "The R User Group at the Harvard Data Science Initiative", with an "About" link on the right.


About Us

We are an R User Group based at the Harvard Data Science Initiative who organize and host events for the R community to promote learning, collaboration, and connecting with others interested in R.


Who We Are



gwynn sturdevant
Hi, I'm gwynn!



Nicole Swartwood
Hi, I'm Nicole!



Christian Testa
Hi, I'm Christian!

Code of Conduct

The R User Group (RUG) at the Harvard Data Science Initiative is dedicated to providing a harassment-free experience for everyone. We do not tolerate harassment of participants in any form.

This code of conduct applies to all RUG spaces, including meetups, Twitter, Slack, mailing lists, both online and offline. Anyone who violates this code of conduct may be sanctioned or expelled from these spaces at the discretion of the organizers.

Some RUG spaces may have additional rules in place, which will be made clearly available to participants. Participants are responsible for knowing and abiding by these rules.

Intros - Christian



Christian Testa

Hi, I'm Christian!

<https://ctesta.com>

Hi everyone!

I'm a statistical analyst at the Harvard School of Public Health; I use mathematical and statistical models to quantify health inequities and their drivers. I use techniques including causal inference, geospatial statistics, and high performance computing.

Intros - Nicole

Hi y'all!

I am a research analyst in the Global Health and Population department. My current research focuses on mathematical models of tuberculosis and COVID-19 both domestically and abroad.

I am broadly interested in examining history of medicine, gendered data biases, and comparative linguistics.



Nicole Swartwood

Hi, I'm Nicole!

nicoleanneswartwood.com

Intros - gwynn

Welcome!

- Delivering data differently
- Reducing stigma
- Post-doc at LISH
- R-related groups
- Benefits organizing

Ideas for upcoming events

We've had some ideas about what we can do together, but we'd like to hear from you!

Share your interests in our new member survey!

Please tell us how much the following interest you

	A great deal	A lot	A moderate amount	A little	None at all
Guest Lectures from R Developers	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Introductory Talks on ...					
Data cleaning	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Data visualization	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Using statistical models	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other (potentially more advanced) R programming techniques	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Community help / debugging time	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Time to get to know other R users	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Show & tell for R related projects	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
An online forum to discuss R programming or personal R challenges	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Free food (if in-person)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Menti

Go to menti.com and enter the following code:

1313 3397




... or scan this QR code
on your smartphone
camera

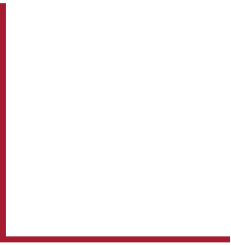


Group discussion time





Things you didn't know you can do in R, but
you can!

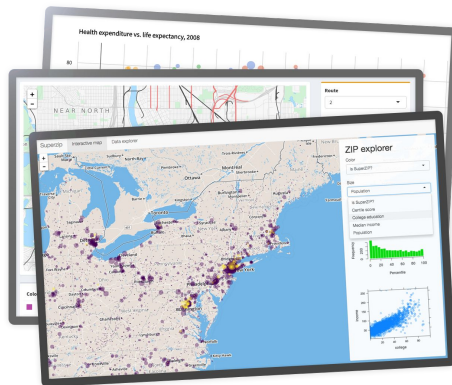


Rmarkdown, Shiny, and Database Connectivity



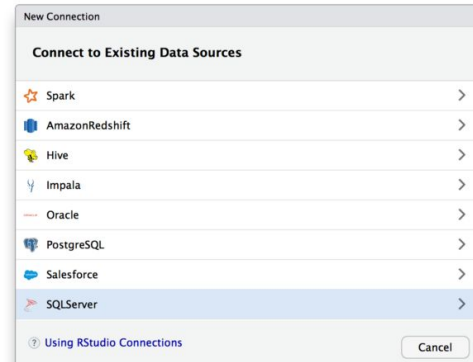
With Rmarkdown, you can create documents, presentations, and reports using R in a variety of formats that incorporate reproducible data visualizations and analytics!

<https://rmarkdown.rstudio.com>



The Shiny web framework allows R programmers to quickly create online dashboards with interactive data visualizations and ready-to-integrate widgets with no knowledge of web programming needed to get started!

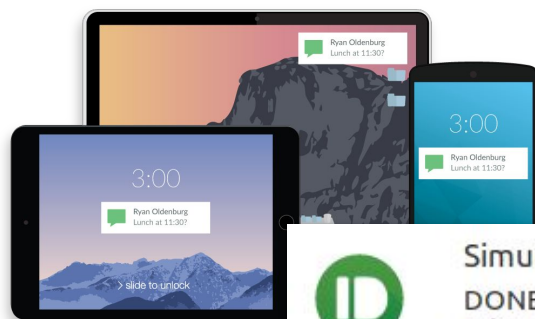
<https://shiny.rstudio.com>



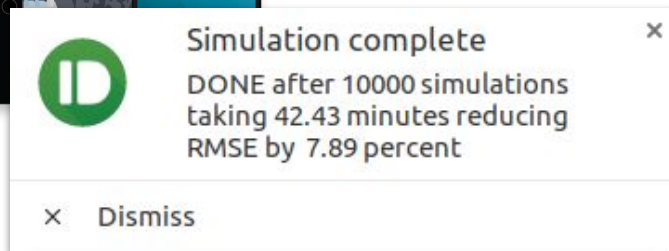
The database connectivity available in R allows users to interact with remote databases using R based data manipulation tools such as dplyr to perform large data-heavy computations remotely and to take advantage of cloud or distributed computing architectures.

<https://db.rstudio.com>

Messaging and infographics

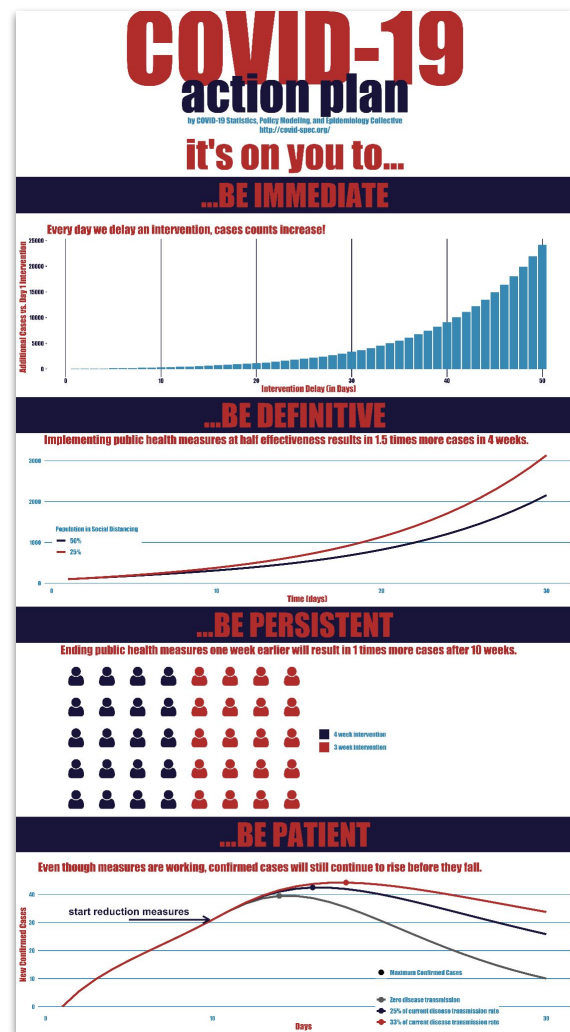


<https://github.com/eddelbuettel/rpushbullet>

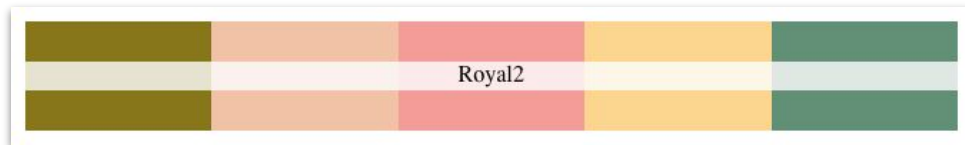


Connections to the pushbullet API allow you to send yourselves messages from your R console. This can be particularly useful when running scripts on a computing cluster -- allowing for real time error and completion messages.

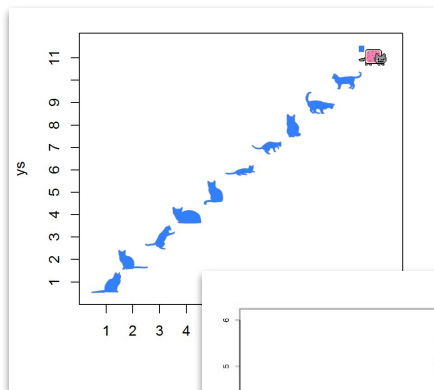
Combining the powerful data visualization power of ggplot and the grid package, you can create infographics based on your analysis right in R!



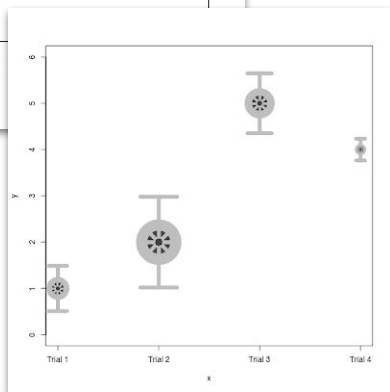
find yourR aesthetic



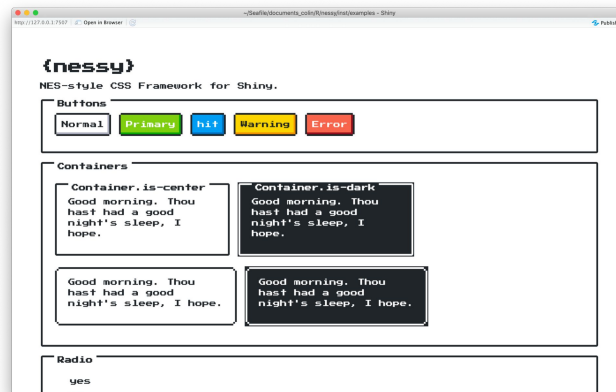
<https://github.com/karthik/wesanderson>



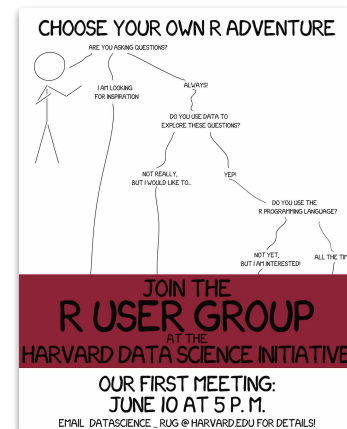
[github.com/
Gibbsdavid/
CatterPlots](https://github.com/Gibbsdavid/CatterPlots)



[https://github.com/sdjbrown/
publicFiles/blob/master/TIEplot.R](https://github.com/sdjbrown/publicFiles/blob/master/TIEplot.R)



<https://github.com/ColinFay/nessy>



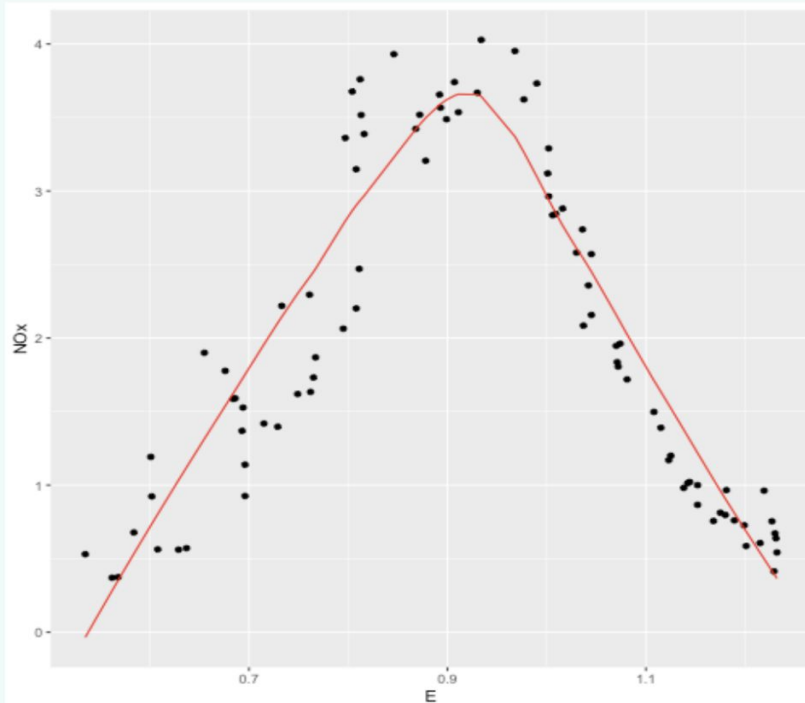
<https://xkcd.r-forge.r-project.org>

sound

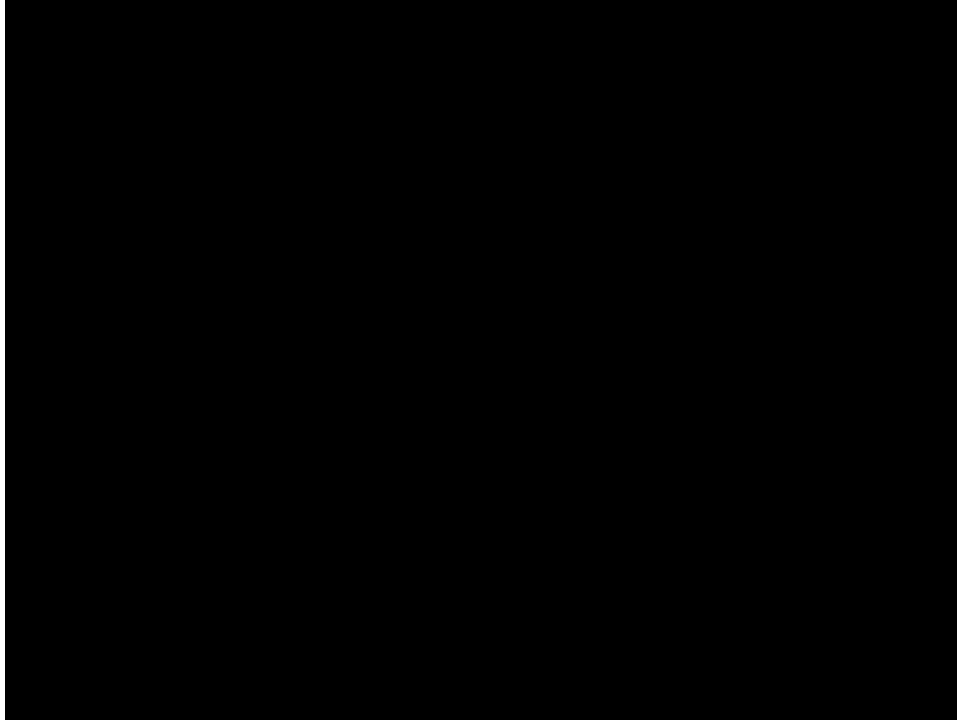
```
library(lattice)
library(sonify)
library(broom)

l2 <- loess(N0x ~ E, ethanol)
fit <- augment(l2)
s <- suppressWarnings(
  sonify(l2$x, l2$fitted,
        duration = 4,
        play = TRUE))

fit %>%
  arrange(.fitted) %>%
  ggplot(aes(E, N0x)) +
  geom_point() +
  geom_line(aes(y = .fitted),
            color = "red")
```



Sonimation



Thank you for coming!

We wish everyone the best and hope to see you again soon!