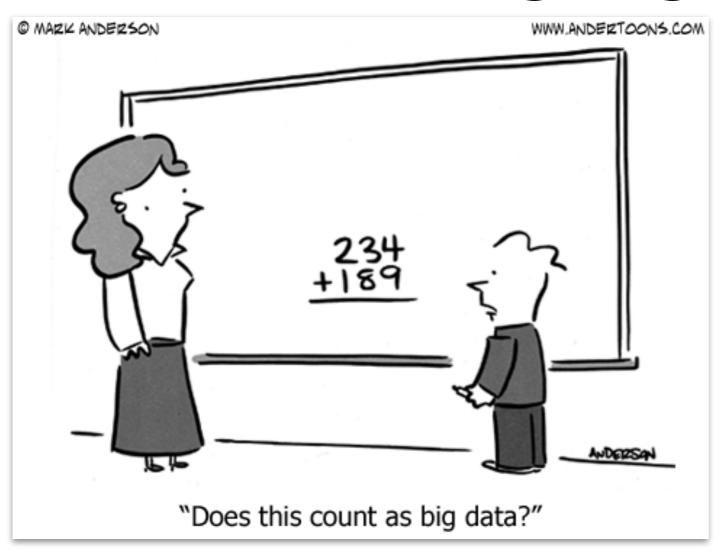
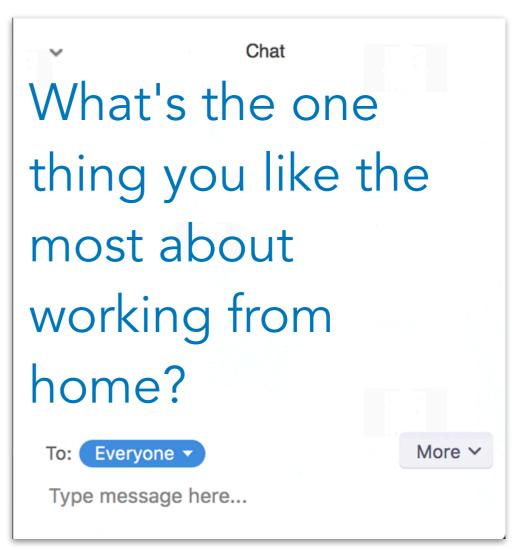
PSYCH 252: Statistical Methods for Behavioral and Social Sciences

Wrangling data 1

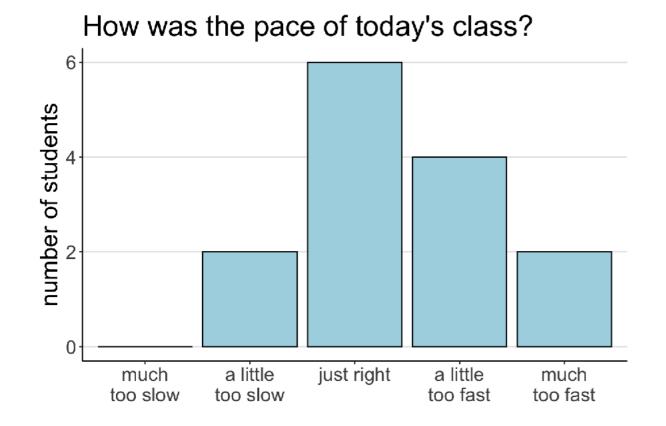


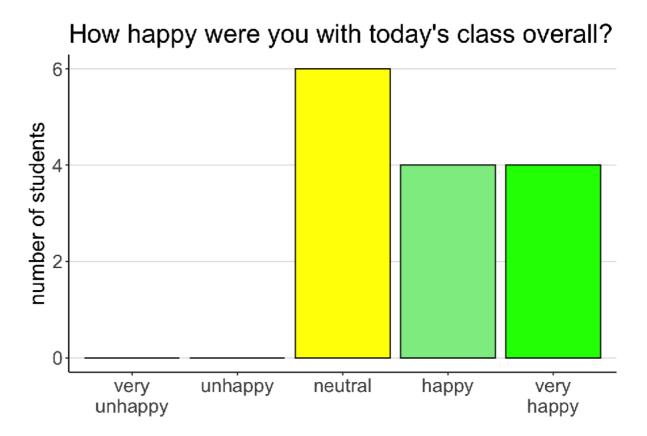




Your feedback

Your feedback





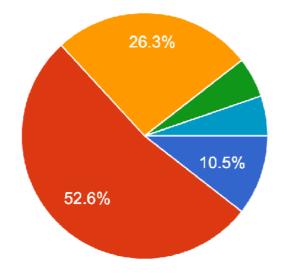
A little fast and unsure if this is normal for the class. If we are finding the pace fast, is it useful to look over the Rmd notes and try the practice problems ahead of time? Or will we then be too ahead of class?

After scrolling to a line of code, give us 7 seconds to catch up to the same line of code.

I will try and go more slowly today

Introductory survey

What year of graduate school are you in?
19 responses

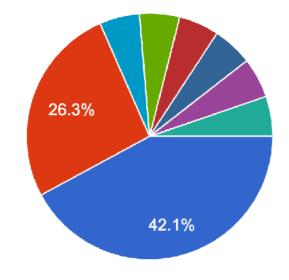


Undergraduate123

5+

What department are you in?

19 responses

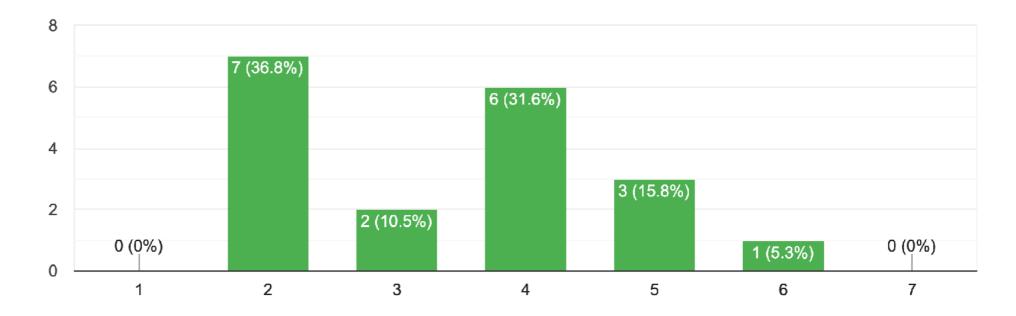




Introductory survey

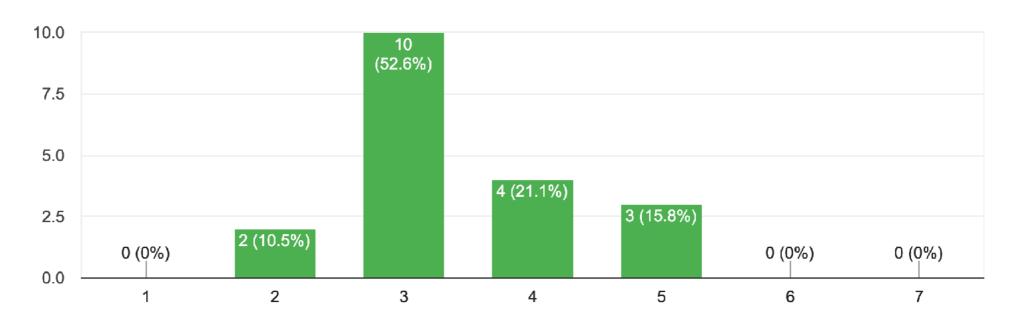
Please rate your level of experience with computer programming

19 responses



Please rate your level of experience with statistics

19 responses



Some tips and tricks

Practice Plot 3

Hi everyone,

I am trying to recreate the plot as part of Practice Plot 3 in Visualization 1.

I wrote this so far:

this is great!

Actions >

```
ggplot(df.diamonds,
    aes(x = color,
    y = price,
    group = clarity,
    color = clarity))+
stat_summary(fun.y = "mean",
    geom = "line") +
stat_summary(fun.data = "mean_cl_boot",
    geom = "linerange")
```

The thickness of my lines is not right and I played a lot with "size = [number]" and managed to do a lot of weird graphs but didn't manage to recreate the actual plot.

Can someone tell me where and how to tell R that I want thicker lines?

Thanks!

rstudio

this is even better!

- best way to get help is by posting a reprex
- reprex = reproducible example

reprex





Overview

Prepare reprexes for posting to GitHub issues, StackOverflow, or Slack snippets. What is a reprex ? It's a reproducible example, as coined by Romain François.

Given R code on the clipboard, selected in RStudio, as an expression (quoted or not), or in a file ...

- run it via rmarkdown::render(),
- with deliberate choices re: arguments and setup chunk.

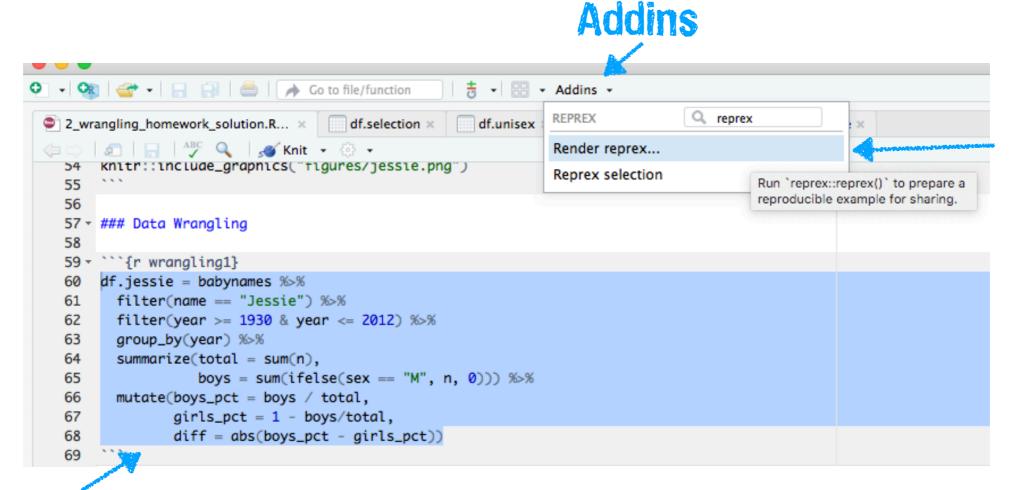
Get resulting runnable code + output as

- Markdown, formatted for target venue, e.g. gh or so, or as
- R code, augmented with commented output.

Result is returned invisibly, placed on the clipboard, and written to a file. Preview an HTML version in RStudio viewer or default browser.



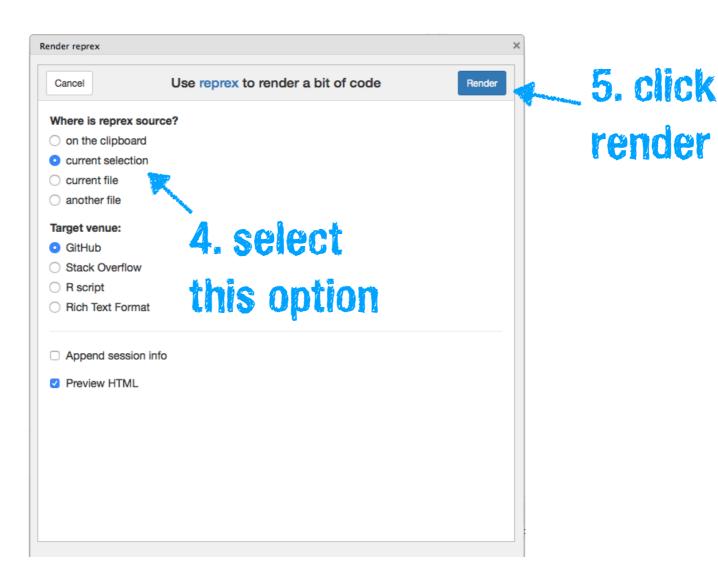
install.package("reprex")



2. click on

3. Render reprex

1. select the text

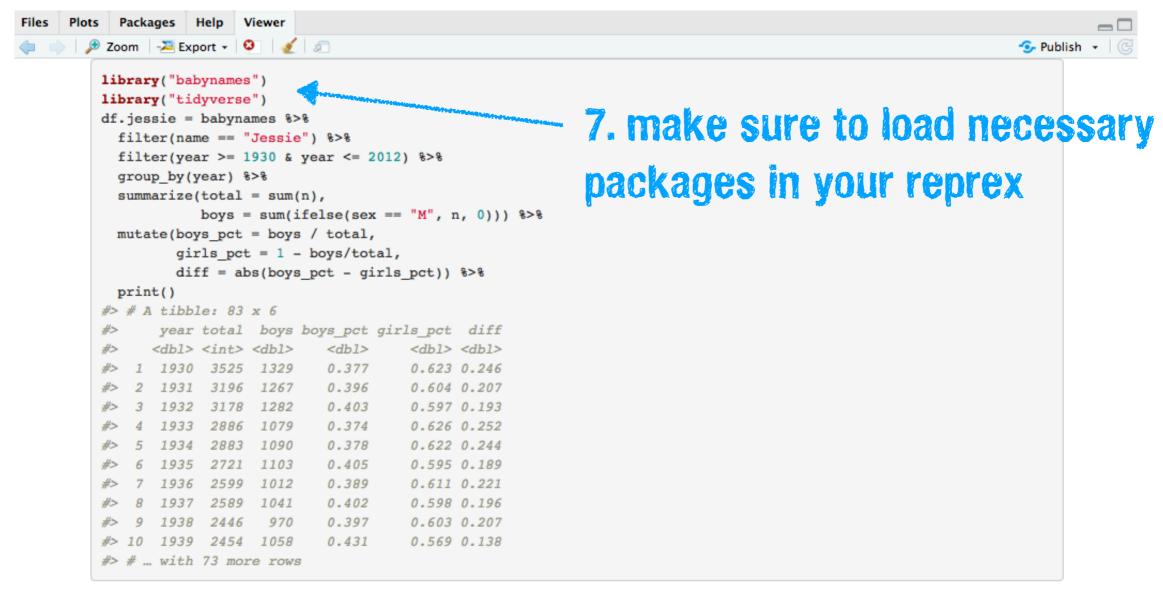


6. copy and paste from the viewer

```
Files Plots Packages Help Viewer

df.jessie = babynames %>%
    filter(name == "Jessie") %>%
    filter(year >= 1930 & year <= 2012) %>%
    group_by(year) %>%
    summarize(total = sum(n),
        boys = sum(ifelse(sex == "M", n, 0))) %>%
    mutate(boys_pct = boys / total,
        girls_pct = 1 - boys/total,
        diff = abs(boys_pct - girls_pct))

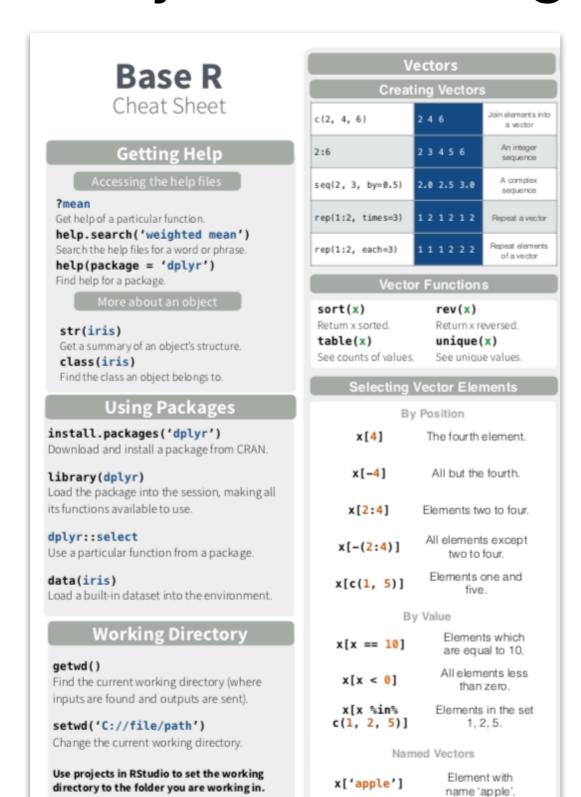
#> Error in babynames %>% filter(name == "Jessie") %>% filter(year >= 1930 & : could not find function "%>%"
```



Created on 2019-01-24 by the reprex package (v0.2.1)

Data wrangling 1

Two styles of coding in R





Software can be chaotic, but we make it work



Expert

Trying Stuff Until it Works

O RLY?

The Practical Developer

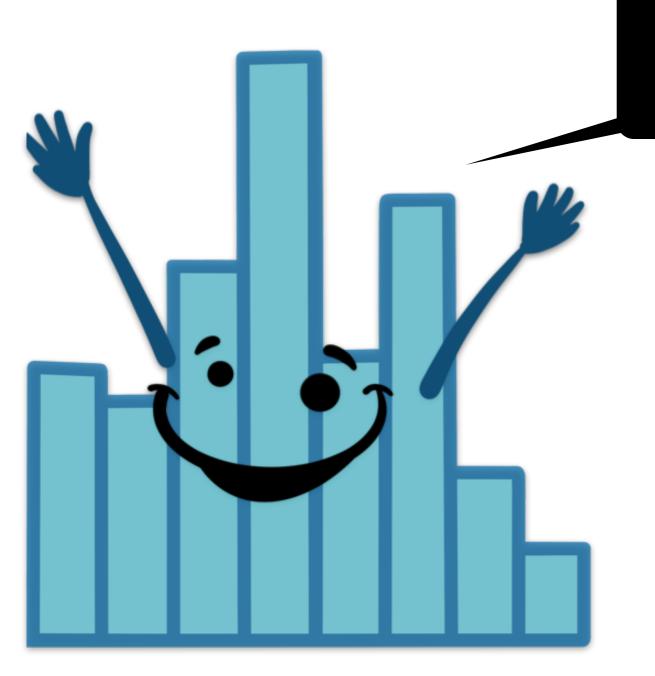
@ThePracticalDev

RStudio time WARS



01:00

stretch break!





Feedback

How was the pace of today's class?

much a little too too slow

just right a little too fast much too

fast

How happy were you with today's class overall?



What did you like about today's class? What could be improved next time?