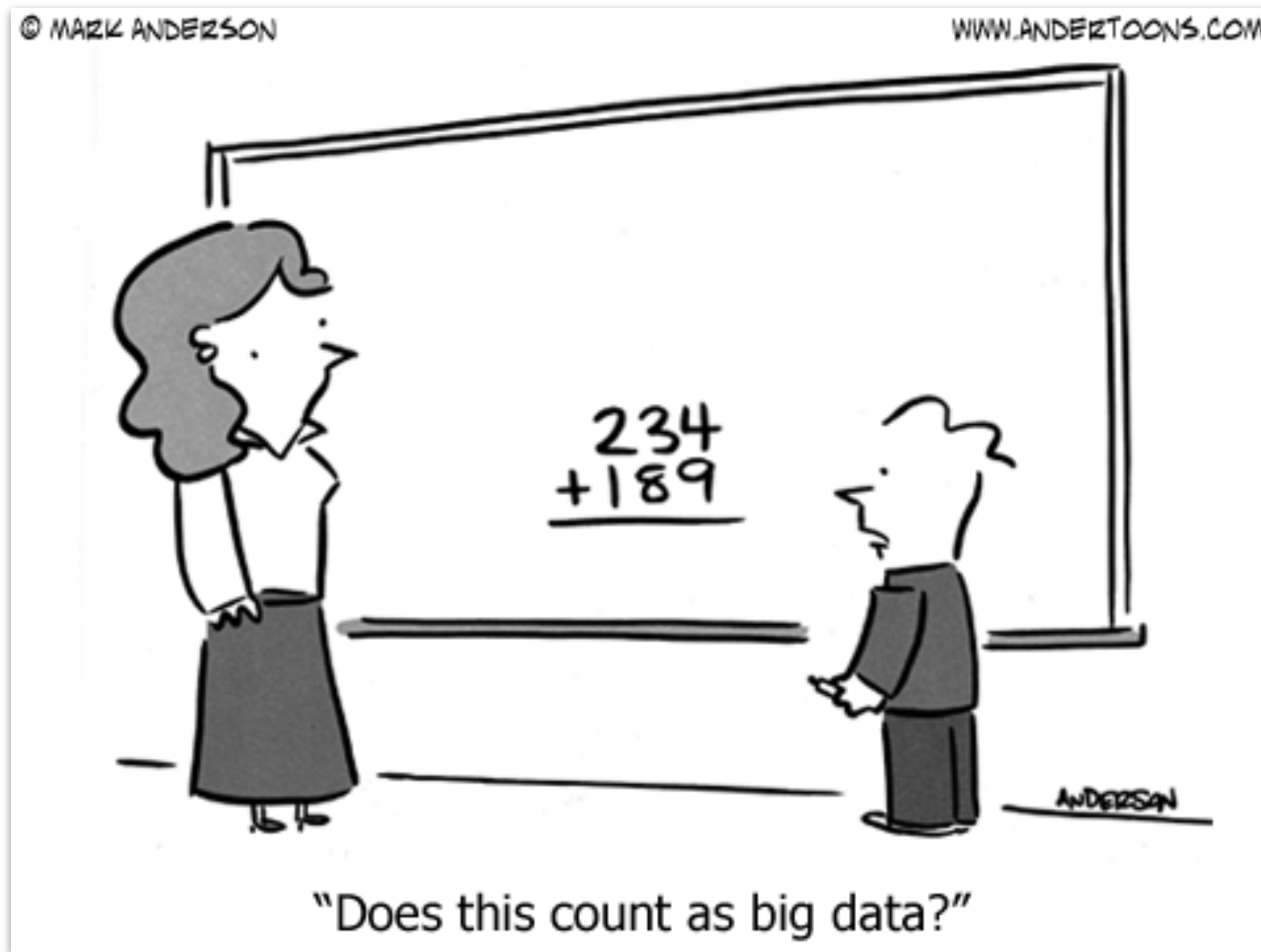


Please keep rows
3 and 6 free again!

Data wrangling 1

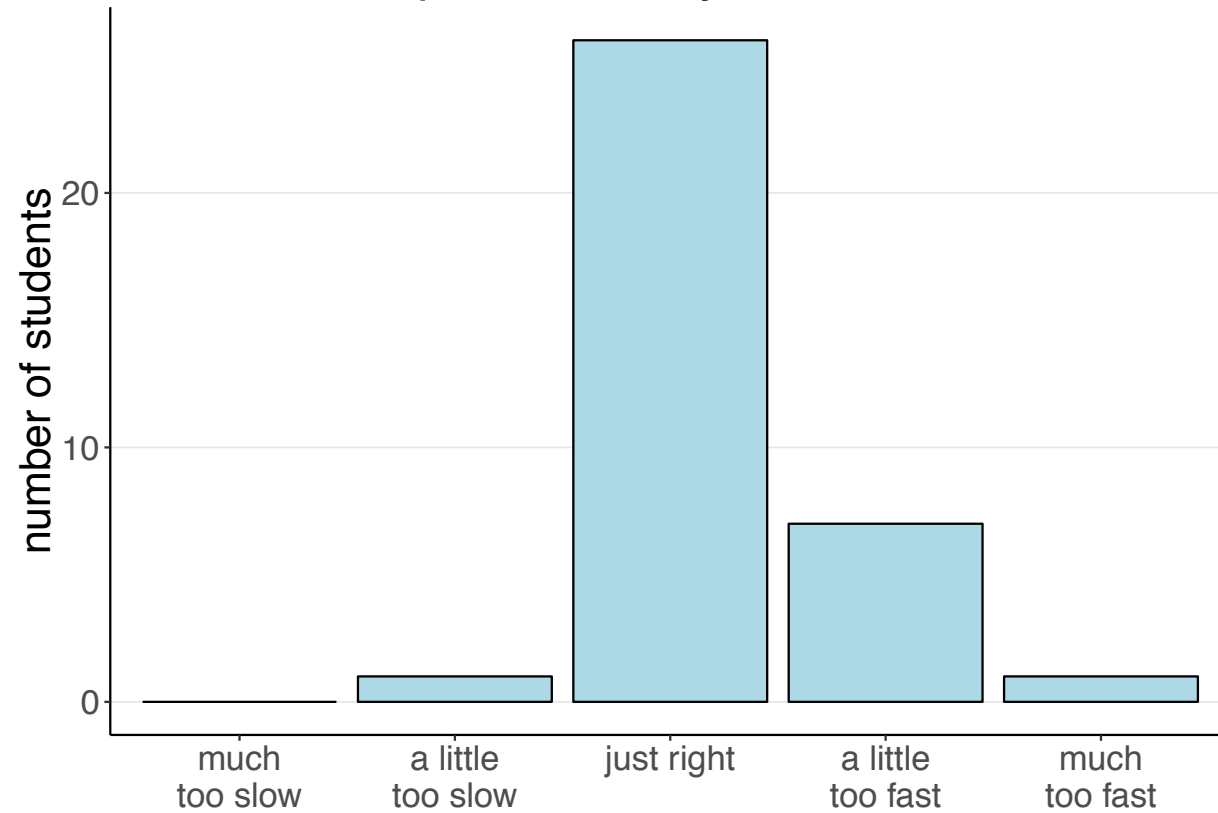


01/14/2019

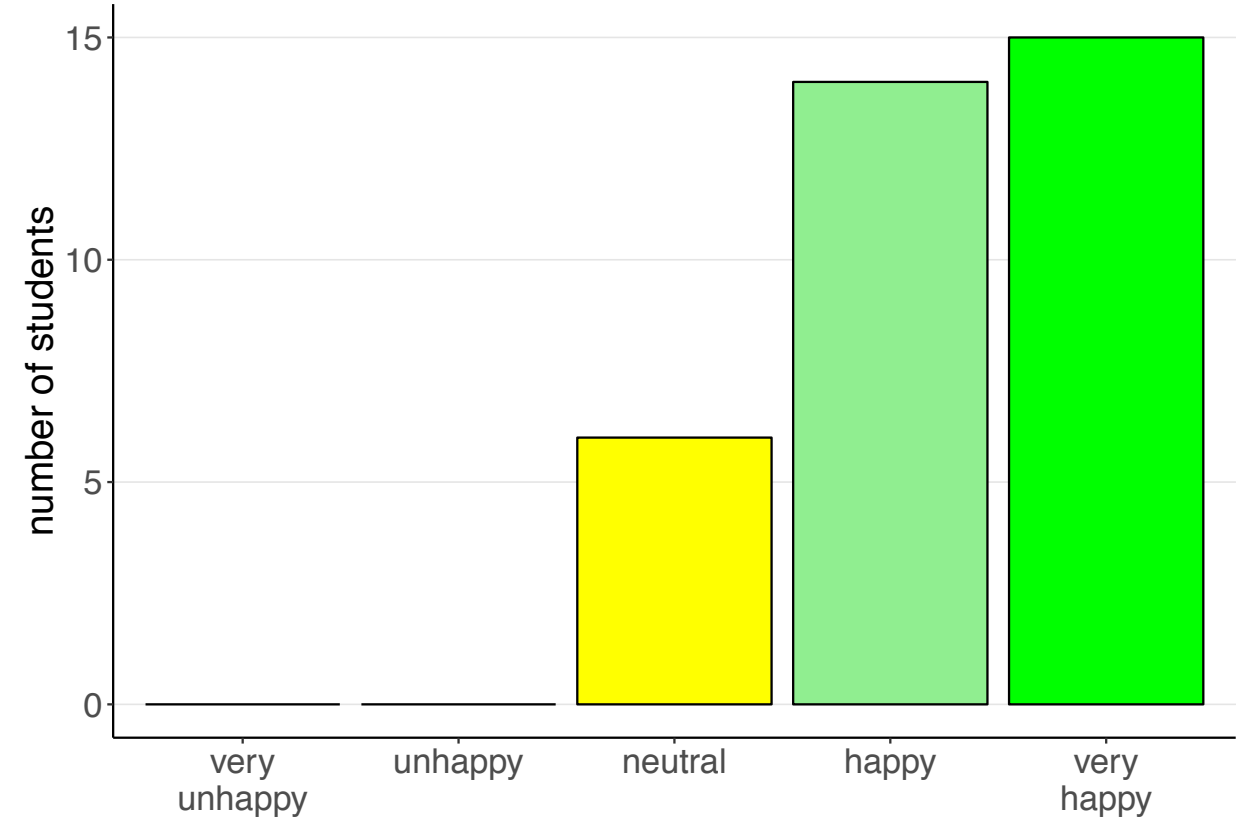
Your feedback

Your feedback

How was the pace of today's class?



How happy were you with today's class overall?



Your feedback

I like the music. And the hammer. I felt we went too quickly over the last bit of the visualization 2 file, which is probably the content that is most unfamiliar to most people. **For example, I'm still not sure what snippets are.**

short customizable scripts for writing bits of code

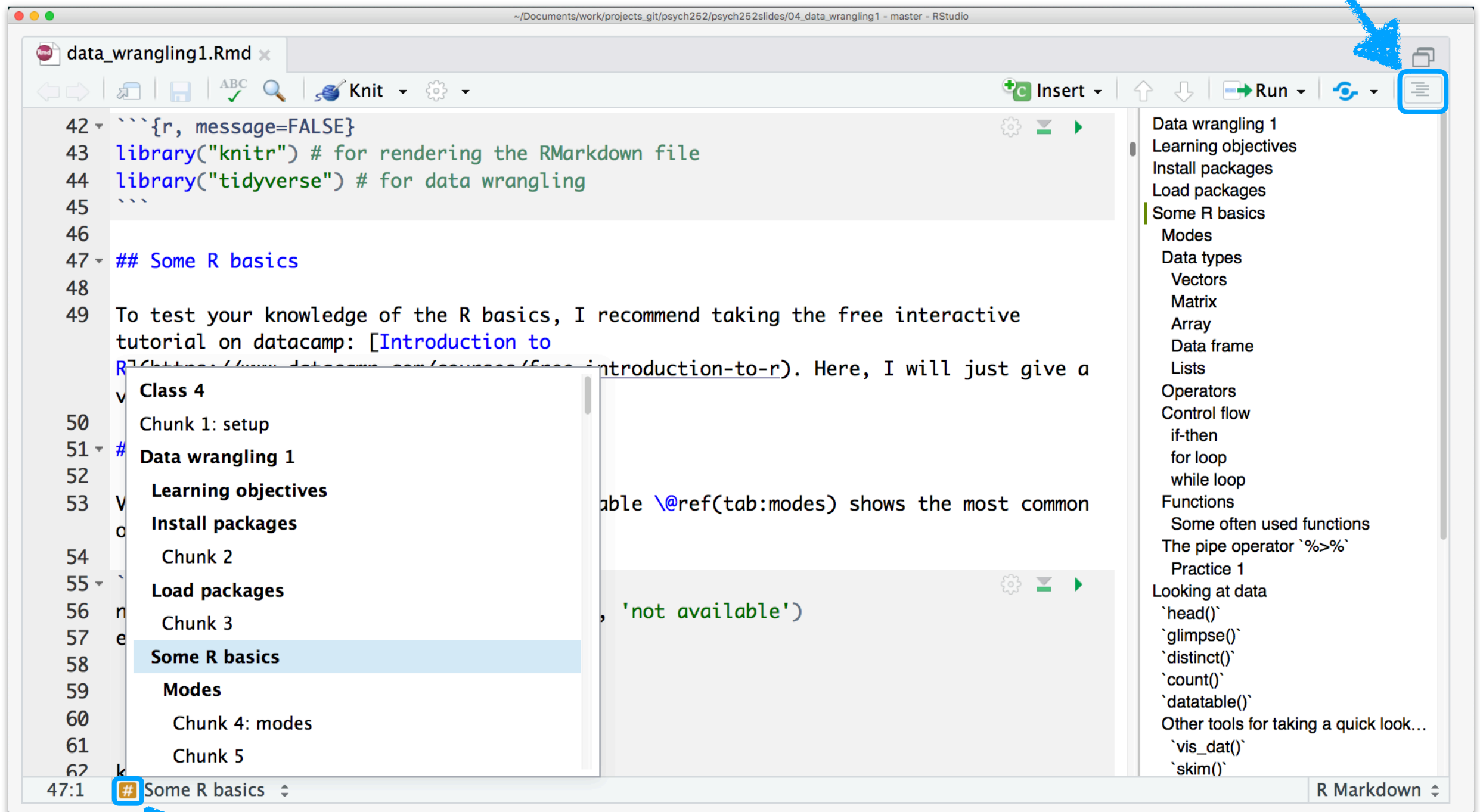
Your feedback

Great overall. Possibly too much material planned for 1 class. The exercises are super helpful. **Note that our lines in the code don't match yours once we fill in an exercise, so direct references to lines as pointers to where we are don't always work.**

good point!

Follow me

Document outline
(cmd + shift + o)



The screenshot shows the RStudio interface with a file named `data_wrangling1.Rmd` open. The main editor displays R code for setting up a document and a code chunk titled `## Some R basics`. A blue arrow points to the document outline icon in the top right corner. The document outline on the right lists the structure of the document, with `Some R basics` selected. A blue arrow points to the code chunk viewer icon in the bottom left corner. The code chunk viewer on the left shows the contents of the selected chunk, including a title `Class 4`, a subtitle `Chunk 1: setup`, and a list of topics: `Data wrangling 1`, `Learning objectives`, `Install packages`, `Load packages`, `Some R basics`, `Modes`, and `Chunk 4: modes`.

```
42 {r, message=FALSE}
43 library("knitr") # for rendering the RMarkdown file
44 library("tidyverse") # for data wrangling
45
46
47 ## Some R basics
48
49 To test your knowledge of the R basics, I recommend taking the free interactive
50 tutorial on datacamp: [Introduction to
51 R](https://www.datacamp.com/courses/free-introduction-to-r). Here, I will just give a
52
53 Class 4
54
55 Chunk 1: setup
56
57 # Data wrangling 1
58
59 Learning objectives
60
61 Install packages
62
63 Chunk 2
64
65 Load packages
66
67 Chunk 3
68
69 Some R basics
70
71 Modes
72
73 Chunk 4: modes
74
75 Chunk 5
```

Document outline:

- Data wrangling 1
- Learning objectives
- Install packages
- Load packages
- Some R basics
- Modes
- Data types
- Vectors
- Matrix
- Array
- Data frame
- Lists
- Operators
- Control flow
- if-then
- for loop
- while loop
- Functions
- Some often used functions
- The pipe operator `%>%`
- Practice 1
- Looking at data
- ``head()``
- ``glimpse()``
- ``distinct()``
- ``count()``
- ``datatable()``
- Other tools for taking a quick look...
- ``vis_dat()``
- ``skim()``

Code chunk viewer:

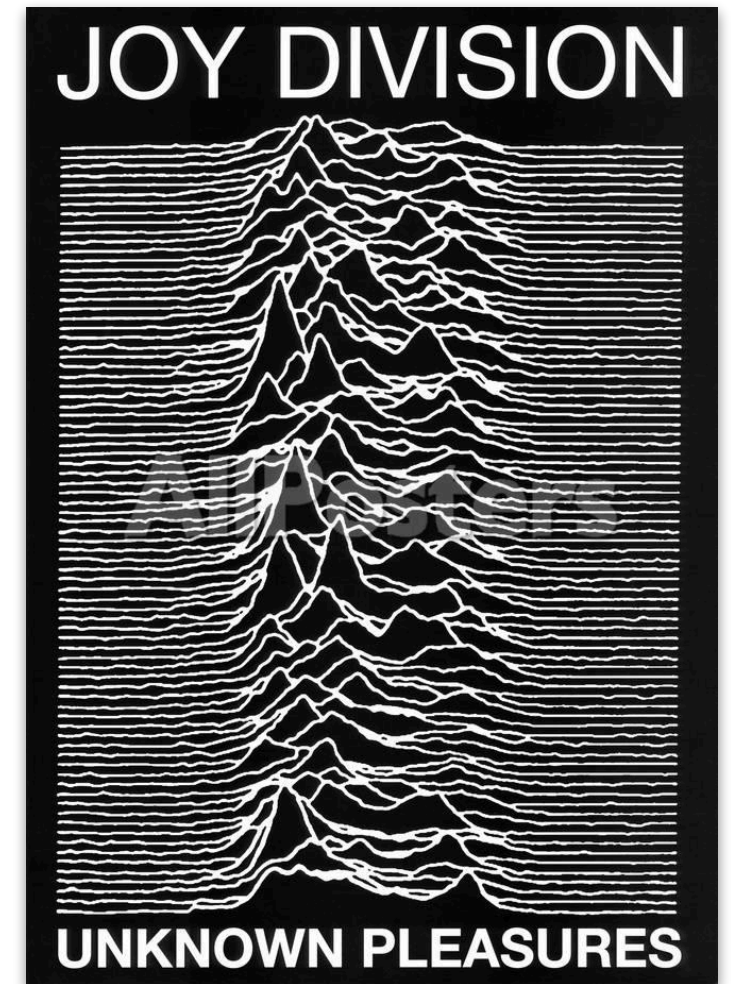
- Class 4
- Chunk 1: setup
- # Data wrangling 1
- Learning objectives
- Install packages
- Chunk 2
- Load packages
- Chunk 3
- Some R basics
- Modes
- Chunk 4: modes
- Chunk 5

Code chunk viewer

Your feedback

you should play joy division during the breaks as a callback to the joy plots

let's do it!



Logistics

Homework

Due tomorrow at 8pm.

Homework 2 will be released Wednesday after class.

Homework

100 - 500 words is good

Instructions

In this homework, you'll write a short blog post about a data set. Your goal is to tell us something interesting using a well-crafted, thoughtfully-prepared data graphic. One data graphic should suffice, but you may include more if you choose (not more than 3 though). Feel free to make plots with multiple panels by using the `patchwork` package we've discussed (or one of the alternatives such as `cowplot`).

Your blog post should be short (between 100 and 300 words). We envision an introductory paragraph that explains your findings and provides some context to your data, the data graphic(s), and then a caption-like paragraph providing more detail about what to look for in the data graphic and how to interpret it. That is it. You will not earn more points by including more words or data graphics. What we are looking for is something that is insightful and well-crafted.

Here are some examples of articles that are similar in spirit to yours. Most of these are **much longer** than yours will be, but the idea is similar: use a good data graphic to tell us something we don't already know.

- [How to Tell Someone's Age When All You Know Is Her Name](#)
- [A Better Way To Find The Best Flights And Avoid The Worst Airports](#)
- [NYC Taxis and Uber](#)
- [Data on people who went to ER for wall-punching](#)

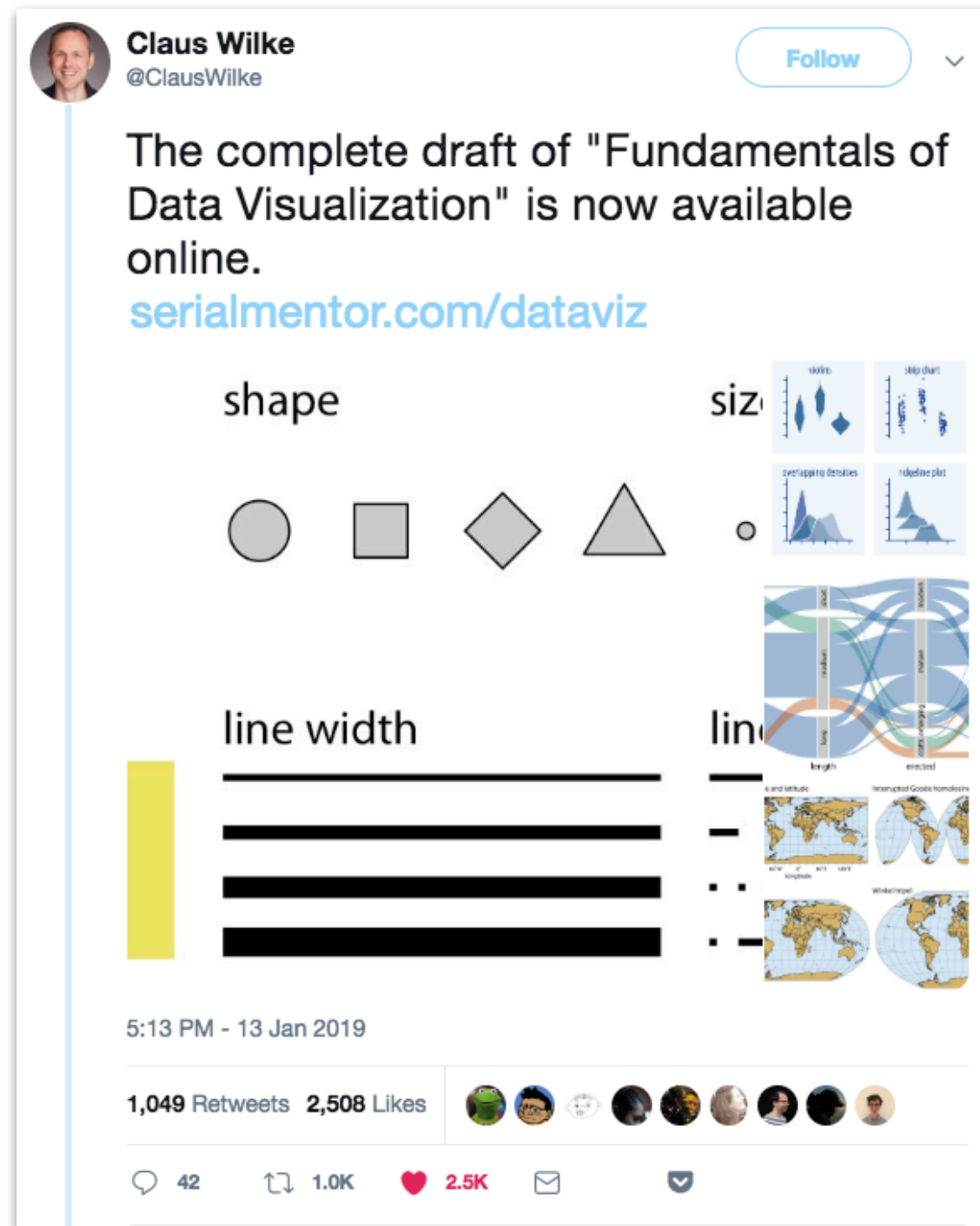
Average

- +1 unnecessary messages from R are hidden from being displayed in the HTML
- +1 for including a catchy and/or engaging title
- +1 for having at least 100 words and no more than 500 words
- +1 for explaining in a single coherent sentence what we can learn from this graphic
- +1 for explaining the choice of geometric mapping

Advanced

- +1 blog post text provides context or background useful in interpreting the graphic
- +0-4 WOW factor: awarded at the grader's discretion for submissions that are exceptionally compelling

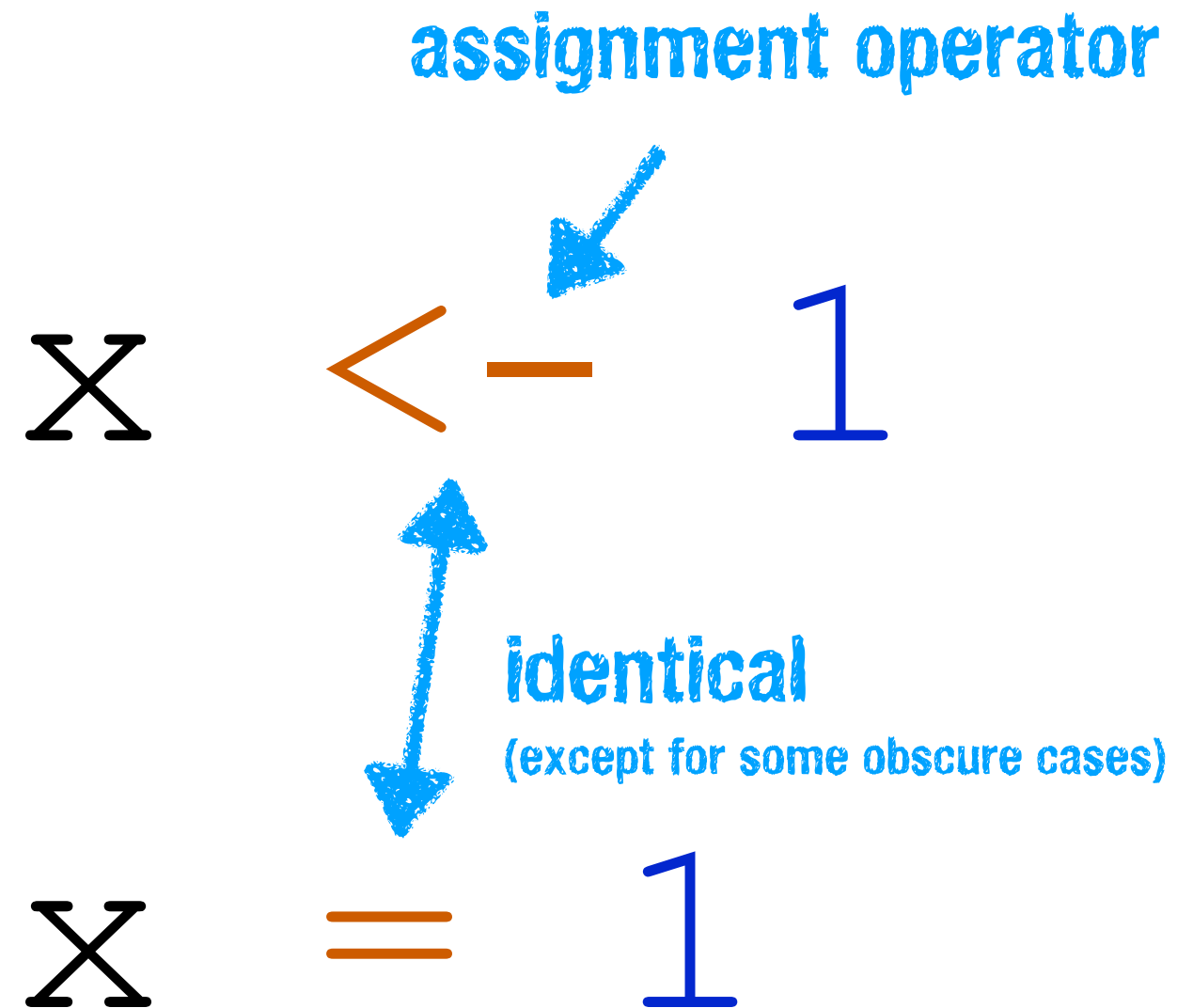
Complete draft of free online book



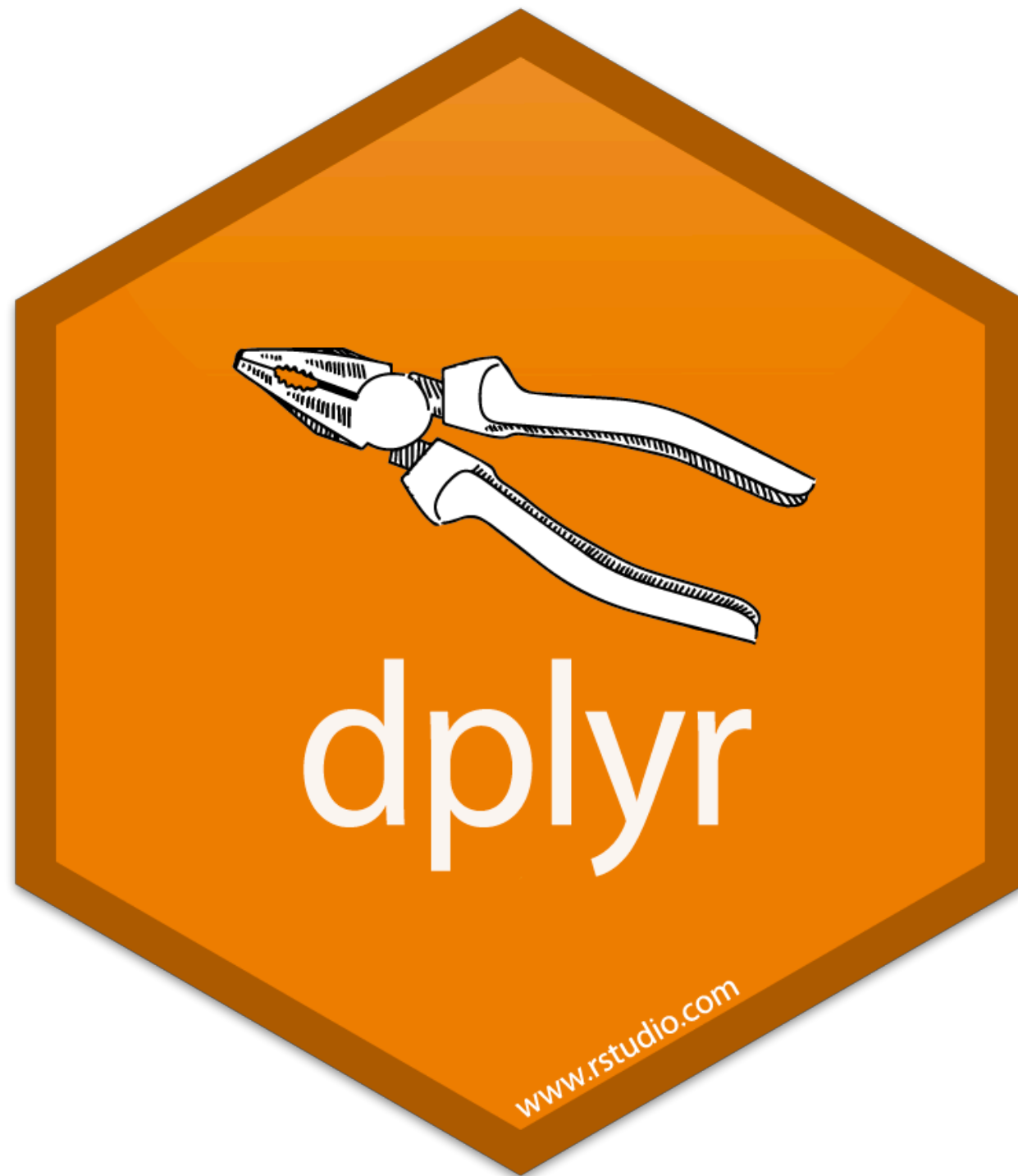
<https://serialmentor.com/dataviz/>

Data wrangling 1

Assignment operator







Making Data Wrangling Suck Less

Software can be chaotic, but we make it work



Expert

Trying Stuff Until it Works

O RLY?

The Practical Developer
@ThePracticalDev

RStudio time