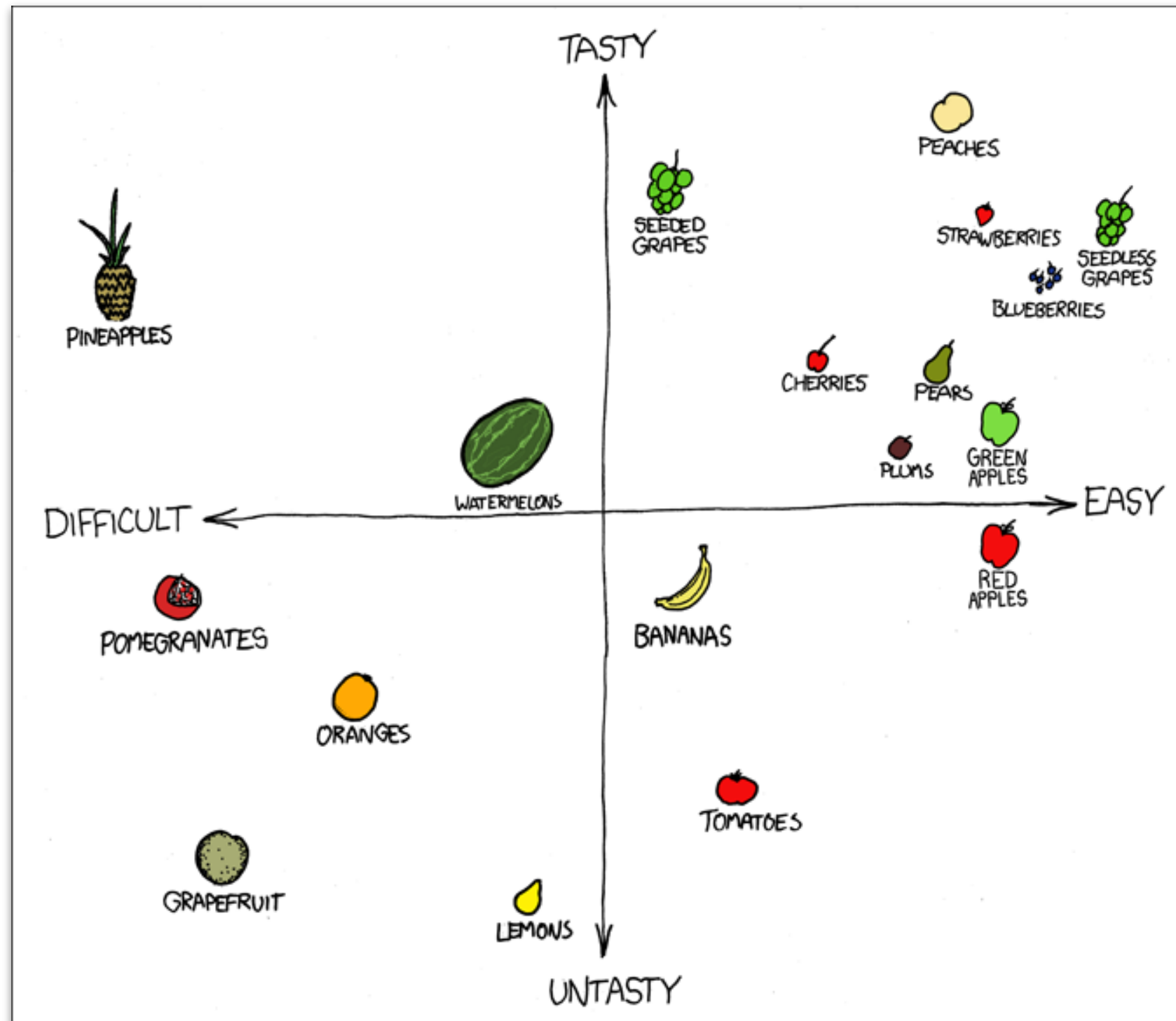


# Visualization 1



01/09/2019

# Mona Rosenke (she/her/hers)

- I am interested in how our brain processes visual stimuli. In particular, I am looking at the anatomical structures in visual cortex during development, in the healthy adult brain, and in the congenitally blind.
- Moreover I am a passionate rock climber, and love going backpacking with my dog.

Mona Rosenke



Role: Teaching assistant

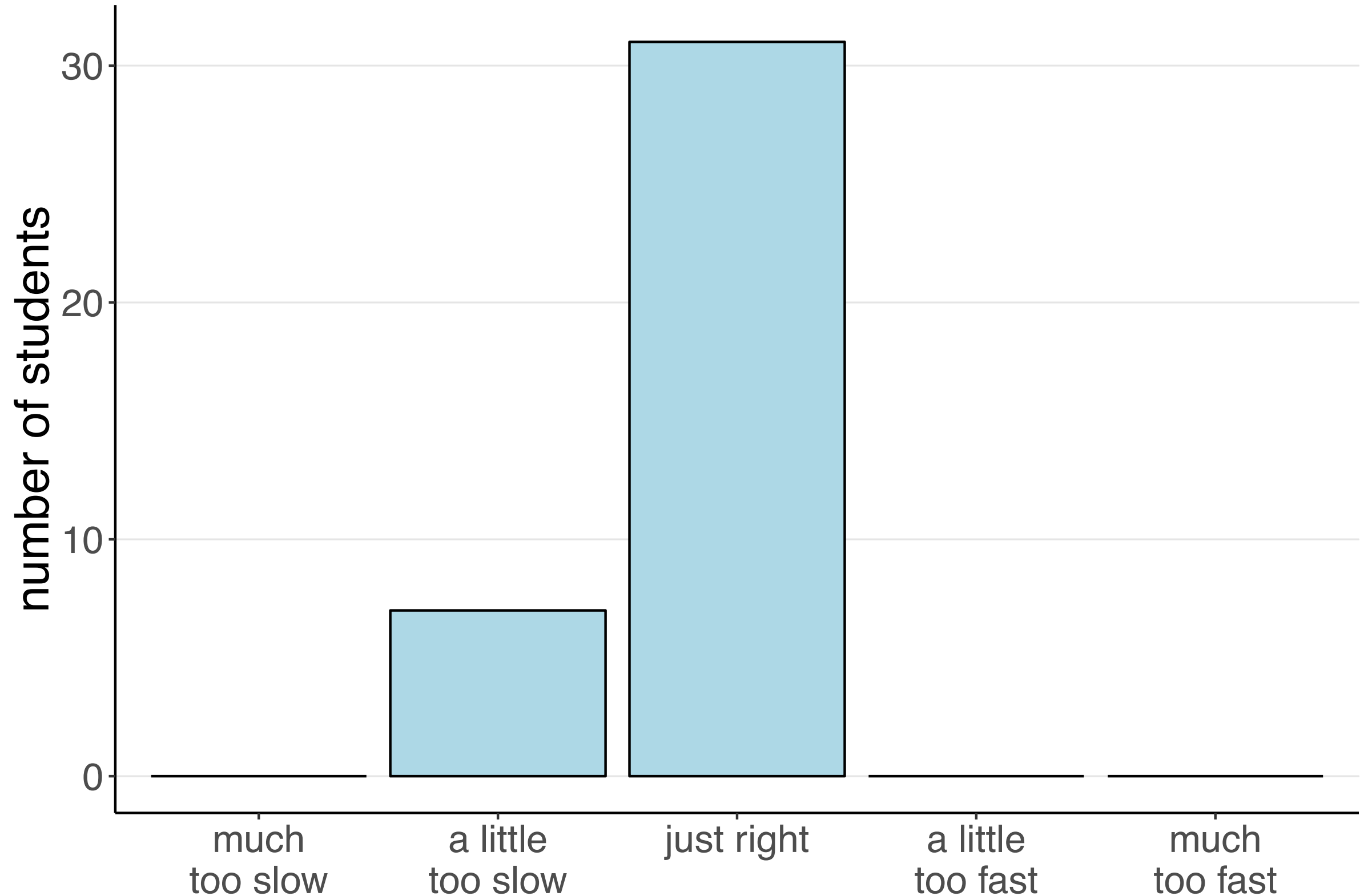
Email: [rosenke@stanford.edu](mailto:rosenke@stanford.edu)

Office: 424

Office hours: Tuesday 4:30-5:30pm

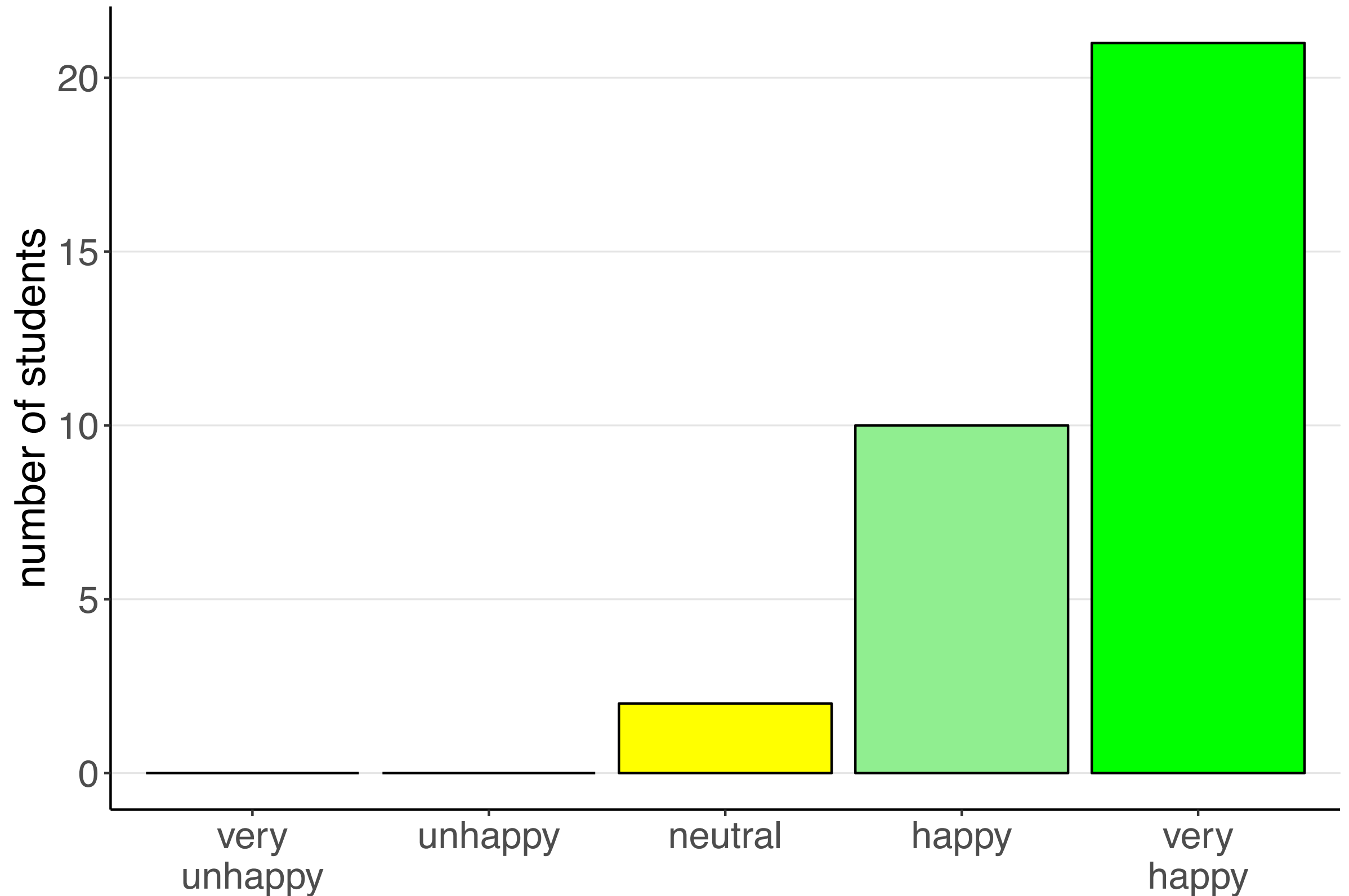
# Your feedback

How was the pace of today's class?



# Your feedback

How happy were you with today's class overall?



# Your feedback

I appreciate knowing expectations about the course. Humor was also helpful. Having a date for the midterm and more details about the final project will be helpful as I plan my quarter. **Might be good to dive into some material, too,** although I imagine that'll happen on Wednesday. **yes!**

# Your feedback

I would have liked to hear more from you on **what you define to be 'good science.'** For example, you alluded to replication, but beyond replication, what are some of your thoughts or philosophical orientation when it comes to conducting social science.

**good question!**

# Your feedback

**It was nice to meet our neighbors.** I hope we keep having time and ways to meet others in class. It makes it easier to ask each other questions when the time comes. I like how many resources you list on the class website.

**will keep it up!**

# Logistics



# Midterm

Will be available **Monday, February 11<sup>th</sup>** after class,  
and is due on **Tuesday, February 12<sup>th</sup> at 10pm.**

There will be no homework the week before.

# Final project

- **Project proposal:**

- one page maximum
- we'll provide an R Markdown template
- **due February, 21st (Thursday)**

- **Presentation:**

- groups present together
- time for presentation scales with group size

- **Report:**

- ~ 2000 words per person
- answer an interesting research question
- demonstrate what you've learned in class:
  - data wrangling
  - visualization
  - statistical modeling
  - reporting

# Coding



**blue**

(shade of blue  
doesn't matter)



**pink**

# Homework

# Homework

- install `tinytex` (<https://yihui.name/tinytex/r/>)
  - open `1-visualization.Rproj`
  - open and run `install_tinytex.R`

TINYTeX

*TinyTeX: A lightweight  
and easy-to-maintain  
LaTeX distribution*

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FAQs •

R package •

Hall of Pain •

中文文档 •

Github repo •

Yihui Xie •

•

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TinyTeX

A lightweight, cross-platform, portable, and  
easy-to-maintain LaTeX distribution based on  
TeX Live

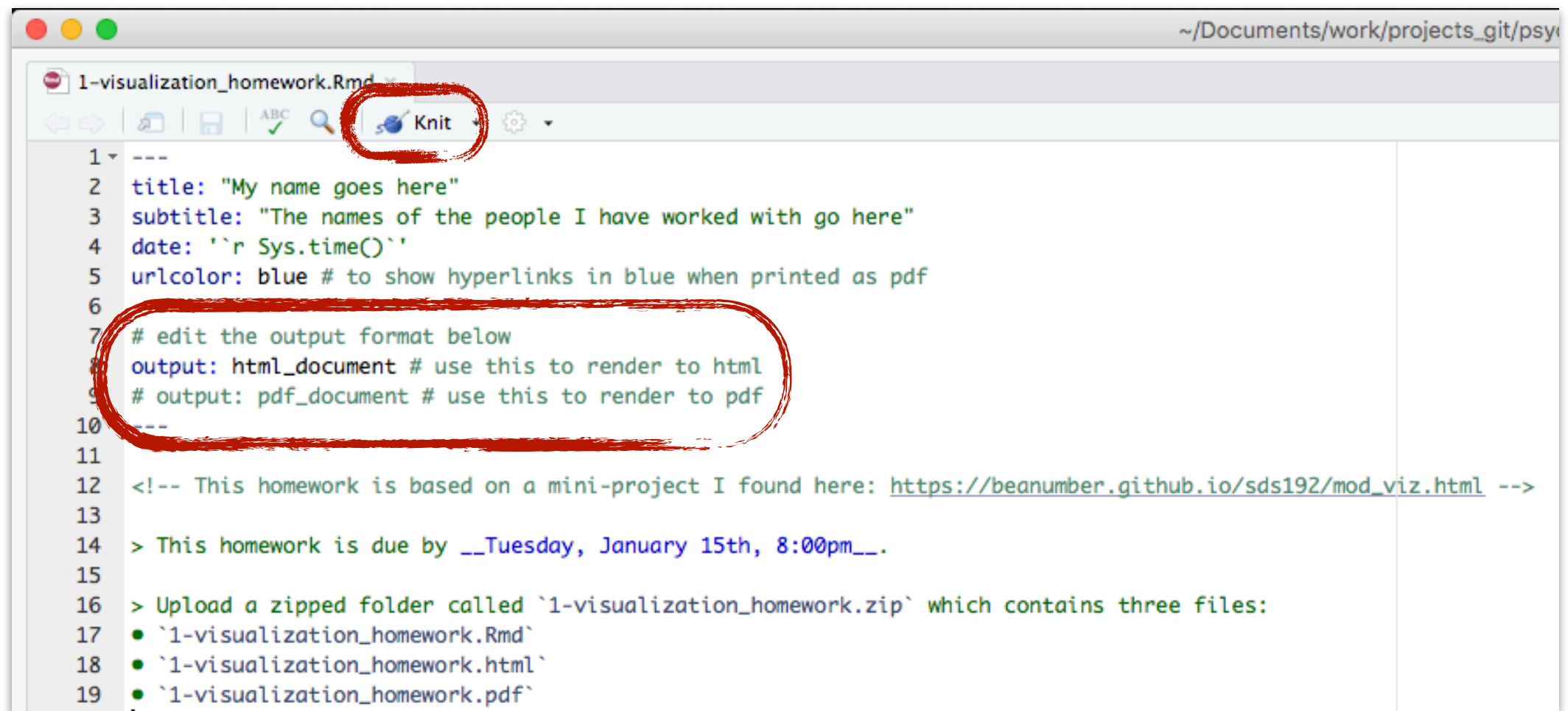
TinyTeX is a custom LaTeX distribution based on TeX Live that is small in size but functions well in most cases, especially for R users. If you run into the problem of missing LaTeX packages, it should be super clear to you what you need to do (in fact, R users won't need to do anything). *You only install LaTeX packages you actually need.*

TinyTeX only provides an installation script that downloads and installs TeX Live over the network. It may take a couple of minutes, depending on your network speed. Before you install TinyTeX, I recommend that *you uninstall your existing LaTeX distribution.* Currently TinyTeX works best for R users. Other users can use it, too (it is just that missing LaTeX packages won't be automatically installed).

Installing or running TinyTeX *does not* require admin privileges, which means you no longer need sudo or your IT. You can even run TinyTeX from a Flash drive.

# Homework

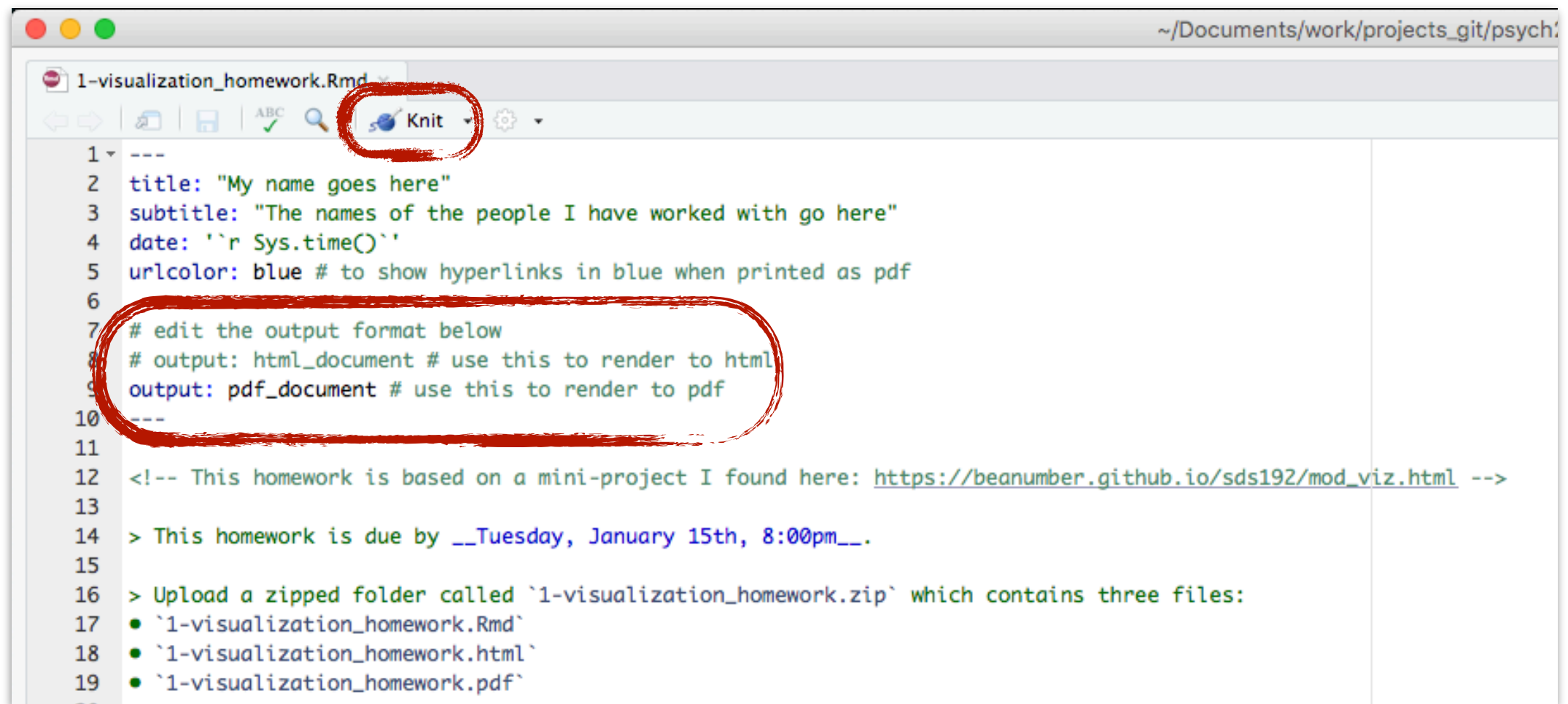
- test whether you can render the R Markdown file
  - open 1-visualization\_homework.Rmd



```
1 ---
2 title: "My name goes here"
3 subtitle: "The names of the people I have worked with go here"
4 date: `r Sys.time()`
5 urlcolor: blue # to show hyperlinks in blue when printed as pdf
6
7 # edit the output format below
8 output: html_document # use this to render to html
9 # output: pdf_document # use this to render to pdf
10 ---
11
12 <!-- This homework is based on a mini-project I found here: https://beanumber.github.io/sds192/mod\_viz.html -->
13
14 > This homework is due by __Tuesday, January 15th, 8:00pm___.
15
16 > Upload a zipped folder called `1-visualization_homework.zip` which contains three files:
17 • `1-visualization_homework.Rmd`
18 • `1-visualization_homework.html`
19 • `1-visualization_homework.pdf`
```

# Homework

- test whether you can render the R Markdown file
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20
```

**Feedback**



# How was the pace of today's class?

much  
too  
slow

a little  
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?**