



# **R in 3 Months: Week 3** **(Data Wrangling and Analysis)**



# Agenda

1. Housekeeping
2. Common Issues
3. Typos happen to everyone
4. Workflow Advice
5. Group Work
6. Next Week



# Housekeeping

- Group check-in



# Common Issues

1. Display results vs assign
2. `group_by()` + `summmarize()` message
3. RMarkdown output below code chunks or in the console
4. It's possible to add multiple arguments to mutate instead of using mutate multiple times
5. Processing columns that contain something like "60-80%"



# Typos happen to everyone

David Keyes 18h



I've never done it lol

This is super random, but I'm really struggling with an R thing.

If you have any idea why this code doesn't work, please let me know:

```
library(tidyverse)
library(tidycensus)
library(janitor)

get_acs(year = 2019,
        geography = "county",
        geometry = TRUE,
        state = "OR",
        variables = "B01003_001") %>%
  clean_names() %>%
  mutate(
    name = str_remove(name, " County")) %>%
  rename(poulation = estimate,
         county = name) %>%
  select(county, population)
```



# Naming things advice

Now we're starting to work with file paths the names of files will matter more and more.

The [best and most complete advice](#) for this comes from Jenny Bryan.

But here are some tips:

- Replace spaces with a dash (-)
- Split parts parts of file names with \_ (eg `week-2_Charlie-Hadley.Rmd`)
- Prefix numbers with 0 to aid ordering files



# Group Work

Each person share your code (either share your Gist link or by sharing your screen)

Presenter gives a short (~1 minute overview)

Others look for one thing that doesn't make sense

Presenter responds to questions



# Data Wrangling and Analysis Questions

What questions do you still have?





# Next Week

1. Course assignment: complete data viz lessons
2. Project assignment: make a graph from your data