

Meeting Notes: May 8, 2020

Updates:

- Ericka is not joining us this week but will be back next week.
- Emily will miss next week and maybe the week after.

CJ asking about Rstudio Server:

- No news is good news.

Work updates:

- Lisa sent an email to her climate change researcher friend who hasn't responded yet.
- Work meeting update:
 - Em, K, and J met for a work meeting. Stared at the screen (Which happens).
 - Interest in making a package?
 - At least might be internally helpful.
 - Increase the amount of documentation for the work we've been doing.
 - Jess:
 - Working w/avg precip in SE Oregon.
 - Wanted to look at trends in Max Precip.
 - Emily wonders if we could add ENZO (El Niño, La Niña) indices to the plots to get a sense of what phenomenon might be going on during the different year's of precip
 - Lisa suggests checking out the PRISM groups's website (prism.oregonstate.edu) for ENZO info.
 - Also examined "proportion of rainy days" per month for a given year.
 - Seems like there's some cyclical trends taking place.
 - Emily:
 - Working with writing code to make working with the different data sets less awful.
 - Also working on looking at "Which day of the year does the maximum amount of cumulative rain occur"
 - Kate:

- Worked on making a plot to investigate if precipitation patterns were changing throughout the years.

To Do:

- **Lisa** will re-ping her climate change friend for resources and information.
 - She will also answer her friend's husband's stats questions.
- **Jessica:**
 - Look for El Niño/La Niño info on the PRISM group's website. (Maybe start with <https://www.nwfsc.noaa.gov/research/divisions/fe/estuarine/oeip/cb-mei.cfm>)
 - Also continuing her work with proportion of rainy days per month.
 - Steal Kate's ideas (James should probably do this too).
- **Emily:**
 - Continue debugging the "cumulative rain" code.
 - Also going to look at writing tests for the package.
 - Steal code from others and "functionalize" the 'stuffing' out of them.
- **Kate:**
 - Look at "cumulative rainfall" when looking at avg precipitation
 - Also look at variation?
 - Reach out to Charlotte in case you want some help applying some 'purr' functions to your code. (To make things super slick).
- **Group:**
 - Write some functions to change calendars years to water years.