POD 3 Updates

Attendance: Allison, Amanda, Michelle, Audrey, Katie, Becky, Sidney, Anne, Grace

Allison – harmonizing data, create script to run quality checks in data, trying to access high performance computing resources, command line coding to run R script

Katie – basic visualizations, will have more time after this week

Sidney – trying to access data from someone else, worked on using tidyverse on previous project

Amanda – solved problem in tidyverse (mutate function), putting talk together for Google Colab

Audrey – working on an R markdown for previous SPSS code, watching ReproRehav videos and previous Tidyverse, something with dates lining up but it ended up working, making more meaningful figures this week 🡪 is your date in the same format where you can do character matching, otherwise filtering by a certain characteristic, lubridate in tidyverse *(datetime or dateutil in python)*

Becky – organizing and visualizing data last week, starting to do some analyses, is there a way to export the information, can we export in excel or table format (tableone: <https://cran.r-project.org/web/packages/tableone/vignettes/introduction.html>, should be in python too, can also use R package summarytools: <https://cran.r-project.org/web/packages/summarytools/vignettes/introduction.html>). Cheat sheet for running statistical analyses? Maybe asking ChatGPT. Lm() for regression lme4 for linear mixed effects

Grace – figuring out/making sense of fitbit data, interpolating missing minutes, making sense of dates and etc, need to revisit EHR multiple visits

Michelle – reanalyzing some logistic regression data, needed to standardize data before running, slowly chipping away at VSCode tutorial

Anne – still working on project, trying to solve multiple regression issue, not meeting linearity rules, working on manipulating variables, supervisor wants to have table with R correlations or p values, trying to pipe it into one nice table, maybe try summarytools package, summarize function in tidyverse?

People feel good about the progress and the projects that they’ll be working on for reprorehab, if youd like to discuss or work on your project with the TAs we are here to help

Google Colab

* Product from google research, created in google colab
* Very similar to Jupyter
* Can use a booster instead of running on CPU
* Python is very flexible and broad and modular
* *Cowplot and patchwork are helpful packages in R to combine plots*
* To use it in R, install packages using R code, you can also go back and forth
* Link to google Colab presentation: [*https://colab.research.google.com/drive/1j\_do1Vj61Vj0UsvspKT48MrEuxtYGoJc?usp=sharing*](https://colab.research.google.com/drive/1j_do1Vj61Vj0UsvspKT48MrEuxtYGoJc?usp=sharing)