Problem Set 2

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2023-01-21

```
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[INIT] < 1/21/2023 >
libraries
library(tidyverse)
## -- Attaching packages -----
                                      ----- tidyverse 1.3.2 --
## v ggplot2 3.4.0
                    v purrr
                            1.0.0
## v tibble 3.1.8
                    v dplyr 1.0.10
                v stringr 1.5.0
v forcats 0.5.2
## v tidyr 1.2.1
## v readr
         2.1.3
## -- Conflicts ----- tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()
                 masks stats::lag()
library(readxl)
library(labelled)
```

directory paths

```
setwd("/Users/gongpobleemingsawat/Desktop/MPP/First_Year/Winter_2023/EDUC_260B/PS2_Leemingsawat_Kongpob
data_dir <- file.path('.', 'data')
plot_dir <- file.path('.', 'output', 'plots')
file_dir <- file.path('.', 'output', 'files')</pre>
```

Part I: Command line & setting up git repo

Question 3:

• Command to change directories

pwd cd desktop ls cd my_folder

• Command to clone repo

git clone https://github.com/anyone-can-cook/PS2_Leemingsawat_Kongpob.git

Question 5:

• Command to list directory contents, including hidden files/directories

ls -a

Output

. . . .git .gitignore Problemset2.Rmd README.md

Question 6:

• Command to create new directories

mkdir -p data output/files scripts cd output mkdir plots

• Command to create R script

cd scripts touch ps2 script.R

*to set path: cd desktop/MPP/First_Year/Winter_2023/EDUC_260B/PS2_Leemingsawat_Kongpob

Part II - Working with data in R

Question 2:

Question 3:

Question 4:

##

```
# Filter

hd_ca <- hd %>% filter(hd$STABBR == "CA")

# Plot

png(file.path(plot_dir, 'ca_univs.png'))
ggplot(hd_ca, aes(x = LATITUDE, y = LONGITUD)) +
    geom_point() +
    theme_minimal() +
    coord_fixed(ratio = 1.5)
dev.off()

## pdf
```

Question 5:

```
write_csv(hd_ca, file = file.path(file_dir, "hd2019_ca.csv"))
```

Part III - Git & GitHub

Question 1:

Answer: git status

Output: 'Untracked files' . . # Question 2:

answer: git add

output: change to be committed . . # Question 3:

answer: git commit -m data output scripts

Question 4:

. . .

Question 5:

1. What heading is '.gitignore' listed under?

Changes not staged for commit

2. Command to show changes made to 'gitignore'

git diff - .gitignore

3. Output

diff -git a/.gitignore b/.gitignore

```
index fae8299..6154f65 100644 — a/.gitignore +++ b/.gitignore @@ -1,3 +1,7 @@ +#Problem set files +problemset2.md +/.DS_Store . . . # Question 6: git add .gitignore PS2_Leemingsawat_Kongpob . . . # Question 7:
```

1. command

git log # Question 8:
1. command
git remote -v
2. output
origin https://github.com/anyone-can-cook/PS2_Leemingsawat_Kongpob/ (fetch) origin https://github.com/anyone-can-cook/PS2_Leemingsawat_Kongpob/ (push) # Question 9:
git push
Part III - GitHub Issue
 Paste the url to your issue here: https://github.com/anyone-can-cook/rclass2_student_issues_w23/issues/96#issue-1558853048 Paste the url to the issue you responded to here: https://github.com/anyone-can-cook/rclass2_student_issues_w23/issues/84#issuecomment-1405736210
END SCRIPT