Lesson 3: Dive into Tidy: Data Wrangling and Manipulation Part I - Homework

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Contents

Questions:

First, load your libraries!

```r
library(tidyverse)
```

1 A read-in example. Use the error message to determine what the two columns should be correct the column types accordingly.

```r
challenge <- read_csv(readr_example("challenge.csv"))
```

```
## Warning: 1000 parsing failures.
##  row col           expected    actual
## 1001   y 1/0/T/F/TRUE/FALSE 2015-01-16 'C:/Users/Emii/Documents/R/win-library/4.0/readr/extdata/chall
## 1002   y 1/0/T/F/TRUE/FALSE 2018-05-18 'C:/Users/Emii/Documents/R/win-library/4.0/readr/extdata/chall
## 1003   y 1/0/T/F/TRUE/FALSE 2015-09-05 'C:/Users/Emii/Documents/R/win-library/4.0/readr/extdata/chall
## 1004   y 1/0/T/F/TRUE/FALSE 2012-11-28 'C:/Users/Emii/Documents/R/win-library/4.0/readr/extdata/chall
## 1005   y 1/0/T/F/TRUE/FALSE 2020-01-13 'C:/Users/Emii/Documents/R/win-library/4.0/readr/extdata/chall
## .... ... .................. .......... ..............................................................
## See problems(...) for more details.
```

```r
head(challenge)
```

x	y
404	NA
4172	NA
3004	NA
787	NA
37	NA
2332	NA

```r
tail(challenge)
```

x	y
0.8052743	NA
0.1635163	NA
0.4719390	NA
0.7183186	NA
0.2698786	NA
0.6082372	NA

HINT: use View(challenge) or tail(challenge) to see more of column y

2   2) write:

```
fish_names <- c("Nemo", "Bubbles", "Jack", "Captain", "Finley",
                "Goldie", "Dory", "Ariel", "Angel", "Minnie")

name_rank <- rep(1:5, times = 2)
```

2.1   a) write your corrected challenge object to a .csv and a .txt file in the correct subfolder

2.2   b) write challenge, fish_names, and name_rank to a .txt file

3   Find a data set you've worked with and pull it into R

Fix any problems with column designation, and clean up the column names (Hint: remember lecture 2)

Note: We can help you find a dataset if you don't have one on hand. We're excited to see what you're working on next class!