

# TBD

Zaid and Zoe

```
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 tidyr   1.2.1      v stringr 1.5.0
v readr   2.1.3      v forcats 0.5.2
-- Conflicts ----- tidyverse_conflicts() --
x dplyr::filter() masks stats::filter()
x dplyr::lag()     masks stats::lag()
```

```
library(tidymodels)
```

```
-- Attaching packages ----- tidymodels 1.0.0 --
v broom      1.0.2      v rsample    1.1.1
v dials      1.1.0      v tune       1.0.1
v infer      1.0.4      v workflows  1.1.2
v modeldata  1.0.1      v workflowsets 1.0.0
v parsnip    1.0.3      v yardstick  1.1.0
v recipes    1.0.3
-- Conflicts ----- tidymodels_conflicts() --
x scales::discard() masks purrr::discard()
x dplyr::filter()   masks stats::filter()
x recipes::fixed()  masks stringr::fixed()
x dplyr::lag()       masks stats::lag()
x yardstick::spec() masks readr::spec()
x recipes::step()    masks stats::step()
* Dig deeper into tidy modeling with R at https://www.tmw.org
```

```
library(stringr)
library(stringi)
pass <- read.csv("data/pass.csv")
```

also: <https://github.com/rfordatascience/tidytuesday/blob/master/data/2021/2021-03-02/readme.md>

<https://github.com/rfordatascience/tidytuesday/blob/master/data/2021/2021-03-02/youtube.csv>

```
uniqchars <- function(x) unique(strsplit(x, "")[[1]])

pass_more <- pass |>
  mutate(pass_length = nchar(password),
         num_digits = str_count(password, "[0-9]"),
         num_letters = str_count(password, "[a-z]"),
         num_vowels = str_count(password, "[a,e,i,o,u]"),
         num_unique = sapply(strsplit(password, ""), function(x) length(unique(x))))
```