01_make_data_.Rmd

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https://github.com/rfordatascience/tidytuesday/blob/main/data/2022/2022-06-14/readme.md

```r
library(tidyverse)
```

```
## -- Attaching core tidyverse packages ----------------------- tidyverse 2.0.0 --
## v dplyr     1.1.4     v readr     2.1.5
## v forcats   1.0.0     v stringr   1.5.0
## v ggplot2   3.5.1     v tibble    3.2.1
## v lubridate 1.9.2     v tidyr     1.3.0
## v purrr     1.0.1
## -- Conflicts ------------------------------------------- tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()    masks stats::lag()
## i Use the conflicted package (<http://conflicted.r-lib.org/>) to force all conflicts to become errors
```

```r
library(lubridate)
```

```r
drought <- read.csv("drought.csv")
head(drought)
```

```
##   map_date state_abb valid_start  valid_end stat_fmt drought_lvl area_pct
## 1 20210713        AK  2021-07-13 2021-07-19        2        None    74.35
## 2 20210713        AK  2021-07-13 2021-07-19        2          D0    25.65
## 3 20210713        AK  2021-07-13 2021-07-19        2          D1     0.00
## 4 20210713        AK  2021-07-13 2021-07-19        2          D2     0.00
## 5 20210713        AK  2021-07-13 2021-07-19        2          D3     0.00
## 6 20210713        AK  2021-07-13 2021-07-19        2          D4     0.00
##   area_total pop_pct pop_total
## 1   433133.2   33.91  240644.2
## 2   149435.1   66.09  468985.8
## 3        0.0    0.00       0.0
## 4        0.0    0.00       0.0
## 5        0.0    0.00       0.0
## 6        0.0    0.00       0.0
```

```r
tail(drought)
```

```
##         map_date state_abb valid_start  valid_end stat_fmt drought_lvl area_pct
## 325723 20010717        WY  2001-07-17 2001-07-23        2        None     5.68
```

```
## 325724 20010717        WY  2001-07-17 2001-07-23          2          D0    29.87
## 325725 20010717        WY  2001-07-17 2001-07-23          2          D1    16.20
## 325726 20010717        WY  2001-07-17 2001-07-23          2          D2    38.93
## 325727 20010717        WY  2001-07-17 2001-07-23          2          D3     9.32
## 325728 20010717        WY  2001-07-17 2001-07-23          2          D4     0.00
##        area_total pop_pct pop_total
## 325723    5551.00    7.48  42139.46
## 325724   29211.44   36.09 203431.38
## 325725   15844.81   16.59  93492.92
## 325726   38073.63   34.44 194093.07
## 325727    9117.74    5.41  30469.18
## 325728       0.00    0.00      0.00
```

Data set on U.S. Droughts from TidyTuesday Github data. Source: U.S. Drought Monitor which describes drought levels from 2001 to 2021 among each state.

Project: Analyzing drought conditions across the U.S. over ~20 years. State