

01_make_data_.Rmd

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

```
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
```

```
library(lubridate)
```

```
drought <- read.csv("~/Documents/GitHub/DATA481-Breast_Cancer/Abisai/RData/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
```

```
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