TidyTuesday Week 5: Plastic Pollution

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Challenge found at https://github.com/rfordatascience/tidytuesday/blob/master/data/2021/2021-01-26/readme.md

```r
# Load libraries
library(tidyverse)
```

```
## -- Attaching packages --------------------------------------- tidyverse 1.3.0 --
```

```
## v ggplot2 3.3.3     v purrr   0.3.4
## v tibble  3.0.4     v dplyr   1.0.2
## v tidyr   1.1.2     v stringr 1.4.0
## v readr   1.4.0     v forcats 0.5.0
```

```
## Warning: package 'ggplot2' was built under R version 4.0.3
```

```
## Warning: package 'tibble' was built under R version 4.0.3
```

```
## Warning: package 'readr' was built under R version 4.0.3
```

```
## -- Conflicts ------------------------------------------ tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()    masks stats::lag()
```

```r
# Load the data
plastics <- readr::read_csv('https://raw.githubusercontent.com/rfordatascience/tidytuesday/master/data/
```

```
##
## -- Column specification ------------------------------------------------------
## cols(
##   country = col_character(),
##   year = col_double(),
##   parent_company = col_character(),
##   empty = col_double(),
##   hdpe = col_double(),
##   ldpe = col_double(),
##   o = col_double(),
##   pet = col_double(),
```

```
##    pp = col_double(),
##    ps = col_double(),
##    pvc = col_double(),
##    grand_total = col_double(),
##    num_events = col_double(),
##    volunteers = col_double()
## )
```

```r
# View the data
glimpse(plastics)
```

```
## Rows: 13,380
## Columns: 14
## $ country        <chr> "Argentina", "Argentina", "Argentina", "Argentina", ...
## $ year           <dbl> 2019, 2019, 2019, 2019, 2019, 2019, 2019, 2019, 2019...
## $ parent_company <chr> "Grand Total", "Unbranded", "The Coca-Cola Company",...
## $ empty          <dbl> 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0...
## $ hdpe           <dbl> 215, 155, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, ...
## $ ldpe           <dbl> 55, 50, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,...
## $ o              <dbl> 607, 532, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 13, 0, 0,...
## $ pet            <dbl> 1376, 848, 222, 39, 38, 22, 21, 26, 19, 14, 14, 14, ...
## $ pp             <dbl> 281, 122, 35, 4, 0, 7, 6, 0, 1, 4, 3, 1, 0, 0, 3, 0,...
## $ ps             <dbl> 116, 114, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, ...
## $ pvc            <dbl> 18, 17, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,...
## $ grand_total    <dbl> 2668, 1838, 257, 43, 38, 29, 27, 26, 20, 18, 17, 15,...
## $ num_events     <dbl> 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4...
## $ volunteers     <dbl> 243, 243, 243, 243, 243, 243, 243, 243, 243, 243, 24...
```