Tidy-week10

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3/31/2021

```r
#install.packages("tidytuesdayR")
library("tidytuesdayR")
tuesdata <- tidytuesdayR::tt_load('2021-03-02')
```

```
## --- Compiling #TidyTuesday Information for 2021-03-02 ----

## --- There is 1 file available ---

## --- Starting Download ---

##
##  Downloading file 1 of 1: `youtube.csv`

## Only 10 Github queries remaining until 2021-04-06 10:02:25 AM UTC.

## --- Download complete ---
```

```r
tuesdata <- tidytuesdayR::tt_load(2021, week = 10)
```

```
## Only 9 Github queries remaining until 2021-04-06 10:02:25 AM UTC.

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## --- Compiling #TidyTuesday Information for 2021-03-02 ----

## Only 9 Github queries remaining until 2021-04-06 10:02:25 AM UTC.

## --- There is 1 file available ---

## Only 8 Github queries remaining until 2021-04-06 10:02:25 AM UTC.

## --- Starting Download ---

## Only 8 Github queries remaining until 2021-04-06 10:02:25 AM UTC.

##  Downloading file 1 of 1: `youtube.csv`

## Only 7 Github queries remaining until 2021-04-06 10:02:25 AM UTC.

## --- Download complete ---
```

```r
youtube <- tuesdata$youtube
```

```r
library(ggplot2)
library(dplyr)
```

```
##
## Attaching package: 'dplyr'

## The following objects are masked from 'package:stats':
##
##     filter, lag
```

```
## The following objects are masked from 'package:base':
##
##     intersect, setdiff, setequal, union
library(here)
```

```
## here() starts at /cloud/project
library(tidyverse)
```

```
## -- Attaching packages --------------------------------------- tidyverse 1.3.0 --
## v tibble  3.1.0      v purrr   0.3.4
## v tidyr   1.1.3      v stringr 1.4.0
## v readr   1.4.0      v forcats 0.5.1
```

```
## -- Conflicts ------------------------------------------ tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()    masks stats::lag()
#install.packages("ggtext")
library(ggtext)
#install.packages("patchwork")
library(patchwork)
#install.packages("extrafont")
library(extrafont)
```

```
## Registering fonts with R
library(lme4)
```

```
## Loading required package: Matrix
```

```
##
## Attaching package: 'Matrix'
```

```
## The following objects are masked from 'package:tidyr':
##
##     expand, pack, unpack
library(knitr)
library(scales)
```

```
##
## Attaching package: 'scales'
```

```
## The following object is masked from 'package:purrr':
##
##     discard
```

```
## The following object is masked from 'package:readr':
##
##     col_factor
youtube %>%
  arrange(view_count) %>%
  slice(1:(nrow(.)-1)) %>%
  ggplot(aes(x = brand, y = view_count))+
  geom_jitter(width = 0.25, size = 0.9) +
  scale_y_continuous(limits = c(0, 3e7), breaks = seq(0, 3e7, 1e7))+
  theme_minimal()+
```

```
labs(title = "Superbowl Commercials View Count of Different Brands",
    x = "Brand",
    y = "Number of Views in millions",
    caption = str_c("Created by: Xingnuo Zhang, U of T\n",
    "Data source: FiveThirtyEight"))
```

Warning: Removed 16 rows containing missing values (geom_point).

Superbowl Commercials View Count of Different Brands
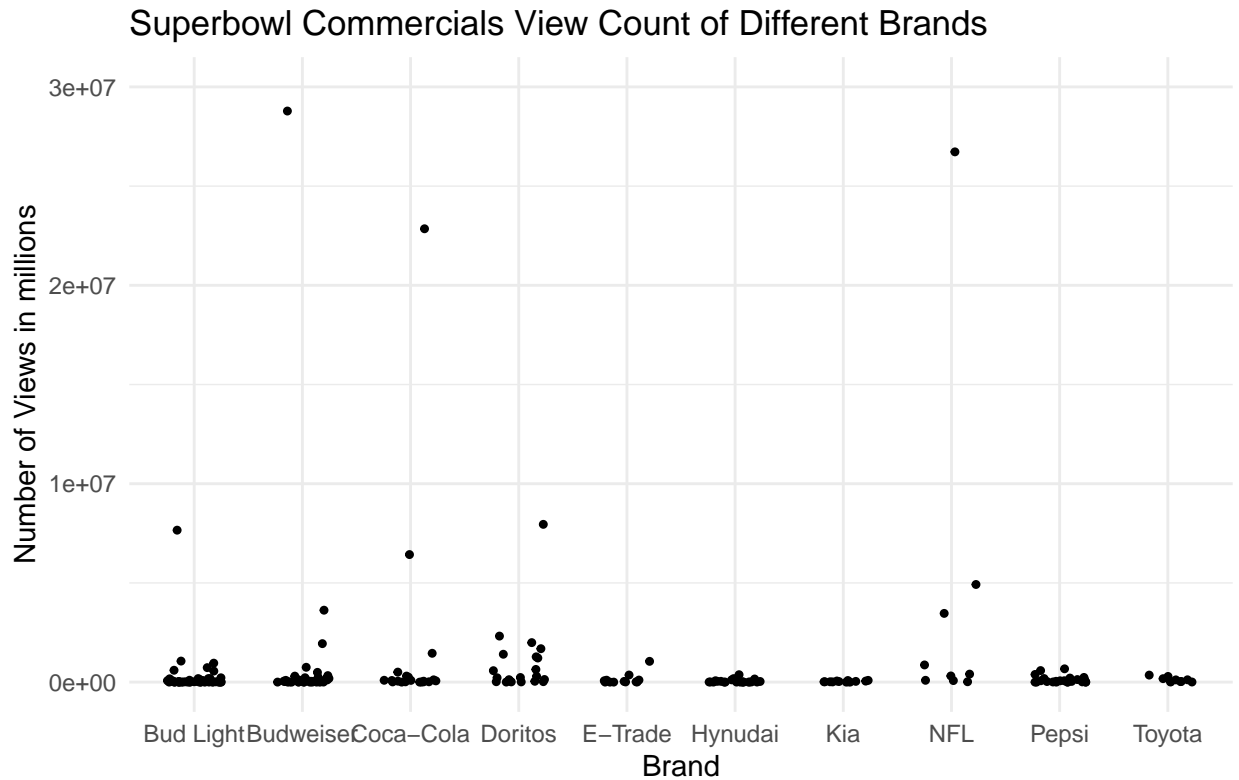
Created by: Xingnuo Zhang, U of T
Data source: FiveThirtyEight

```
data <- youtube %>%
  select(brand, like_count, dislike_count, year)
new_data <- data.frame("brand" = c("Coca-Cola","Doritos","Pepsi","Toyota",
                                    "Hynudai","Kia", "Bud Light"),
            "like_count" = c(1470, 10717, 146, 115, 342, 78, 485))
pie <- ggplot(data = new_data, aes(x = "", y = like_count, fill = brand))+
  geom_bar(width = 1, stat = "identity")+
  coord_polar("y", start = 0)

pie + scale_fill_brewer(palette="Blues", name = "Brand")+
  theme(axis.text.x=element_blank())+
  ggtitle("Superbowl Commercials' Like Count of Different brands in 2020")
```

Superbowl Commercials' Like Count of Different brands in 2020

x

like_count

Brand
- Bud Light
- Coca–Cola
- Doritos
- Hynudai
- Kia
- Pepsi
- Toyota