Data 607 Assignment 9

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2023-03-24

Introduction

I chose to use The New York Times "Most Popular API," with a focus on the last 30 days (from [insert date]). I have limited experience working with API's up until this point, so this will serve as a great opportunity to get my feet wet. I will also try to document quagmire's that come up during this assignment.

Downloading the necessary packages

```
library(httr)
library(jsonlite)
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
```

Note: For whatever reason, when I loaded jsonlite and tried to run the code without "jsonlite::" in front of "fromJSON," the code did not work. I would love to understand why this was the case.

```
url <- 'https://api.nytimes.com/svc/mostpopular/v2/viewed/30.json?api-key=jBvT5e5Dn4qZTbHgmdS9volt2ddGQ

json <- jsonlite::fromJSON(url)
```

```
most_pop <- json$results
```

Printing the head of the data

```r
head(most_pop)
```

```
##                                                uri
## 1 nyt://article/0a905873-70c3-50a8-94cd-ffe76ffd7181
## 2 nyt://article/6119b080-c873-529a-853d-5f1e52729030
## 3 nyt://article/b5a80351-bab7-51d9-8a75-0839caa96540
## 4 nyt://article/2a080dbf-a7b6-5cbf-a6fa-bfdb14530d5c
## 5 nyt://article/52814a70-cf64-5e45-96b8-19eca372b8b0
## 6 nyt://article/7c9a1c63-67a3-57f7-b29d-e033bfa4f862
##                                                                                      url
## 1           https://www.nytimes.com/2023/03/18/us/politics/trump-indictment-arrest-protests.html
## 2                     https://www.nytimes.com/2023/03/10/business/silicon-valley-bank-stock.html
## 3      https://www.nytimes.com/2023/03/20/sports/olympics/jennifer-fox-sexual-abuse-the-tale.html
## 4                  https://www.nytimes.com/2023/03/17/arts/television/lance-reddick-dead.html
## 5                        https://www.nytimes.com/2023/03/12/movies/oscars-winners-list.html
## 6 https://www.nytimes.com/2023/03/18/us/politics/jimmy-carter-october-surprise-iran-hostages.html
##      id asset_id         source published_date             updated  section
## 1 1e+14    1e+14 New York Times     2023-03-18 2023-03-19 13:47:23     U.S.
## 2 1e+14    1e+14 New York Times     2023-03-10 2023-03-14 14:57:20 Business
## 3 1e+14    1e+14 New York Times     2023-03-20 2023-03-21 17:41:42   Sports
## 4 1e+14    1e+14 New York Times     2023-03-17 2023-03-20 11:12:38     Arts
## 5 1e+14    1e+14 New York Times     2023-03-12 2023-03-13 01:10:43   Movies
## 6 1e+14    1e+14 New York Times     2023-03-18 2023-03-19 09:58:59     U.S.
##    subsection nytdsection
## 1   Politics        u.s.
## 2              business
## 3   Olympics      sports
## 4 Television        arts
## 5                movies
## 6   Politics        u.s.
##
## 1                              Presidential Election of 2016;Campaign Finance;Demons
## 2                                  Shutdowns (Institutional);Banking and Financial In
## 3                                                                          Child Abuse
## 4
## 5
## 6 Presidential Election of 1980;United States Politics and Government;Kidnapping and Hostages;United
##    column
## 1      NA
## 2      NA
## 3      NA
## 4      NA
## 5      NA
## 6      NA
##                                                                        byline
## 1 By Maggie Haberman, Jonah E. Bromwich, Ben Protess, Alan Feuer and William K. Rashbaum
## 2                                                     By Emily Flitter and Rob Copeland
## 3                                                                      By Juliet Macur
## 4                                             By Michael Levenson and Neil Genzlinger
## 5                                                                         By Gabe Cohn
## 6                                                                        By Peter Baker
##      type
## 1 Article
```

```
##   2 Article
##   3 Article
##   4 Article
##   5 Article
##   6 Article
##                                                                          title
## 1      Trump Claims His Arrest Is Imminent and Calls for Protests, Echoing Jan. 6
## 2                                       Silicon Valley Bank Fails After Run on Deposits
## 3           For Years She Said a Coach Abused Her. Now She Has Named a Legend.
## 4              Lance Reddick, Star of 'The Wire' and 'John Wick,' Dies at 60
## 5                                        Oscars 2023 Winners: The Complete List
## 6     A Four-Decade Secret: One Man's Story of Sabotaging Carter's Re-election
## 
## 1                                                                            His indictment
## 2           The Federal Deposit Insurance Corporation took control of the bank's assets on Friday. The
## 3 Jennifer Fox has long discussed what happened when she was 13 and her coach was 40. She even based
## 4        A prolific actor, he also starred in the Amazon series "Bosch" and had recently branched out
## 5
## 6                                                        A prominent Texas politician said he unwittingly took
## 
## 1                      Presidential Election of 2016, Campaign Finance, Demonstrations, Protests
## 2  Shutdowns (Institutional), Banking and Financial Institutions, Stocks and Bonds, Interest Rates, St
## 3               Child Abuse and Neglect, Sex Crimes, Movies, Rowing, Content Type: Personal
## 4                                                                          Deaths (Obitu
## 5
## 6          Presidential Election of 1980, United States Politics and Government, Kidnapping an
##                                                     org_facet
## 1
## 2 Silicon Valley Bank, Federal Deposit Insurance Corp, Federal Reserve System
## 3                                         US Center for SafeSport
## 4
## 5
## 6                               Democratic Party, Republican Party
##                                                                           per_fac
## 1          Bragg, Alvin, Trump, Donald J, Clifford, Stephanie (1979- ), Cohen, Michael D (1966-
## 2
## 3                                          Dern, Laura, Fox, Jennifer, Nash, 
## 4                                                    Reddick, La
## 5
## 6 Barnes, Ben, Connally, John B Jr., Casey, William J, Reagan, Ronald Wilson, Carter, Jimmy, Sick, Ga
##        geo_facet
## 1 Manhattan (NYC)
## 2
## 3
## 4
## 5
## 6           Iran
## 
## 1
## 2                                                                 image, photo, S
## 3
## 4
## 5              image, photo, Ke Huy Quan accepting the Oscar for best supporting actor for his
## 6 image, photo, "History needs to know that this happened," Ben Barnes now says of his trip to the Mi
```

```
##   eta_id
## 1      0
## 2      0
## 3      0
## 4      0
## 5      0
## 6      0
```

Note: What would have been cool is if the data included a view count, but it does not seem like that is the case.

```
most_pop_sections <- most_pop %>%
  select('section') %>%
  group_by(section) %>%
  summarize(percent = 100 * n()/nrow(.)) %>%
  arrange(desc(percent))

knitr::kable(most_pop_sections)
```

section	percent
U.S.	35
Business	10
Movies	10
New York	10
World	10
Arts	5
Opinion	5
Science	5
Sports	5
Well	5

Conclusion

Within the twenty most popular articles in the past 30 days, it seems that by far and away the most popular article section is the "U.S." section. Now this analysis only pertains to the last 30 days and so this popularity may change, but I would guess that with increasingly polarized politics, this section viewership may not change all that much.