

# Week 9 Assignment

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## Libraries

Loading in my libraries

```
library(httr2)
library(tidyverse)
```

```
## -- Attaching core tidyverse packages ----- tidyverse 2.0.0 --
## v dplyr      1.1.2      v readr      2.1.4
## v forcats    1.0.0      v stringr   1.5.0
## v ggplot2    3.4.2      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(jsonlite)
```

```
##
## Attaching package: 'jsonlite'
##
## The following object is masked from 'package:purrr':
##
##     flatten
```

## Requesting URL

Requesting the url using the API key to use the API for the world top stories

```
url <- "https://api.nytimes.com/svc/topstories/v2/world.json?api-key=89hiISQwL7JuDOLqsrrno7ASzC8X3fxv"
req <- request(url)
req
```

```
## <httr2_request>
```

```
## GET
## https://api.nytimes.com/svc/topstories/v2/world.json?api-key=89hiISQwL7JuDOLqsrrno7ASzC8X3fxv
```

```
## Body: empty
```

Checking the status to make sure there is a connection

```
resp <- req_perform(req)
resp
```

```
## <httr2_response>
```

```
## GET
```

```
## https://api.nytimes.com/svc/topstories/v2/world.json?api-key=89hiISQwL7JuDOLqsrrno7ASzC8X3fxv
```

```
## Status: 200 OK
```

```
## Content-Type: application/json
```

```
## Body: In memory (73514 bytes)
```

```
resp %>% resp_content_type()
```

```
## [1] "application/json"
```

Creating the data as a dataframe

```
dat <- fromJSON(url) %>%
  as.data.frame()
dat
```

```
##      status
## 1      OK Copyright (c) 2023 The New York Times Company. All Rights Reserved.
## 2      OK Copyright (c) 2023 The New York Times Company. All Rights Reserved.
## 3      OK Copyright (c) 2023 The New York Times Company. All Rights Reserved.
## 4      OK Copyright (c) 2023 The New York Times Company. All Rights Reserved.
## 5      OK Copyright (c) 2023 The New York Times Company. All Rights Reserved.
## 6      OK Copyright (c) 2023 The New York Times Company. All Rights Reserved.
## 7      OK Copyright (c) 2023 The New York Times Company. All Rights Reserved.
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## 15     OK Copyright (c) 2023 The New York Times Company. All Rights Reserved.
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## 17     OK Copyright (c) 2023 The New York Times Company. All Rights Reserved.
## 18     OK Copyright (c) 2023 The New York Times Company. All Rights Reserved.
## 19     OK Copyright (c) 2023 The New York Times Company. All Rights Reserved.
## 20     OK Copyright (c) 2023 The New York Times Company. All Rights Reserved.
## 21     OK Copyright (c) 2023 The New York Times Company. All Rights Reserved.
## 22     OK Copyright (c) 2023 The New York Times Company. All Rights Reserved.
```

```

## 23      OK Copyright (c) 2023 The New York Times Company. All Rights Reserved.
## 24      OK Copyright (c) 2023 The New York Times Company. All Rights Reserved.
## 25      OK Copyright (c) 2023 The New York Times Company. All Rights Reserved.
## 26      OK Copyright (c) 2023 The New York Times Company. All Rights Reserved.
## 27      OK Copyright (c) 2023 The New York Times Company. All Rights Reserved.
## 28      OK Copyright (c) 2023 The New York Times Company. All Rights Reserved.
## 29      OK Copyright (c) 2023 The New York Times Company. All Rights Reserved.
## 30      OK Copyright (c) 2023 The New York Times Company. All Rights Reserved.
## 31      OK Copyright (c) 2023 The New York Times Company. All Rights Reserved.
## 32      OK Copyright (c) 2023 The New York Times Company. All Rights Reserved.
## 33      OK Copyright (c) 2023 The New York Times Company. All Rights Reserved.
## 34      OK Copyright (c) 2023 The New York Times Company. All Rights Reserved.
## 35      OK Copyright (c) 2023 The New York Times Company. All Rights Reserved.
##          section                last_updated num_results results.section
## 1 World News 2023-10-29T12:10:00-04:00      35
## 2 World News 2023-10-29T12:10:00-04:00      35      world
## 3 World News 2023-10-29T12:10:00-04:00      35      world
## 4 World News 2023-10-29T12:10:00-04:00      35      world
## 5 World News 2023-10-29T12:10:00-04:00      35      world
## 6 World News 2023-10-29T12:10:00-04:00      35      world
## 7 World News 2023-10-29T12:10:00-04:00      35      world
## 8 World News 2023-10-29T12:10:00-04:00      35      world
## 9 World News 2023-10-29T12:10:00-04:00      35      world
## 10 World News 2023-10-29T12:10:00-04:00      35      world
## 11 World News 2023-10-29T12:10:00-04:00      35      world
## 12 World News 2023-10-29T12:10:00-04:00      35      world
## 13 World News 2023-10-29T12:10:00-04:00      35      world
## 14 World News 2023-10-29T12:10:00-04:00      35      world
## 15 World News 2023-10-29T12:10:00-04:00      35      world
## 16 World News 2023-10-29T12:10:00-04:00      35      world
## 17 World News 2023-10-29T12:10:00-04:00      35      world
## 18 World News 2023-10-29T12:10:00-04:00      35      briefing
## 19 World News 2023-10-29T12:10:00-04:00      35      world
## 20 World News 2023-10-29T12:10:00-04:00      35      world
## 21 World News 2023-10-29T12:10:00-04:00      35      sports
## 22 World News 2023-10-29T12:10:00-04:00      35      world
## 23 World News 2023-10-29T12:10:00-04:00      35      world
## 24 World News 2023-10-29T12:10:00-04:00      35      nyregion
## 25 World News 2023-10-29T12:10:00-04:00      35      world
## 26 World News 2023-10-29T12:10:00-04:00      35      world
## 27 World News 2023-10-29T12:10:00-04:00      35      world
## 28 World News 2023-10-29T12:10:00-04:00      35      world
## 29 World News 2023-10-29T12:10:00-04:00      35      world
## 30 World News 2023-10-29T12:10:00-04:00      35      world
## 31 World News 2023-10-29T12:10:00-04:00      35      us
## 32 World News 2023-10-29T12:10:00-04:00      35      us
## 33 World News 2023-10-29T12:10:00-04:00      35      world
## 34 World News 2023-10-29T12:10:00-04:00      35      world
## 35 World News 2023-10-29T12:10:00-04:00      35      briefing
##          results.subsection
## 1
## 2          europe
## 3          europe
## 4          europe

```

```

## 5         africa
## 6         canada
## 7         europe
## 8         europe
## 9         europe
## 10        asia
## 11        middleeast
## 12        middleeast
## 13         africa
## 14         americas
## 15        middleeast
## 16        middleeast
## 17        middleeast
## 18
## 19        middleeast
## 20        middleeast
## 21         soccer
## 22        middleeast
## 23         europe
## 24
## 25        middleeast
## 26         africa
## 27        middleeast
## 28        middleeast
## 29        middleeast
## 30         europe
## 31         politics
## 32         politics
## 33         asia
## 34         canada
## 35
##
##                                     results.title
## 1
## 2         They Refused to Serve. Now They're Supporting Israel's War Effort.
## 3         Friends From Childhood. Brothers in War.
## 4         The Rigid World of French Cheesemaking Meets Unbound Climate Change
## 5         In Kenya, King Charles Will 'Walk a Tightrope' on Britain's Past
## 6         Nazis in Canada? A Secret List With Answers May Soon Be Released.
## 7         As Fighting Rages, Ukraine Takes Its Battle to the Diplomatic Arena
## 8         A Less Polarized Poland? Not Yet, Election Results Suggest.
## 9         Vatican Deems Bigger Church Role for Women 'Urgent,' but Postpones Major Issues
## 10        One Year After Tragedy, a Subdued Halloween in Itaewon
## 11        Israel-Hamas War Enters 'Second Stage,' Netanyahu Says
## 12        Israel's Hidden Victims, Arab Bedouins, Were Attacked by Hamas Too
## 13        The World Is Becoming More African
## 14        Pleas for Aid and a Scramble for Supplies in Acapulco After Hurricane Otis
## 15        Cornell Jewish Center Under Guard After Online Threats to Jewish Students
## 16        Mob storms plane arriving in Russia from Tel Aviv, authorities say.
## 17        How Years of Israeli Failures on Hamas Led to a Devastating Attack
## 18        Monday Briefing: Israel Extends Gaza Ground Campaign
## 19        Netanyahu Finds Himself at War in Gaza and at Home
## 20        34 Hours of Fear: The Blackout That Cut Gaza Off From the World
## 21        Colombia Mobilizes Troops to Search for Kidnapped Father of Liverpool Player
## 22        Netanyahu Apologizes After Blaming Security Chiefs for Failure in Hamas Attack

```

## 23 A New Place to Learn Civics: The Workplace  
 ## 24 Protesters fill the streets in New York to support Palestinians in Gaza.  
 ## 25 Israeli Approach to Ground War in Gaza Aligns with U.S. Advice, Officials Say  
 ## 26 At Least 32 Killed in Vehicle Pileup in Egypt  
 ## 27 Israel Says Al Shifa Hospital Conceals Hamas Underground Command Centers  
 ## 28 'You Think of Dying at Any Time'  
 ## 29 Iranian Teenager Dies Weeks After Mysterious Collapse  
 ## 30 Kremlin's Onetime Pick to Be Ukraine's Puppet Leader Is Shot in Crimea  
 ## 31 Biden's Israel Ties Rooted in Long Career: 'From His Gut to His Heart to His Head'  
 ## 32 Gaza's Tunnels Loom Large for Israel's Ground Forces  
 ## 33 As China Looks to Broker Gaza Peace, Antisemitism Surges Online  
 ## 34 Lured by Federal Dollars, Canadian Cities Rethink Zoning  
 ## 35 Ghostly Presence  
 ##  
 ## 1  
 ## 2 The Brothers in Arms group helped lead protests against the government, with members vowin  
 ## 3 Three friends met as boys in western UK  
 ## 4 Reams of rul  
 ## 5 More candid than his mother  
 ## 6 A r  
 ## 7 A forum in Malta was intend  
 ## 8 On whatever side they stand, many voters say they yearn for a more united nation. By  
 ## 9 Progressives who once hoped that the synod would create momen  
 ## 10 The authorities in  
 ## 11 Prime Minister Benjamin Netanyahu of Israel did not describ  
 ## 12 At least 17 died in the Hamas attacks, and m  
 ## 13 Africa has the fastest growing, youngest population of any continent. By 2050, one in four people  
 ## 14 Days after the storm, the death toll rose to 39 and residents were navigating broken glass  
 ## 15 "We will not tolerate antisem  
 ## 16 The Russian authorities announced that the airport in Makhachkala, the capital of  
 ## 17 Israeli officials completely underestim  
 ## 18  
 ## 19 Israel's prime minister, Benjamin Netanyahu, apologized for accusing military  
 ## 20 As Israeli forces entered Gaza on Friday to fight Hamas, phone and internet servi  
 ## 21 The parents of Luis Díaz, a Colombian star of the Engl  
 ## 22 Prime Minister Benjamin Netanyahu, who has not taken responsibility for Israel's lap  
 ## 23 Fearing tha  
 ## 24  
 ## 25 The initial decision to undertake limited gro  
 ## 26 Several cars caught fire after a passenger bus and sever  
 ## 27  
 ## 28 Gaza residents say Israeli airstrikes come m  
 ## 29 The death of Armita Geravand comes after word of her injuries fueled outrage because  
 ## 30 Oleg Tsaryov, a pro-Russian businessman and former lawmaker, was said to have been wounde  
 ## 31 The president's "unwavering support" for Israel stems from childhood dinner table conv  
 ## 32 Hamas  
 ## 33 China's state-run media has blamed  
 ## 34 Major Canadian  
 ## 35 In a time w  
 ## results.url  
 ## 1  
 ## 2 <https://www.nytimes.com/2023/10/29/world/europe/israel-reservists-hamas-war.html>  
 ## 3 <https://www.nytimes.com/2023/10/29/world/europe/ukraine-war-friends.html>  
 ## 4 <https://www.nytimes.com/2023/10/29/world/europe/french-cheese-climate-change.html>

```

## 5      https://www.nytimes.com/2023/10/29/world/africa/king-charles-kenya-colonialism.html
## 6      https://www.nytimes.com/2023/10/29/world/canada/canada-nazi-war-criminals-list.html
## 7      https://www.nytimes.com/2023/10/29/world/europe/ukraine-war-russia-peace-forum-malta.html
## 8      https://www.nytimes.com/2023/10/29/world/europe/poland-elections.html
## 9      https://www.nytimes.com/2023/10/28/world/europe/pope-vatican-synod-women-lgbtq.html
## 10     https://www.nytimes.com/2023/10/29/world/asia/halloween-itaewon-seoul-korea.html
## 11     https://www.nytimes.com/2023/10/28/world/middleeast/israel-gaza-military-incursion.html
## 12     https://www.nytimes.com/2023/10/29/world/middleeast/israel-hamas-arab-bedouins.html
## 13     https://www.nytimes.com/interactive/2023/10/28/world/africa/africa-youth-population.html
## 14     https://www.nytimes.com/2023/10/28/world/americas/acapulco-mexico-hurricane-otis.html
## 15     https://www.nytimes.com/2023/10/29/world/middleeast/cornell-jewish-threats.html
## 16     https://www.nytimes.com/2023/10/29/world/middleeast/dagestan-airport-russia-israel-mob.html
## 17     https://www.nytimes.com/2023/10/29/world/middleeast/israel-intelligence-hamas-attack.html
## 18     https://www.nytimes.com/2023/10/29/briefing/israel-hamas-war-ukraine-us-seoul-halloween.html
## 19     https://www.nytimes.com/2023/10/29/world/middleeast/netanyahu-israel-gaza-politics.html
## 20     https://www.nytimes.com/2023/10/29/world/middleeast/gaza-blackout-internet-israel.html
## 21     https://www.nytimes.com/2023/10/29/sports/soccer/luis-diaz-parents-kidnapped-colombia.html
## 22     https://www.nytimes.com/2023/10/29/world/middleeast/netanyahu-apologizes-hamas-attack.html
## 23     https://www.nytimes.com/2023/10/29/world/europe/businesses-civics-education.html
## 24     https://www.nytimes.com/2023/10/28/nyregion/palestine-protest-brooklyn-barclays-center-nyc.html
## 25     https://www.nytimes.com/2023/10/28/world/middleeast/israel-gaza-ground-invasion.html
## 26     https://www.nytimes.com/2023/10/28/world/africa/egypt-deadly-bus-vehicle-collision.html
## 27     https://www.nytimes.com/2023/10/28/world/middleeast/gaza-al-shifa-hospital-israel.html
## 28     https://www.nytimes.com/2023/10/28/world/middleeast/gaza-israel-airstrikes-palestinians.html
## 29     https://www.nytimes.com/2023/10/28/world/middleeast/armita-geravand-iran-teenager-dead.html
## 30     https://www.nytimes.com/2023/10/28/world/europe/oleg-tsaryov-ukraine-russia.html
## 31     https://www.nytimes.com/2023/10/28/us/politics/biden-israel-netanyahu-gaza.html
## 32     https://www.nytimes.com/2023/10/28/us/politics/gazas-tunnels-israel-ground-war.html
## 33     https://www.nytimes.com/2023/10/28/world/asia/china-israel-hamas-antisemitism.html
## 34     https://www.nytimes.com/2023/10/28/world/canada/affordable-housing-zoning-fourplex.html
## 35     https://www.nytimes.com/2023/10/28/briefing/halloweens-ghostly-presence.html
##
##      results.uri
## 1      nyt://promo/71cf3db8-35fb-5a4e-989f-ef5537c37372
## 2      nyt://article/778f5445-d9fd-58b0-a8d2-dee89ac82d6b
## 3      nyt://article/efca0455-c2ea-53e0-a147-3d032be5ee22
## 4      nyt://article/6781ae49-ca41-5e27-ae78-4444f8f7f42c
## 5      nyt://article/7925f29f-a92c-5e7d-98a3-bd66098eacd7
## 6      nyt://article/1599b4b3-939a-53c4-820a-1cf5cc47f3d7
## 7      nyt://article/55c791ad-b29c-5156-a42b-7fb82be956b1
## 8      nyt://article/1b5413f8-9f0c-5013-aec6-2986dea7c397
## 9      nyt://article/d83342be-6ccc-5fb3-bd6f-7d7ba7970843
## 10     nyt://article/3b602a8f-6707-50d2-acca-0c60f9ffceca
## 11     nyt://article/716f8306-f200-5b8a-b574-31453fcc034c
## 12     nyt://article/01377159-963e-5caa-a645-be3cfbd02b24
## 13     nyt://interactive/6dc96c38-af87-5b46-8dec-c2d6fe0da727
## 14     nyt://article/c350c6c5-62c0-5413-883f-0625f90072f5
## 15     nyt://article/104697c5-9f04-5998-8680-68b3394556ab
## 16     nyt://article/7c057989-f042-5137-b420-a48e964e1737
## 17     nyt://article/4ff5124c-1c5d-51c2-8de1-fb78e97f2b17
## 18     nyt://article/0eae0bd6-a57f-5b25-8da8-1e28b6bc145f
## 19     nyt://article/ced16796-93cf-5f5c-b993-b458edc09547
## 20     nyt://article/b2c412f2-88ba-564c-99cc-ae729c62a9ad
## 21     nyt://article/b74179ff-47ad-544d-ab22-7e3f94c2f555
## 22     nyt://article/f9ab49e8-52d1-565b-b132-9aa3d6452063

```

```

## 23     nyt://article/3a7289a1-b7d1-5dd6-9b0d-cc88395d25af
## 24     nyt://article/efa18176-0ec6-5706-94c9-ee9d9e3ee73c
## 25     nyt://article/b82139cd-8ffd-5411-a1d0-ffc4deb8f4a9
## 26     nyt://article/b5c2f30a-c89f-5d40-b0f8-68891722763d
## 27     nyt://article/5a72ec9b-cfc2-5b4a-95b2-0150eba3d54c
## 28     nyt://article/1b94ec4f-01f9-517f-aeb3-a19c989340cd
## 29     nyt://article/8596e166-526f-5bd6-b2ac-75ef8c6eabaf
## 30     nyt://article/cc5349f8-88da-5804-99f2-b1226c18bc8f
## 31     nyt://article/cbd8624c-30a0-5dba-a0d7-b4d927be681b
## 32     nyt://article/88bfebe3-40c8-58c2-93f9-dec441ab81ec
## 33     nyt://article/82dc93f4-7f5e-5e58-a13e-c2811576719b
## 34     nyt://article/5196dd3e-0545-549c-af22-eee884591c8f
## 35     nyt://article/5865521a-6ccb-5806-af25-36b9e16cb93d
##
##                                     results.byline
## 1
## 2                                     By Steven Erlanger and Natan Odenheimer
## 3                                     By Megan Specia
## 4                                     By Catherine Porter
## 5                                     By Mark Landler
## 6                                     By Ian Austen
## 7                                     By Andrew E. Kramer and Matthew Mpoke Bigg
## 8                                     By Andrew Higgins
## 9                                     By Jason Horowitz and Elisabetta Povoledo
## 10                                    By Chang W. Lee and Inyoung Kang
## 11                                    By Patrick Kingsley, Ronen Bergman and Thomas Fuller
## 12                                    By Adam Goldman and Gal Koplewitz
## 13                                    By Declan Walsh and Hannah Reyes Morales
## 14                                    By Emiliano Rodríguez Mega, Zolan Kanno-Youngs and Elda Cantú
## 15                                    By Christopher Maag
## 16 By Ivan Nechepurenko, Marc Santora, Isabel Kershner and Riley Mellen
## 17                                    By Ronen Bergman, Mark Mazzetti and Maria Abi-Habib
## 18                                    By Justin Porter
## 19                                    By Isabel Kershner
## 20 By Abu Bakr Bashir, Iyad Abuheweila, Vivian Nereim and Yousur Al-Hlou
## 21                                    By James Wagner
## 22                                    By Isabel Kershner
## 23                                    By Melissa Eddy
## 24                                    By Erin Nolan, Eliza Fawcett and Nate Schweber
## 25                                    By Eric Schmitt
## 26                                    By Reuters
## 27                                    By Vivian Yee
## 28                                    By Raja Abdulrahim
## 29                                    By Christopher F. Schuetze
## 30                                    By Marc Santora
## 31                                    By Peter Baker
## 32                                    By Adam Goldman, Helene Cooper and Justin Scheck
## 33                                    By Daisuke Wakabayashi, Tiffany May and Claire Fu
## 34                                    By Vjosa Isai
## 35                                    By Melissa Kirsch
##  results.item_type      results.updated_date      results.created_date
## 1          Promo 2023-10-29T23:24:01-04:00 2023-10-29T06:13:31-04:00
## 2          Article 2023-10-29T13:34:20-04:00 2023-10-29T10:50:41-04:00
## 3          Article 2023-10-29T22:58:04-04:00 2023-10-29T05:00:48-04:00
## 4          Article 2023-10-29T14:12:12-04:00 2023-10-29T05:01:28-04:00

```

```

## 5      Article 2023-10-29T06:11:03-04:00 2023-10-29T06:11:03-04:00
## 6      Article 2023-10-29T21:55:08-04:00 2023-10-29T12:08:27-04:00
## 7      Article 2023-10-29T11:10:12-04:00 2023-10-29T11:08:32-04:00
## 8      Article 2023-10-29T00:01:19-04:00 2023-10-29T00:01:19-04:00
## 9      Article 2023-10-28T23:52:33-04:00 2023-10-28T19:23:11-04:00
## 10     Article 2023-10-29T22:28:56-04:00 2023-10-29T03:41:18-04:00
## 11     Article 2023-10-29T10:51:48-04:00 2023-10-28T18:57:30-04:00
## 12     Article 2023-10-29T09:54:29-04:00 2023-10-29T00:01:18-04:00
## 13     Interactive 2023-10-28T16:58:23-04:00 2023-10-28T05:02:27-04:00
## 14     Article 2023-10-29T11:40:19-04:00 2023-10-28T10:03:36-04:00
## 15     Article 2023-10-29T23:23:59-04:00 2023-10-29T22:53:10-04:00
## 16     Article 2023-10-29T21:13:18-04:00 2023-10-29T19:06:05-04:00
## 17     Article 2023-10-29T22:48:33-04:00 2023-10-29T17:54:53-04:00
## 18     Article 2023-10-29T16:34:03-04:00 2023-10-29T16:34:03-04:00
## 19     Article 2023-10-29T16:52:50-04:00 2023-10-29T16:04:29-04:00
## 20     Article 2023-10-29T22:47:08-04:00 2023-10-29T15:45:29-04:00
## 21     Article 2023-10-29T15:17:47-04:00 2023-10-29T15:17:47-04:00
## 22     Article 2023-10-29T10:34:38-04:00 2023-10-29T09:48:09-04:00
## 23     Article 2023-10-29T10:12:59-04:00 2023-10-29T05:00:35-04:00
## 24     Article 2023-10-29T12:21:26-04:00 2023-10-28T21:55:09-04:00
## 25     Article 2023-10-29T03:48:15-04:00 2023-10-28T17:38:20-04:00
## 26     Article 2023-10-28T16:02:51-04:00 2023-10-28T16:02:51-04:00
## 27     Article 2023-10-28T23:49:57-04:00 2023-10-28T14:02:13-04:00
## 28     Article 2023-10-29T10:52:58-04:00 2023-10-28T13:01:53-04:00
## 29     Article 2023-10-28T23:52:35-04:00 2023-10-28T11:01:03-04:00
## 30     Article 2023-10-29T09:34:40-04:00 2023-10-28T10:08:33-04:00
## 31     Article 2023-10-28T23:51:38-04:00 2023-10-28T09:21:07-04:00
## 32     Article 2023-10-29T11:42:06-04:00 2023-10-28T07:21:42-04:00
## 33     Article 2023-10-29T22:12:52-04:00 2023-10-28T06:02:38-04:00
## 34     Article 2023-10-28T06:00:02-04:00 2023-10-28T06:00:02-04:00
## 35     Article 2023-10-28T05:47:41-04:00 2023-10-28T05:47:41-04:00
##      results.published_date results.material_type_facet results.kicker
## 1 2023-10-29T06:13:31-04:00
## 2 2023-10-29T10:50:41-04:00
## 3 2023-10-29T05:00:48-04:00
## 4 2023-10-29T05:01:28-04:00
## 5 2023-10-29T06:11:03-04:00
## 6 2023-10-29T12:08:27-04:00
## 7 2023-10-29T11:08:32-04:00
## 8 2023-10-29T00:01:19-04:00
## 9 2023-10-28T19:23:11-04:00
## 10 2023-10-29T03:41:18-04:00
## 11 2023-10-28T18:57:30-04:00
## 12 2023-10-29T00:01:18-04:00
## 13 2023-10-28T05:02:27-04:00
## 14 2023-10-28T10:03:36-04:00
## 15 2023-10-29T22:53:10-04:00
## 16 2023-10-29T19:06:05-04:00
## 17 2023-10-29T17:54:53-04:00
## 18 2023-10-29T16:34:03-04:00
## 19 2023-10-29T16:04:29-04:00
## 20 2023-10-29T15:45:29-04:00
## 21 2023-10-29T15:17:47-04:00
## 22 2023-10-29T09:48:09-04:00

```



## 23 2023-10-29T05:00:35-04:00  
 ## 24 2023-10-28T21:55:09-04:00  
 ## 25 2023-10-28T17:38:20-04:00  
 ## 26 2023-10-28T16:02:51-04:00  
 ## 27 2023-10-28T14:02:13-04:00  
 ## 28 2023-10-28T13:01:53-04:00  
 ## 29 2023-10-28T11:01:03-04:00  
 ## 30 2023-10-28T10:08:33-04:00  
 ## 31 2023-10-28T09:21:07-04:00  
 ## 32 2023-10-28T07:21:42-04:00  
 ## 33 2023-10-28T06:02:38-04:00  
 ## 34 2023-10-28T06:00:02-04:00  
 ## 35 2023-10-28T05:47:41-04:00  
 ##  
 ## 1  
 ## 2 Israel-Gaza War (2023- ), Demonstrations, Protests and Riots, Vo  
 ## 3 internal-sub-only, Russian Invasion of Ukraine (2022), Youth, Men and Boys, Defense and Military I  
 ## 4 Goats, Cheese, Global Warming, Taste, Politics and Government, Drought, Agriculture and Farming, I  
 ## 5  
 ## 6  
 ## 7 International  
 ## 8  
 ## 9  
 ## 10  
 ## 11 Israel-Gaza War (2023- )  
 ## 12  
 ## 13  
 ## 14 Hurricane Otis (2023), Humanitarian Aid  
 ## 15  
 ## 16  
 ## 17  
 ## 18  
 ## 19  
 ## 20  
 ## 21  
 ## 22  
 ## 23 Politics and Government, Democracy (Theory and Philosophy), Labor and Jobs, Rum  
 ## 24  
 ## 25  
 ## 26  
 ## 27  
 ## 28  
 ## 29  
 ## 30 Russian Invasi  
 ## 31 Israel-Gaza War (2023- ), United States Politics and Government, United States Intern  
 ## 32  
 ## 33  
 ## 34  
 ## 35 internal-storyl  
 ##  
 ## 1  
 ## 2 Brothers in Arm  
 ## 3  
 ## 4

## 5		Buckingham Palace
## 6		
## 7		
## 8		
## 9		
## 10		
## 11		
## 12		
## 13		
## 14		
## 15		
## 16		
## 17		
## 18		
## 19		
## 20		United Nations
## 21	English Premier League, Revolutionary Armed Forces of Colombia	
## 22		
## 23	Alternative for Germany, Business Council for Democracy (Hertie Foundation), Leipziger Gruppe, NO	
## 24		
## 25		
## 26		
## 27		Al Shifa Hospital
## 28		
## 29		
## 30		
## 31		Democracy
## 32		
## 33	China Daily, Communist Party of China, Global	
## 34		
## 35		
##		results.per_facet
## 1		
## 2		Netanyahu, Benjamin
## 3		
## 4		Gaudry, Francois-Regis
## 5	Charles III, King of the United Kingdom, Camilla, Queen Consort of the United Kingdom	
## 6		Rota, Anthony, Trudeau, Justin
## 7		Zelensky, Volodymyr
## 8		Kaczynski, Jaroslaw
## 9		Francis
## 10		
## 11		Netanyahu, Benjamin
## 12		
## 13		
## 14		Lopez Obrador, Andres Manuel
## 15		Pollack, Martha E
## 16		
## 17		Netanyahu, Benjamin
## 18		
## 19	Netanyahu, Benjamin, Gantz, Benny, Gallant, Yoav	
## 20		
## 21		Diaz, Luis (1997- )
## 22	Netanyahu, Benjamin, Gallant, Yoav, Gantz, Benny	

```

## 23
## 24
## 25 Austin, Lloyd J III
## 26
## 27
## 28
## 29 Amini, Mahsa (2000-22), Geravand, Armita
## 30 Tsaryov, Oleg
## 31 Biden, Joseph R Jr, Blinken, Antony J, Netanyahu, Benjamin
## 32
## 33 Hu Xijin, Xi Jinping
## 34
## 35
## results.geo_1
## 1
## 2 Gaza Strip, Israel
## 3 Kyiv (Ukraine), Ukraine, Lviv (Ukraine)
## 4 Chauvet Cave (France)
## 5 Africa, Israel
## 6
## 7 Crimea (Ukraine), Kherson (Ukraine), Israel, Gaza Strip, Ukraine, Russia
## 8
## 9
## 10 Seoul (South Korea)
## 11 Israel, Gaza Strip, Middle East
## 12 Israel, Gaza Strip, Ofakim (Israel), Rahat (Israel)
## 13
## 14 Acapulco (Mexico), Guerrero (Mexico), Mexico
## 15 Ithaca (New York)
## 16 Dagestan (Russia)
## 17 Israel, Gaza Strip
## 18 Far East, South and Southeast Asia and Pacific Areas, Israel, Gaza Strip, Ukraine, Seoul (South Korea)
## 19 Israel, Gaza Strip
## 20 Gaza Strip, Israel, Khan Younis (Gaza Strip)
## 21 Colombia
## 22 Israel
## 23 Germany, Saxony (Germany), United States
## 24 Brooklyn Bridge (NYC), Downtown Brooklyn (Brooklyn, NY), Brooklyn
## 25 Israel, Gaza Strip
## 26
## 27 Gaza Strip
## 28 Israel, Gaza Strip, Khan Younis (Gaza Strip)
## 29 Tehran (Iran)
## 30 Crimea (Ukraine), Russia, Ukraine
## 31 Delaware, Gaza Strip, Israel
## 32 Israel, Gaza Strip, Israel
## 33 China, Middle East
## 34
## 35
##
## 1
## 2
## 3
## 4

```

```
## 5  https://static01.nyt.com/images/2023/10/27/multimedia/00uk-king-kenya-1-jvtp/00uk-king-kenya-1-jv
## 6
## 7
## 8
## 9
## 10
## 11
## 12
## 13
## 14
## 15
## 16
## 17
## 18
## 19
## 20
## 21
## 22
## 23
## 24
## 25
## 26
## 27
## 28
## 29
## 30
## 31
## 32
## 33
## 34
## 35
##      results.short_url
## 1
## 2
## 3
## 4
## 5
## 6
## 7
## 8
## 9
## 10
## 11
## 12
## 13
## 14
## 15
## 16
## 17
## 18
## 19
## 20
## 21
## 22
```

```
## 23
## 24
## 25
## 26
## 27
## 28
## 29
## 30
## 31
## 32
## 33
## 34
## 35
```

## Cleaning Data

Getting the column names to only take out the relevant data

```
colnames(dat)
```

```
## [1] "status"           "copyright"
## [3] "section"          "last_updated"
## [5] "num_results"      "results.section"
## [7] "results.subsection" "results.title"
## [9] "results.abstract" "results.url"
## [11] "results.uri"      "results.byline"
## [13] "results.item_type" "results.updated_date"
## [15] "results.created_date" "results.published_date"
## [17] "results.material_type_facet" "results.kicker"
## [19] "results.des_facet" "results.org_facet"
## [21] "results.per_facet" "results.geo_facet"
## [23] "results.multimedia" "results.short_url"
```

Using dplyr to get the data

```
news <- dat %>%
  select("results.title", "results.section", "results.byline" )
head(news)
```

```
##                                results.title
## 1
## 2 They Refused to Serve. Now They're Supporting Israel's War Effort.
## 3                                Friends From Childhood. Brothers in War.
## 4 The Rigid World of French Cheesemaking Meets Unbound Climate Change
## 5   In Kenya, King Charles Will 'Walk a Tightrope' on Britain's Past
## 6   Nazis in Canada? A Secret List With Answers May Soon Be Released.
##   results.section                                results.byline
## 1
## 2 world By Steven Erlanger and Natan Odenheimer
## 3 world                                By Megan Specia
## 4 world                                By Catherine Porter
## 5 world                                By Mark Landler
## 6 world                                By Ian Austen
```

Changing the titles

```
news_final <- news %>%
  rename("Article Name" = results.title,
         "Writer" = results.byline,
         "Section" = results.section
        )
news_final
```

```
##                                     Article Name
## 1
## 2          They Refused to Serve. Now They're Supporting Israel's War Effort.
## 3                                Friends From Childhood. Brothers in War.
## 4          The Rigid World of French Cheesemaking Meets Unbound Climate Change
## 5                In Kenya, King Charles Will 'Walk a Tightrope' on Britain's Past
## 6                Nazis in Canada? A Secret List With Answers May Soon Be Released.
## 7          As Fighting Rages, Ukraine Takes Its Battle to the Diplomatic Arena
## 8                                A Less Polarized Poland? Not Yet, Election Results Suggest.
## 9          Vatican Deems Bigger Church Role for Women 'Urgent,' but Postpones Major Issues
## 10                                One Year After Tragedy, a Subdued Halloween in Itaewon
## 11                                Israel-Hamas War Enters 'Second Stage,' Netanyahu Says
## 12                                Israel's Hidden Victims, Arab Bedouins, Were Attacked by Hamas Too
## 13                                The World Is Becoming More African
## 14          Pleas for Aid and a Scramble for Supplies in Acapulco After Hurricane Otis
## 15          Cornell Jewish Center Under Guard After Online Threats to Jewish Students
## 16          Mob storms plane arriving in Russia from Tel Aviv, authorities say.
## 17          How Years of Israeli Failures on Hamas Led to a Devastating Attack
## 18                                Monday Briefing: Israel Extends Gaza Ground Campaign
## 19                                Netanyahu Finds Himself at War in Gaza and at Home
## 20                                34 Hours of Fear: The Blackout That Cut Gaza Off From the World
## 21          Colombia Mobilizes Troops to Search for Kidnapped Father of Liverpool Player
## 22          Netanyahu Apologizes After Blaming Security Chiefs for Failure in Hamas Attack
## 23                                A New Place to Learn Civics: The Workplace
## 24          Protesters fill the streets in New York to support Palestinians in Gaza.
## 25          Israeli Approach to Ground War in Gaza Aligns with U.S. Advice, Officials Say
## 26                                At Least 32 Killed in Vehicle Pileup in Egypt
## 27          Israel Says Al Shifa Hospital Conceals Hamas Underground Command Centers
## 28                                'You Think of Dying at Any Time'
## 29                                Iranian Teenager Dies Weeks After Mysterious Collapse
## 30          Kremlin's Onetime Pick to Be Ukraine's Puppet Leader Is Shot in Crimea
## 31          Biden's Israel Ties Rooted in Long Career: 'From His Gut to His Heart to His Head'
## 32                                Gaza's Tunnels Loom Large for Israel's Ground Forces
## 33          As China Looks to Broker Gaza Peace, Antisemitism Surges Online
## 34                                Lured by Federal Dollars, Canadian Cities Rethink Zoning
## 35                                Ghostly Presence
##          Section
## 1
## 2          world
## 3          world
## 4          world
## 5          world
## 6          world
## 7          world
## 8          world
```

```

## 9    world
## 10   world
## 11   world
## 12   world
## 13   world
## 14   world
## 15   world
## 16   world
## 17   world
## 18 briefing
## 19   world
## 20   world
## 21   sports
## 22   world
## 23   world
## 24 nyregion
## 25   world
## 26   world
## 27   world
## 28   world
## 29   world
## 30   world
## 31    us
## 32    us
## 33   world
## 34   world
## 35 briefing
##
##
## 1
## 2    By Steven Erlanger and Natan Odenheimer
## 3    By Megan Specia
## 4    By Catherine Porter
## 5    By Mark Landler
## 6    By Ian Austen
## 7    By Andrew E. Kramer and Matthew Mpoke Bigg
## 8    By Andrew Higgins
## 9    By Jason Horowitz and Elisabetta Povoledo
## 10   By Chang W. Lee and Inyoung Kang
## 11   By Patrick Kingsley, Ronen Bergman and Thomas Fuller
## 12   By Adam Goldman and Gal Koplewitz
## 13   By Declan Walsh and Hannah Reyes Morales
## 14   By Emiliano Rodríguez Mega, Zolan Kanno-Youngs and Elda Cantú
## 15   By Christopher Maag
## 16   By Ivan Nechepurenko, Marc Santora, Isabel Kershner and Riley Mellen
## 17   By Ronen Bergman, Mark Mazzetti and Maria Abi-Habib
## 18   By Justin Porter
## 19   By Isabel Kershner
## 20   By Abu Bakr Bashir, Iyad Abuheweila, Vivian Nereim and Yousur Al-Hlou
## 21   By James Wagner
## 22   By Isabel Kershner
## 23   By Melissa Eddy
## 24   By Erin Nolan, Eliza Fawcett and Nate Schweber
## 25   By Eric Schmitt
## 26   By Reuters

```

## 27	By Vivian Yee
## 28	By Raja Abdulrahim
## 29	By Christopher F. Schuetze
## 30	By Marc Santora
## 31	By Peter Baker
## 32	By Adam Goldman, Helene Cooper and Justin Scheck
## 33	By Daisuke Wakabayashi, Tiffany May and Claire Fu
## 34	By Vjosa Isai
## 35	By Melissa Kirsch