

# DATA 607 Week Nine: New York Times Newswire API

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## Overview

This assignment asked me to make a connection with the New York Times API and take returned data and place it in a dataframe. The below does this with the style section. The API key has been hidden from view in knitting and deleted from the Rmd before submission. To run the below, please add your API key with News Wire enabled.

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

## Calling the. API

This is a function that calls the style section of the New York Times and returns all the content. It's designed to be basic and straight forward so that it can be later filtered.

```
fashionista <- function(section = "style") {
  vanity_fair <- "https://api.nytimes.com/svc/news/v3/content/nyt/"
  vogue <- paste0(vanity_fair, section, ".json?api-key=", nyt_key)

  gucci <- GET(vogue)

  if (status_code(gucci) == 200) {
    looks <- content(gucci, "text")
    makeup <- fromJSON(looks, flatten = TRUE)
    thoughts <- as.data.frame(makeup$results)

    return(thoughts)
  } else {
    message("Sad face. Nothing available.")
    return(NULL)
  }
}

style_thoughts <- fashionista("style")
style_thoughts
```

```
##           slug_name section subsection
## 1      24NEW-YORK-NICO   Style
## 2      24SINWAR-BIRKIN   Style
## 3      24FOSTER-SISTERS-QA   Style
## 4      23MARTHA-VS-INA   Style
## 5      23FERNANDO-VALENZUELA-STYLE   Style
## 6      23DANGEROUS-DANCE-MOVES   Style
```

## 7	23TINYLOVE-EYES	Style
## 8	23STREET-FITNESS	Style
## 9	23SOCIALQS	Style
## 10	23OUTERSPACE	Style
## 11	22ML-ANN-STYLE-NEWSLETTER-WEB	Style
## 12	22GALA-SERIES-GODS-LOVE-MOMA	Style
## 13	22JUUL-LAWSUIT-PAYOUTS	Style
## 14	22FEELD	Style
## 15	FALL-STORE-OPENINGS	Style
## 16	21SUNSET-BLVD-OPENING-NIGHT	Style
## 17	21ACADEMY-RED-CARPET	Style
## 18	21X-BLOCK-FEATURE	Style
## 19	21BAKE-OFF-CONTESTANT	Style
## 20	21ASKVANESSA	Style
##		title
## 1		A Very New York Party for New York Nico
## 2		Luxury Fashion as Political Propaganda
## 3		The Sisters Behind 'Nobody Wants This' Are in High Demand
## 4		Is There a Feud Between Martha Stewart and Ina Garten?
## 5		Fernandomania Wasn't a Fairy Tale. It Was Better Than That.
## 6		A Dance Trend That Comes With a Warning Label
## 7		Tiny Love Stories: 'I Could Barely Believe My Eyes'
## 8		In New York, the Strongmen Step Outside
## 9	My Sister Chose My Birthday for Her Scheduled C-Section. I'm Annoyed!	
## 10		Not Just Any Old Warehouse
## 11		Modern Love Turns 20!
## 12	Samuel L. Jackson, Megan Thee Stallion and Sarah Jessica Parker Pick Up Honors	
## 13		They Sued Juul and Now It's Payday
## 14		New York's Old Guard Meets a Sexy Newcomer
## 15		New York Was a Shopping Town. Is It Again?
## 16	Jeff Bezos and Jessica Chastain Toast a Daring 'Sunset Boulevard' on Broadway	
## 17		Old School Glamour at the Met Gala of the West Coast
## 18		On X, the Definition of 'Blocking' Is About to Change
## 19		The Captain Jack Sparrow of Baking
## 20		Why Are Hospital Gowns So Ugly?
##		
## 1		At Astor Place Hairstylists, an old
## 2		
## 3		Sara and Erin Foster took a short break to discuss the
## 4	The lifestyle luminaries, who have been on the publicity circuit, were once close, but in a recent	
## 5		Fernando Valenzuela, who died on Tuesday at age 63
## 6		Danny Amendola's smooth lift on "Dancing Wi
## 7		
## 8		A new generation of fitness buffs
## 9		After five years of sharing birthdays with her
## 10	Ricky Choi, a co-founder of Nice Laundry, was frustrated by how fulfillm	
## 11		To celebrate the Modern Love column's 20th a
## 12		The Museum of Modern Art hosted its fi
## 13		
## 14		
## 15		Small, medium an
## 16		A stripped-back revival o
## 17		
## 18		A change in how the site works will allow people to see posts by us

```

## 19                                     A breakout contestant on "The Great British Baking S
## 20
##                                     uri
## 1  nyt://article/7f276d36-c74b-5724-b2fe-f80e2d960e43
## 2  nyt://article/f2e090af-32e0-5609-923e-36f1422b4eb4
## 3  nyt://article/9ce67299-7a7a-5c53-bd71-1c1e8fef9084
## 4  nyt://article/31ac6a6c-1a7b-513b-9646-1ebb5d5b49c2
## 5  nyt://article/88772034-54ed-596b-a5a3-735b500cb66f
## 6  nyt://article/f17c5e6e-f29d-5ca9-be1f-af3d666a22c6
## 7  nyt://article/d830cde1-ebdf-5c9f-99de-34f4a03fcde1
## 8  nyt://article/662cd3b1-a4df-5530-8f37-5adb5859c792
## 9  nyt://article/74c6dd6b-e61e-54ef-9f30-72be809ac958
## 10 nyt://article/8cc136ec-b528-5f76-953c-e8058ca1b400
## 11 nyt://article/15e85ad1-ea17-5fce-a6a2-42f6be8424e4
## 12 nyt://article/709cab40-db1e-5fee-8351-13b1fcc20eca
## 13 nyt://article/fc688e8a-4606-5699-9ee3-d14071ebe5e4
## 14 nyt://article/5a000467-0888-501b-b5e6-a8d663137674
## 15 nyt://article/9aa6ffc1-f0b0-5971-bf16-6ca162cdd6d0
## 16 nyt://article/ad09c31e-d0a6-5487-83f3-eb9972ed073c
## 17 nyt://article/7c8911ac-e8c7-552e-92f8-08f607d57175
## 18 nyt://article/e386ce38-a62d-51f4-bd02-a24d5ba59f6e
## 19 nyt://article/cacc654d-9a27-5ad8-952d-dd165551a142
## 20 nyt://article/9f03bce9-ddca-5712-8c2b-9289265ba14a
##
## 1                                     https://www.nytimes.com/2024/10/24/style/new-york-nico-book-party.
## 2                                     https://www.nytimes.com/2024/10/24/style/sinwar-hamas-birkin.
## 3                                     https://www.nytimes.com/2024/10/24/style/erin-foster-nobody-wants-this.
## 4                                     https://www.nytimes.com/2024/10/23/style/martha-stewart-ina-garten-feud.
## 5                                     https://www.nytimes.com/2024/10/23/style/fernando-valenzuela-fernandomania.
## 6                                     https://www.nytimes.com/2024/10/23/style/danny-amendola-dancing-with-the-stars-tiktok.
## 7  https://www.nytimes.com/2024/10/23/style/tiny-modern-love-stories-i-could-barely-believe-my-eyes.
## 8                                     https://www.nytimes.com/2024/10/23/style/outdoor-workouts-nyc-motivational-monday.
## 9                                     https://www.nytimes.com/2024/10/23/style/shared-birthdays-family.
## 10                                    https://www.nytimes.com/2024/10/23/style/outerspace-nice-laundry-ricky-choi.
## 11                                    https://www.nytimes.com/2024/10/22/style/modern-love-turns-20-newsletter.
## 12                                    https://www.nytimes.com/2024/10/24/style/golden-heart-awards-megan-thee-stallion.
## 13                                    https://www.nytimes.com/2024/10/22/style/juul-lawsuit-payments-tiktok.
## 14                                    https://www.nytimes.com/2024/10/22/style/literary-new-york-feeld-dating-app.
## 15                                    https://www.nytimes.com/2024/10/22/style/new-york-stores-shopping.
## 16                                    https://www.nytimes.com/2024/10/21/style/sunset-boulevard-nicole-scherzinger-broadway.
## 17                                    https://www.nytimes.com/2024/10/21/style/academy-museum-gala-best-dressed.
## 18                                    https://www.nytimes.com/2024/10/21/style/x-twitter-blocking-elon-musk.
## 19                                    https://www.nytimes.com/2024/10/21/style/dylan-bachelet-great-british-baking-show.
## 20                                    https://www.nytimes.com/2024/10/21/style/hospital-gown.
##
##                                     byline item_type      source
## 1                                     By Alex Vadukul   Article New York Times
## 2                                     By Vanessa Friedman Article New York Times
## 3                                     By Alyson Krueger  Article New York Times
## 4                                     By Sadiba Hasan    Article New York Times
## 5                                     By Scott Miller    Article New York Times
## 6                                     By Steven Kurutz   Article New York Times
## 7                                     Article New York Times
## 8  By Sandra E. Garcia and Kadar R. Small Article New York Times
## 9                                     By Philip Galanes  Article New York Times

```

## 10		By Steven Kurutz	Article	New York Times
## 11		By Miya Lee	Article	New York Times
## 12	By Sarah Bahr and Rosalie R. Radomsky		Article	New York Times
## 13		By Joseph Bernstein	Article	New York Times
## 14		By Alex Vadukul	Article	New York Times
## 15		By Max Berlinger	Article	New York Times
## 16	By Sarah Bahr and Rebecca Smeyne		Article	New York Times
## 17		By Vanessa Friedman	Article	New York Times
## 18		By Sandra E. Garcia	Article	New York Times
## 19		By Annemarie Conte	Article	New York Times
## 20		By Vanessa Friedman	Article	New York Times
##	updated_date	created_date		
## 1	2024-10-24T16:54:42-04:00	2024-10-24T16:54:42-04:00		
## 2	2024-10-24T05:04:41-04:00	2024-10-24T05:04:41-04:00		
## 3	2024-10-24T05:03:37-04:00	2024-10-24T05:03:37-04:00		
## 4	2024-10-23T20:13:42-04:00	2024-10-23T20:13:42-04:00		
## 5	2024-10-24T14:00:20-04:00	2024-10-23T19:03:41-04:00		
## 6	2024-10-24T07:10:55-04:00	2024-10-23T16:44:46-04:00		
## 7	2024-10-23T16:26:08-04:00	2024-10-23T16:22:50-04:00		
## 8	2024-10-23T16:00:27-04:00	2024-10-23T16:00:27-04:00		
## 9	2024-10-23T09:00:03-04:00	2024-10-23T09:00:04-04:00		
## 10	2024-10-23T15:32:21-04:00	2024-10-23T08:50:26-04:00		
## 11	2024-10-22T18:31:21-04:00	2024-10-22T18:31:21-04:00		
## 12	2024-10-24T14:00:39-04:00	2024-10-22T17:20:27-04:00		
## 13	2024-10-22T21:24:54-04:00	2024-10-22T15:28:18-04:00		
## 14	2024-10-22T05:05:50-04:00	2024-10-22T05:05:50-04:00		
## 15	2024-10-22T11:10:03-04:00	2024-10-22T05:04:23-04:00		
## 16	2024-10-21T15:05:46-04:00	2024-10-21T15:05:46-04:00		
## 17	2024-10-21T14:49:25-04:00	2024-10-21T14:49:25-04:00		
## 18	2024-10-21T13:30:08-04:00	2024-10-21T13:30:08-04:00		
## 19	2024-10-23T23:40:50-04:00	2024-10-21T13:00:08-04:00		
## 20	2024-10-22T14:30:33-04:00	2024-10-21T05:04:37-04:00		
##	published_date	first_published_date	material_type_facet	
## 1	2024-10-24T16:54:42-04:00	2024-10-24T16:54:42-04:00		News
## 2	2024-10-24T05:04:41-04:00	2024-10-24T05:04:41-04:00	News Analysis	
## 3	2024-10-24T05:03:37-04:00	2024-10-24T05:03:37-04:00		News
## 4	2024-10-23T20:13:42-04:00	2024-10-23T20:13:42-04:00		News
## 5	2024-10-23T19:03:41-04:00	2024-10-23T19:03:41-04:00		News
## 6	2024-10-23T16:44:46-04:00	2024-10-23T16:44:46-04:00		News
## 7	2024-10-23T16:22:50-04:00	2024-10-23T16:22:50-04:00		News
## 8	2024-10-23T16:00:27-04:00	2024-10-23T16:00:27-04:00		News
## 9	2024-10-23T09:00:04-04:00	2024-10-23T09:00:04-04:00		News
## 10	2024-10-23T08:50:26-04:00	2024-10-23T08:50:26-04:00		News
## 11	2024-10-22T18:31:21-04:00	2024-10-22T18:31:21-04:00		News
## 12	2024-10-22T17:20:27-04:00	2024-10-22T17:20:27-04:00		News
## 13	2024-10-22T15:28:18-04:00	2024-10-22T15:28:18-04:00		News
## 14	2024-10-22T05:05:50-04:00	2024-10-22T05:05:50-04:00		News
## 15	2024-10-22T05:04:23-04:00	2024-10-22T05:04:23-04:00		News
## 16	2024-10-21T15:05:46-04:00	2024-10-21T15:05:46-04:00		News
## 17	2024-10-21T14:49:25-04:00	2024-10-21T14:49:25-04:00		News
## 18	2024-10-21T13:30:08-04:00	2024-10-21T13:30:08-04:00		News
## 19	2024-10-21T13:00:08-04:00	2024-10-21T13:00:08-04:00		News
## 20	2024-10-21T05:04:37-04:00	2024-10-21T05:04:37-04:00		News
##	kicker	subheadline		

```

## 1
## 2 Critic's Notebook
## 3     Styles Q&A
## 4
## 5     An Appraisal
## 6
## 7     Modern Love
## 8
## 9     Social Q's
## 10
## 11
## 12     Gala Season
## 13
## 14
## 15
## 16     Out & about
## 17
## 18
## 19
## 20     ASK Vanessa
##
## 1
## 2 Fashion and Apparel, Luxury Goods and Services, Israel-Gaza War (2023- ), Handbags and Purses, Pro
## 3                                     Television,
## 4
## 5
## 6
## 7
## 8
## 9
## 10                                     Fashion and Apparel,
## 11                                     Love (Emoti
## 12
## 13
## 14
## 15
## 16
## 17
## 18
## 19
## 20
##                                     org_facet
## 1
## 2                                     Hermes International SA
## 3
## 4                                     New Yorker
## 5                                     Los Angeles Dodgers
## 6                                     TikTok (ByteDance)
## 7
## 8
## 9
## 10                                     Nice Laundry (Fashion Label), Outerspace Ops Inc
## 11
## 12 God's Love We Deliver, Cathedral Church of St John the Divine (Manhattan, NY)

```

```

## 13                Juul Labs Inc, Altria Group Inc
## 14                Feeld Ltd, New Yorker
## 15                Arc'teryx Equipment, Steven Alan Holdings
## 16                St James Theater
## 17                Academy Museum of Motion Pictures
## 18                X (Formerly Twitter)
## 19
## 20
##
## 1
## 2
## 3
## 4
## 5
## 6
## 7
## 8
## 9
## 10
## 11
## 12                Kors, Michael, Escola,
## 13
## 14
## 15
## 16 Bezos, Jeffrey P, Chastain, Jessica, Close, Glenn, Consuelos, Mark, Cox, Laverne, Ferguson, Jesse
## 17
## 18
## 19
## 20
##
##                geo_facet
## 1                New York City
## 2                Gaza Strip
## 3
## 4
## 5
## 6
## 7
## 8                Bronx (NYC)
## 9
## 10
## 11
## 12                Harlem (Manhattan, NY)
## 13
## 14                Upper East Side (Manhattan, NY)
## 15 New York City, NoLita (Manhattan, NY), TriBeCa (Manhattan, NY), SoHo (Manhattan, NY)
## 16
## 17
## 18
## 19
## 20
##      related_urls
## 1          NULL
## 2          NULL
## 3          NULL

```

```

## 4      NULL
## 5      NULL
## 6      NULL
## 7      NULL
## 8      NULL
## 9      NULL
## 10     NULL
## 11     NULL
## 12     NULL
## 13     NULL
## 14     NULL
## 15     NULL
## 16     NULL
## 17     NULL
## 18     NULL
## 19     NULL
## 20     NULL
##
## 1
## 2
## 3
## 4
## 5 https://static01.nyt.com/images/2024/10/23/multimedia/23FERNANDO-VALENZUELA-STYLE-01-fkmj/23FERNAN
## 6
## 7
## 8
## 9
## 10
## 11
## 12
## 13 https://static01.nyt.com/imag
## 14
## 15
## 16
## 17
## 18
## 19
## 20

```

Now that I can see what the data looks like I will reduce the fields and reorder them to make more sense.

```

fresh_looks <- style_thoughts[, c("published_date", "byline", "title", "abstract")]
fresh_looks$published_date <- as.Date(fresh_looks$published_date)
fresh_looks <- as_tibble(fresh_looks)
fresh_looks

```

```

## # A tibble: 20 x 4
##   published_date byline title abstract
##   <date>        <chr> <chr> <chr>
## 1 2024-10-24 "By Alex Vadukul" A Very New ~ At Asto~
## 2 2024-10-24 "By Vanessa Friedman" Luxury Fash~ In figh~
## 3 2024-10-24 "By Alyson Krueger" The Sisters~ Sara an~
## 4 2024-10-23 "By Sadiba Hasan" Is There a ~ The lif~
## 5 2024-10-23 "By Scott Miller" Fernandoman~ Fernand~
## 6 2024-10-23 "By Steven Kurutz" A Dance Tre~ Danny A~

```

##	7	2024-10-23	"	Tiny Love S~ Modern ~
##	8	2024-10-23	"By Sandra E. Garcia and Kadar R. Small"	In New York~ A new g~
##	9	2024-10-23	"By Philip Galanes"	My Sister C~ After f~
##	10	2024-10-23	"By Steven Kurutz"	Not Just An~ Ricky C~
##	11	2024-10-22	"By Miya Lee"	Modern Love~ To cele~
##	12	2024-10-22	"By Sarah Bahr and Rosalie R. Radomsky"	Samuel L. J~ The Mus~
##	13	2024-10-22	"By Joseph Bernstein"	They Sued J~ Unexpec~
##	14	2024-10-22	"By Alex Vadukul"	New York's ~ The lit~
##	15	2024-10-22	"By Max Berlinger"	New York Wa~ Small, ~
##	16	2024-10-21	"By Sarah Bahr and Rebecca Smeyne"	Jeff Bezos ~ A strip~
##	17	2024-10-21	"By Vanessa Friedman"	Old School ~ The Aca~
##	18	2024-10-21	"By Sandra E. Garcia"	On X, the D~ A chang~
##	19	2024-10-21	"By Annemarie Conte"	The Captain~ A break~
##	20	2024-10-21	"By Vanessa Friedman"	Why Are Hos~ Curious~

## Conclusion

I treated this as a straight forward assignment with minimal need to do much beyond producing data that makes sense in a final table.