DATA 607: Week 9 Assignment

James Williams

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Task

Your task is to choose one of the New York Times APIs, construct an interface in R to read in the JSON data, and transform it into an R DataFrame.

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

Import as Data Frame

```r
url <- 'https://api.nytimes.com/svc/movies/v2/reviews/all.json?api-key=nZZptayfj74B4ew5lF67g23SdCsosUPl
pull <- GET(url, accept_json())
json <- content(pull, as="text")
data <- fromJSON(json)
df <- as.data.frame(data)
head(df)
```

```
##   status                                                        copyright
## 1     OK Copyright (c) 2020 The New York Times Company. All Rights Reserved.
## 2     OK Copyright (c) 2020 The New York Times Company. All Rights Reserved.
## 3     OK Copyright (c) 2020 The New York Times Company. All Rights Reserved.
## 4     OK Copyright (c) 2020 The New York Times Company. All Rights Reserved.
## 5     OK Copyright (c) 2020 The New York Times Company. All Rights Reserved.
## 6     OK Copyright (c) 2020 The New York Times Company. All Rights Reserved.
##   has_more num_results results.display_title results.mpaa_rating
## 1     TRUE          20              Uncorked
## 2     TRUE          20          The Platform
## 3     TRUE          20            Resistance                   R
## 4     TRUE          20              Vivarium                   R
## 5     TRUE          20          Banana Split                   R
## 6     TRUE          20                  Tape
##   results.critics_pick     results.byline
## 1                    0       Lovia Gyarkye
## 2                    0        Jason Bailey
## 3                    0 Jeannette Catsoulis
## 4                    0         Glenn Kenny
## 5                    0      Ben Kenigsberg
```

```
## 6                      0 Jeannette Catsoulis
##                                                         results.headline
## 1          'Uncorked' Review: A Fresh Take on the Father-Son Drama
## 2    'The Platform' Review: An Accidentally Timely Political Allegory
## 3                        'Resistance' Review: Save the Children
## 4          'Vivarium' Review: This Is Not Your Beautiful House
## 5 'Banana Split' Review: Preparing for the Worst and Finding a Bestie
## 6                        'Tape' Review: That's (Not) Entertainment
##
## 1                                    A young man seeks to become a master sommelier in this di
## 2                                    Netflix's gnarly class commentary certainly isn't subtle. I
## 3             In this disjointed Holocaust drama starring Jesse Eisenberg, a French actor leads
## 4 Jesse Eisenberg and Imogen Poots play a young couple trapped in a housing project and given an one
## 5         Rivals Hannah Marks and Liana Liberato bond behind a boyfriend's back in this familiar but
## 6                        Two aspiring actresses face the same abuser in Deborah Kampmeier's o
##   results.publication_date results.opening_date results.date_updated
## 1               2020-03-27           2020-03-27  2020-03-27 07:06:02
## 2               2020-03-26           2020-03-20  2020-03-26 12:48:02
## 3               2020-03-26           2020-03-27  2020-03-26 11:44:02
## 4               2020-03-26           2020-03-27  2020-03-26 11:04:04
## 5               2020-03-26                 <NA>  2020-03-26 11:04:02
## 6               2020-03-26                 <NA>  2020-03-26 11:04:03
##   results.link.type
## 1           article
## 2           article
## 3           article
## 4           article
## 5           article
## 6           article
##                                                         results.link.url
## 1     http://www.nytimes.com/2020/03/27/movies/uncorked-review.html
## 2 http://www.nytimes.com/2020/03/26/movies/the-platform-review.html
## 3   http://www.nytimes.com/2020/03/26/movies/resistance-review.html
## 4     http://www.nytimes.com/2020/03/26/movies/vivarium-review.html
## 5 http://www.nytimes.com/2020/03/26/movies/banana-split-review.html
## 6         http://www.nytimes.com/2020/03/26/movies/tape-review.html
##                 results.link.suggested_link_text results.multimedia.type
## 1    Read the New York Times Review of Uncorked       mediumThreeByTwo210
## 2 Read the New York Times Review of The Platform       mediumThreeByTwo210
## 3   Read the New York Times Review of Resistance       mediumThreeByTwo210
## 4     Read the New York Times Review of Vivarium       mediumThreeByTwo210
## 5 Read the New York Times Review of Banana Split       mediumThreeByTwo210
## 6         Read the New York Times Review of Tape       mediumThreeByTwo210
##
## 1                                                 https://static01.nyt.com/images/2020/03/27/arts/uncork
## 2                                                 https://static01.nyt.com/images/2020/03/26/arts/plat
## 3 https://static01.nyt.com/images/2020/03/25/arts/resistance1/merlin_170638200_231670a3-a003-4506-9d
## 4                                                 https://static01.nyt.com/images/2020/03/26/arts/26viva
## 5                         https://static01.nyt.com/images/2020/03/26/arts/26bananasplitpix/2
## 6                                                 https://static01.nyt.com/images/2020/03/25/a
##   results.multimedia.width results.multimedia.height
## 1                      210                       140
## 2                      210                       140
## 3                      210                       140
```

```
## 4                      210                      140
## 5                      210                      140
## 6                      210                      140
```