Working with Web APIs

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```r
url <- "https://api.nytimes.com/svc/movies/v2/reviews/search.json?query=godfather&api-key="
api <- "krQNO5dlYnDwkfKePaG4yaGOuMcEhZSJ"
path <- paste(url,api, sep = "")
```

```r
df <- as.data.frame(fromJSON(path))
```

```r
head(df)
```

```
##   status                                                          copyright
## 1     OK Copyright (c) 2022 The New York Times Company. All Rights Reserved.
## 2     OK Copyright (c) 2022 The New York Times Company. All Rights Reserved.
## 3     OK Copyright (c) 2022 The New York Times Company. All Rights Reserved.
## 4     OK Copyright (c) 2022 The New York Times Company. All Rights Reserved.
## 5     OK Copyright (c) 2022 The New York Times Company. All Rights Reserved.
## 6     OK Copyright (c) 2022 The New York Times Company. All Rights Reserved.
##   has_more num_results                 results.display_title
## 1    FALSE          10                    The Black Godfather
## 2    FALSE          10 Square Grouper: The Godfathers of Ganja
## 3    FALSE          10                        Tokyo Godfathers
## 4    FALSE          10                 The Godfather, Part III
## 5    FALSE          10                  The Godfather, Part II
## 6    FALSE          10                    The Black Godfather
##   results.mpaa_rating results.critics_pick results.byline
## 1             TV-MA                       0 BEN KENIGSBERG
## 2                 R                       0   RACHEL SALTZ
## 3             PG-13                       1     A. O. Scott
## 4                 R                       1    Janet Maslin
## 5                 R                       1  VINCENT CANBY
## 6                 R                       0      NORA SAYRE
##                                                    results.headline
## 1 'The Black Godfather' Review: The Music Executive Who Made It All Happen
## 2                                          Adventures in the Drug Trades
## 3                Three Down-and-Outs Rescue a Foundling From the Trash
## 4                                        GODFATHER PART III (MOVIE)
## 5                                    Godfather: Part II, The (Movie)
## 6                                    Black Godfather, The (Movie)
##
## 1
## 2
## 3 Another marvel from Satoshi Kon, whose first two films, &quot;Perfect Blue&quot; and &quot;Millenni
## 4
```

```
## 5
## 6
##   results.publication_date results.opening_date results.date_updated
## 1               2019-06-06           2019-06-07  2019-06-14 16:44:01
## 2               2011-04-14           2011-04-15  2017-11-02 04:18:13
## 3               2004-01-16                 <NA>  2017-11-02 04:16:23
## 4               1990-12-25           1990-12-25  2017-11-02 04:17:42
## 5               1974-12-13           1974-12-20  2017-11-02 04:17:27
## 6               1974-09-04                 <NA>  2017-11-02 04:16:03
##   results.link.type
## 1           article
## 2           article
## 3           article
## 4           article
## 5           article
## 6           article
##
## 1                                                  https://www.nytimes.com/2019/06/06/movies/the-black-g
## 2                                                  https://www.nytimes.com/2011/04/15/movies/square-group
## 3 https://www.nytimes.com/2004/01/16/movies/film-review-three-down-outs-rescue-foundling-trash-anyon
## 4  https://www.nytimes.com/1990/12/25/movies/review-film-the-corleones-try-to-go-straight-in-the-god
## 5                    https://www.nytimes.com/1974/12/13/archives/godfather-part-ii-is-hard-to-
## 6                  https://www.nytimes.com/1974/09/04/archives/screen-drug-traffickers-vie-in-
##                               results.link.suggested_link_text
## 1              Read the New York Times Review of The Black Godfather
## 2 Read the New York Times Review of Square Grouper: The Godfathers of Ganja
## 3                  Read the New York Times Review of Tokyo Godfathers
## 4           Read the New York Times Review of The Godfather, Part III
## 5            Read the New York Times Review of The Godfather, Part II
## 6              Read the New York Times Review of The Black Godfather
##   results.multimedia.type
## 1     mediumThreeByTwo210
## 2                    <NA>
## 3                    <NA>
## 4                    <NA>
## 5                    <NA>
## 6                    <NA>
##                                                                                   results.multimedi
## 1 https://static01.nyt.com/images/2019/06/05/arts/blackgodfather1/blackgodfather1-mediumThreeByTwo21
## 2
## 3
## 4
## 5
## 6
##   results.multimedia.height results.multimedia.width
## 1                       140                      210
## 2                        NA                       NA
## 3                        NA                       NA
## 4                        NA                       NA
## 5                        NA                       NA
## 6                        NA                       NA
```