

Assignment__week9

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Web API's

Approach

Using the jsonlite library we will be reading the JSON document from the New your times API. Once document is read we will transform the json in to a R data frame object

Reading the data

After retrieving the API Key Making a call to the Ny Times Article search API to get the listing of the articles

```
library(jsonlite)
nytimes_articles <- fromJSON("http://developer.nytimes.com/proxy/https/api.nytimes.com/svc/search/v2/ar
```

Transforming it in to a data frame.

In this step we successfully created a data frame from the JSON returned from the API call

```
articleDf=data.frame(nytimes_articles$response$docs$pub_date)
colnames(articleDf)<-c('publishdate')
articleDf$type=nytimes_articles$response$docs$document_type
articleDf$headline=nytimes_articles$response$docs$headline$main
articleDf$source=nytimes_articles$response$docs$source
articleDf$section_name=nytimes_articles$response$docs$section_name
articleDf$web_url=nytimes_articles$response$docs$web_url
```

Display the data in the data frame.

```
articleDf

##           publishdate      type
## 1 2017-10-29T23:30:37+0000 article
## 2 2017-10-29T23:24:28+0000 article
## 3 2017-10-29T23:15:27+0000 article
## 4 2017-10-29T23:09:33+0000 article
## 5 2017-10-29T23:06:40+0000 article
## 6 2017-10-29T23:06:28+0000 article
## 7 2017-10-29T23:03:27+0000 article
## 8 2017-10-29T22:51:12+0000 article
## 9 2017-10-29T22:48:28+0000 article
```

```

## 10 2017-10-29T22:43:32+0000 article
##                                     headline
## 1                               Oladipo's Late 3 Gives Pacers Rare 97-94 Win Over Spurs
## 2                               Flood of Chinese Capital Seen Shaking Up Aviation Finance
## 3       As China's Home Prices Cool, Some Property Companies Seek to Reduce Risks
## 4       Special Counsel's Russia Probe Entering New Phase With First Charges
## 5       Los Angeles Mayor Eric Garcetti Says No to Run for Governor
## 6       Qatar Emir Says Open to Trump-Hosted Talks Over Gulf Crisis: CBS
## 7       Armour Claims First Tour Win in Impressive Style
## 8       The Economy Can't Grow Without Birth Control
## 9 Most of NFL's Houston Texans Kneel During Anthem After Owner's 'Inmates' Remark
## 10      Russia Uses Its Oil Giant, Rosneft, as a Foreign Policy Tool
##          source          section_name
## 1          AP          Pro Basketball
## 2          Reuters          <NA>
## 3          Reuters          <NA>
## 4          Reuters          Europe
## 5          AP          <NA>
## 6          Reuters          Middle East
## 7          Reuters          Golf
## 8 The New York Times          <NA>
## 9          Reuters          Pro Football
## 10 The New York Times Energy & Environment
##                                     web_1
## 1          https://www.nytimes.com/aponline/2017/10/29/sports/basketball/ap-bkn-spurs-pacers.h
## 2          https://www.nytimes.com/reuters/2017/10/29/business/29reuters-aviation-finance.h
## 3          https://www.nytimes.com/reuters/2017/10/29/business/29reuters-china-property-debt-analysis.h
## 4          https://www.nytimes.com/reuters/2017/10/29/world/europe/29reuters-usa-trump-russia.h
## 5          https://www.nytimes.com/aponline/2017/10/29/us/ap-us-los-angeles-mayor.h
## 6          https://www.nytimes.com/reuters/2017/10/29/world/middleeast/29reuters-gulf-crisis-qatar.h
## 7          https://www.nytimes.com/reuters/2017/10/29/sports/golf/29reuters-golf-sandersonfarms.h
## 8          https://www.nytimes.com/2017/10/29/opinion/economy-birth-control.h
## 9          https://www.nytimes.com/reuters/2017/10/29/sports/football/29reuters-football-nfl-anthem-texans.h
## 10         https://www.nytimes.com/2017/10/29/business/energy-environment/russia-venezuela-oil-rosneft.h

```