

Assignment__week9

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http://rpubs.com/umais/data607__week9__assignment

https://github.com/umais/DATA-607/tree/master/Week9__Assignment

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 2017-10-29T23:42:37+0000 article
## 2 2017-10-29T23:42:33+0000 article
## 3 2017-10-29T23:38:43+0000 article
## 4 2017-10-29T23:36:08+0000 article
## 5 2017-10-29T23:30:37+0000 article
## 6 2017-10-29T23:24:28+0000 article
## 7 2017-10-29T23:15:27+0000 article
## 8 2017-10-29T23:09:33+0000 article
```

```

## 9 2017-10-29T23:06:40+0000 article
## 10 2017-10-29T23:06:28+0000 article
##                                     headline
## 1          Cowboys 'Feed Zeke,' Capitalize on Mistakes to Beat Redskins
## 2                                     10 Things to Know for Monday
## 3          Manhattan Gallery<U+0092>s Squeaky Floor Draws the Wrath of Rodent Lovers
## 4          In Third Retirement, Martina Hingis Cedes Her Doubles Kingdom
## 5          Oladipo's Late 3 Gives Pacers Rare 97-94 Win Over Spurs
## 6          Flood of Chinese Capital Seen Shaking Up Aviation Finance
## 7 As China's Home Prices Cool, Some Property Companies Seek to Reduce Risks
## 8          Special Counsel's Russia Probe Entering New Phase With First Charges
## 9          Los Angeles Mayor Eric Garcetti Says No to Run for Governor
## 10         Qatar Emir Says Open to Trump-Hosted Talks Over Gulf Crisis: CBS
##          source      section_name
## 1          AP        Pro Football
## 2          AP        <NA>
## 3 The New York Times    <NA>
## 4 The New York Times    Tennis
## 5          AP Pro Basketball
## 6          Reuters     <NA>
## 7          Reuters     <NA>
## 8          Reuters     Europe
## 9          AP          <NA>
## 10         Reuters     Middle East
##                                     web_url
## 1          https://www.nytimes.com/aponline/2017/10/29/sports/football/ap-fbn-cowboys-redskins.html
## 2          https://www.nytimes.com/aponline/2017/10/29/us/ap-10-things-to-know-monday.html
## 3          https://www.nytimes.com/2017/10/29/nyregion/mouse-floor-art-installation.html
## 4          https://www.nytimes.com/2017/10/29/sports/tennis/martina-hingis-retire.html
## 5          https://www.nytimes.com/aponline/2017/10/29/sports/basketball/ap-bkn-spurs-pacers.html
## 6          https://www.nytimes.com/reuters/2017/10/29/business/29reuters-aviation-finance.html
## 7 https://www.nytimes.com/reuters/2017/10/29/business/29reuters-china-property-debt-analysis.html
## 8          https://www.nytimes.com/reuters/2017/10/29/world/europe/29reuters-usa-trump-russia.html
## 9          https://www.nytimes.com/aponline/2017/10/29/us/ap-us-los-angeles-mayor.html
## 10         https://www.nytimes.com/reuters/2017/10/29/world/middleeast/29reuters-gulf-crisis-qatar.html

```