

Week 9 Assignment

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```
library(jsonlite)
library(httr)
library(XML)
library(knitr)
```

For my API I searched for all articles containing 'Obama' on 01/01/2012. Facet count will be returned for 'day_of_week' and will be reflective of all documents (i.e., the date range filter and filter query do not affect facet counts) and used the suggested URL example.

```
Url <- 'http://api.nytimes.com/svc/search/v2/articlesearch.json?fq=obama&facet_field=day_of_week&begin_
Url
```

```
## [1] "http://api.nytimes.com/svc/search/v2/articlesearch.json?fq=obama&facet_field=day_of_week&begin_
```

Since it is JSON document, I used the FromJSON function to read the information.

```
Obama <- fromJSON(Url)
Obama
```

```
## $status
## [1] "OK"
##
## $copyright
## [1] "Copyright (c) 2017 The New York Times Company. All Rights Reserved."
##
## $response
## $response$docs
##
## 1 https://www.nytimes.com/2012/01/01/fashion/weddings/alison-silber-eric-lesser-weddings.h
## 2 https://www.nytimes.com/2012/01/01/us/if-2011-was-any-indication-hold-on-to-your-hats-in-2012.h
## 3 https://www.nytimes.com/2012/01/01/sunday-review/an-imperfect-political-weather-vane.h
## 4 https://www.nytimes.com/2012/01/01/opinion/sunday/sunday-dialogue-will-a-third-party-help.h
## 5 https://www.nytimes.com/2012/01/01/sunday-review/relying-on-the-kindness-of-strangers.h
## 6 https://www.nytimes.com/2012/01/01/opinion/sunday/as-good-as-it-gets-for-the-economy.h
## 7 https://www.nytimes.com/2012/01/01/us/politics/mitt-romney-waxes-poetic-as-he-woos-iowa-voters.h
## 8 https://www.nytimes.com/2012/01/01/education/big-pay-days-in-washington-dc-schools-merit-system.h
## 9 https://www.nytimes.com/interactive/2012/01/01/sunday-review/20120101_Iowa_Caucus.h
## 10 https://www.nytimes.com/2012/01/01/business/from-6-economists-6-ways-to-face-2012-economic-view.h
##
## 1
## 2 Here's hoping the next year br
## 3 A heartland sampler of statistics is presented to reflect the Iowa caucuses' vital, sublim
## 4 A letter writer's call for a centrist third p
## 5 A natural disaster like the tornado that hit Joplin
## 6 There is little in the latest growth spurt to signal an economic recovery going
## 7 The Republican presidential candidat
## 8 In a new system to retain young talent, about 476 teachers received si
## 9 A heartland sampler of statistics is presented to reflect the Iowa caucuses' vital, sublim
## 10 Jobs. Europe. Housing. Health care. The writers of the Economic View column examine
```

```

##      print_page      source
## 1          10 The New York Times
## 2         25A The New York Times
## 3           7 The New York Times
## 4           2 The New York Times
## 5           4 The New York Times
## 6          10 The New York Times
## 7          21 The New York Times
## 8           1 The New York Times
## 9         <NA> The New York Times
## 10          1 The New York Times
##
## 1
## 2
## 3
## 4
## 5 image, image, image, wide, xlarge, thumbnail, images/2012/01/01/opinion/01tornado-img/01tornado-i
## 6
## 7
## 8
## 9
## 10
##
##                                     headline.main
## 1                                     Alison Silber, Eric Lesser
## 2                               If 2011 Was Any Indication, Hold On to Your Hats in 2012
## 3                               An Imperfect Political Weather Vane
## 4                               Sunday Dialogue: Will a Third Party Help?
## 5                               Relying on the Kindness of Strangers
## 6                               As Good as It Gets?
## 7 Romney Quotes His Favorite Patriotic Songs and Offers Voters an Interpretation
## 8                               In Washington, Large Rewards in Teacher Pay
## 9                               An Imperfect Political Weather Vane
## 10                              I Just Got Here, but I Know Trouble When I See It
##
##                                     headline.print_headline
## 1                                     Alison Silber, Eric Lesser
## 2                               If 2011 Was Any Indication, Hold On to Your Hats in 2012
## 3                               An Imperfect Political Weather Vane
## 4                               Sunday Dialogue: Will a Third Party Help?
## 5                               Relying on the Kindness of Strangers
## 6                               As Good as It Gets?
## 7                               Romney Quotes His Favorite Patriotic Songs and Offers Voters an Interpretation
## 8                               In Washington, Large Rewards In Teacher Pay
## 9                               <NA>
## 10 I Just Got Here, But I Know Trouble When I See It: From Six Economists, Six Ways to Confront 2012
##      headline.kicker
## 1          <NA>
## 2          <NA>
## 3      News Analysis
## 4          Letters
## 5      News Analysis
## 6      Editorial
## 7          <NA>
## 8          <NA>
## 9          <NA>

```

```

## 10 Economic View
##
## 1
## 2
## 3
## 4 NA, NA, NA, NA, NA, NA, NA, NA, NA, NA
## 5
## 6 NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, 1, 11, 12, 2, 3, 4, 5, 6, 7, 8, 9
## 7
## 8
## 9
## 10 NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, 1, 11, 2, 3, 4, 5, 6, 7, 8, 9, 10, subject, subject,
##      pub_date document_type      new_desk      section_name
## 1 2012-01-01T00:00:00Z      article      Society Weddings/Celebrations
## 2 2012-01-01T00:00:00Z      article      National      <NA>
## 3 2012-01-01T00:00:00Z      article      SundayReview      <NA>
## 4 2012-01-01T00:00:00Z      article      Letters      Sunday Review
## 5 2012-01-01T00:00:00Z      article      OpEd      <NA>
## 6 2012-01-01T00:00:00Z      article      Editorial      Sunday Review
## 7 2012-01-01T00:00:00Z      article      National      Politics
## 8 2012-01-01T00:00:00Z      article      National      <NA>
## 9 2012-01-01T00:00:00Z      multimedia      Sunday Review      <NA>
## 10 2012-01-01T00:00:00Z      article      NAT      <NA>
##
## 1
## 2
## 3
## 4
## 5
## 6
## 7
## 8
## 9
## 10 By N. GREGORY MANKIW, CHRISTINA D. ROMER; TYLER COWEN; ROBERT H. FRANK; ROBERT J. SHILLER and RICHARD
##      type_of_material      _id word_count score
## 1      News 5404aaf638f0d8119d157430      262      1
## 2      News 5404bdea38f0d8119d157521      2010      1
## 3 An Analysis; News Analysis 5404bd1838f0d8119d157515      241      1
## 4      Letter 5404b68338f0d8119d1574c9      2131      1
## 5 An Analysis; News Analysis 5404abe538f0d8119d157440      1467      1
## 6      Editorial 515db0d3cf28d0219d003360      617      1
## 7      News 5404bbf938f0d8119d15750a      565      1
## 8      News 515db0cbcf28d0219d003354      1268      1
## 9      Interactive Feature 5404c59438f0d8119d15758b      1424      1
## 10      News 5404b8ee38f0d8119d1574ef      2921      1
##
## 1
## 2
## 3
## 4
## 5 News analysis; natural disasters like the tornado that destroyed Joplin, Mo, are magnets for those
## 6      Editorial argues that government aid is required to help the American economy; scores
## 7
## 8      District of Columbia Public S

```

```
## 9
## 10
##
## $response$meta
## $response$meta$hits
## [1] 19
##
## $response$meta$offset
## [1] 0
##
## $response$meta$time
## [1] 3
```

```
Response <- data.frame(Obama$response)
Response
```

```
##
## 1 https://www.nytimes.com/2012/01/01/fashion/weddings/alison-silber-eric-lesser-weddings.h
## 2 https://www.nytimes.com/2012/01/01/us/if-2011-was-any-indication-hold-on-to-your-hats-in-2012.h
## 3 https://www.nytimes.com/2012/01/01/sunday-review/an-imperfect-political-weather-vane.h
## 4 https://www.nytimes.com/2012/01/01/opinion/sunday/sunday-dialogue-will-a-third-party-help.h
## 5 https://www.nytimes.com/2012/01/01/sunday-review/relying-on-the-kindness-of-strangers.h
## 6 https://www.nytimes.com/2012/01/01/opinion/sunday/as-good-as-it-gets-for-the-economy.h
## 7 https://www.nytimes.com/2012/01/01/us/politics/mitt-romney-waxes-poetic-as-he-woos-iowa-voters.h
## 8 https://www.nytimes.com/2012/01/01/education/big-pay-days-in-washington-dc-schools-merit-system.h
## 9 https://www.nytimes.com/interactive/2012/01/01/sunday-review/20120101_Iowa_Caucus.h
## 10 https://www.nytimes.com/2012/01/01/business/from-6-economists-6-ways-to-face-2012-economic-view.h
##
## 1
## 2 Here<U+0092>s hoping the next year br
## 3 A heartland sampler of statistics is presented to reflect the Iowa caucuses<U+0092> vital, sublim
## 4 A letter writer<U+0092>s call for a centrist third p
## 5 A natural disaster like the tornado that hit Joplin
## 6 There is little in the latest growth spurt to signal an economic recovery going
## 7 The Republican presidential candidat
## 8 In a new system to retain young talent, about 476 teachers received si
## 9 A heartland sampler of statistics is presented to reflect the Iowa caucuses<U+0092> vital, sublim
## 10 Jobs. Europe. Housing. Health care. The writers of the Economic View column examine
## docs.print_page docs.source
## 1 10 The New York Times
## 2 25A The New York Times
## 3 7 The New York Times
## 4 2 The New York Times
## 5 4 The New York Times
## 6 10 The New York Times
## 7 21 The New York Times
## 8 1 The New York Times
## 9 <NA> The New York Times
## 10 1 The New York Times
##
## 1
## 2
## 3
## 4
## 5 image, image, image, wide, xlarge, thumbnail, images/2012/01/01/opinion/01tornado-img/01tornado-i
```

```

## 6
## 7
## 8
## 9
## 10
##
##                                     docs.headline.main
## 1                                     Alison Silber, Eric Lesser
## 2                                     If 2011 Was Any Indication, Hold On to Your Hats in 2012
## 3                                     An Imperfect Political Weather Vane
## 4                                     Sunday Dialogue: Will a Third Party Help?
## 5                                     Relying on the Kindness of Strangers
## 6                                     As Good as It Gets?
## 7 Romney Quotes His Favorite Patriotic Songs and Offers Voters an Interpretation
## 8                                     In Washington, Large Rewards in Teacher Pay
## 9                                     An Imperfect Political Weather Vane
## 10                                    I Just Got Here, but I Know Trouble When I See It
##
##                                     docs.headline.print_headline
## 1                                     Alison Silber, Eric Lesser
## 2                                     If 2011 Was Any Indication, Hold On to Your Hats in 2012
## 3                                     An Imperfect Political Weather Vane
## 4                                     Sunday Dialogue: Will a Third Party Help?
## 5                                     Relying on the Kindness of Strangers
## 6                                     As Good as It Gets?
## 7                                     Romney Quotes His Favorite Patriotic Songs and Offers Voters an Interpretation
## 8                                     In Washington, Large Rewards in Teacher Pay
## 9                                     <NA>
## 10 I Just Got Here, But I Know Trouble When I See It: From Six Economists, Six Ways to Confront 2012
## docs.headline.kicker
## 1                                     <NA>
## 2                                     <NA>
## 3                                     News Analysis
## 4                                     Letters
## 5                                     News Analysis
## 6                                     Editorial
## 7                                     <NA>
## 8                                     <NA>
## 9                                     <NA>
## 10                                    Economic View
##
## 1
## 2
## 3
## 4                                     NA, NA, NA, NA, NA, NA, NA, NA, NA, NA
## 5
## 6                                     NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, 1, 11, 12, 2, 3, 4, 5, 6, 7, 8, 9
## 7
## 8
## 9
## 10 NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, 1, 11, 2, 3, 4, 5, 6, 7, 8, 9, 10, subject, subject,
## docs.pub_date docs.document_type docs.new_desk
## 1 2012-01-01T00:00:00Z article Society
## 2 2012-01-01T00:00:00Z article National
## 3 2012-01-01T00:00:00Z article SundayReview
## 4 2012-01-01T00:00:00Z article Letters

```

```

## 5 2012-01-01T00:00:00Z      article      OpEd
## 6 2012-01-01T00:00:00Z      article      Editorial
## 7 2012-01-01T00:00:00Z      article      National
## 8 2012-01-01T00:00:00Z      article      National
## 9 2012-01-01T00:00:00Z      multimedia Sunday Review
## 10 2012-01-01T00:00:00Z     article      NAT
##      docs.section_name
## 1  Weddings/Celebrations
## 2      <NA>
## 3      <NA>
## 4      Sunday Review
## 5      <NA>
## 6      Sunday Review
## 7      Politics
## 8      <NA>
## 9      <NA>
## 10     <NA>
##
## 1
## 2
## 3
## 4
## 5
## 6
## 7
## 8
## 9
## 10 By N. GREGORY MANKIW, CHRISTINA D. ROMER; TYLER COWEN; ROBERT H. FRANK; ROBERT J. SHILLER and RICHARD H. THORP
##      docs.type_of_material      docs._id docs.word_count
## 1      News 5404aaf638f0d8119d157430      262
## 2      News 5404bdea38f0d8119d157521      2010
## 3  An Analysis; News Analysis 5404bd1838f0d8119d157515      241
## 4      Letter 5404b68338f0d8119d1574c9      2131
## 5  An Analysis; News Analysis 5404abe538f0d8119d157440      1467
## 6      Editorial 515db0d3cf28d0219d003360      617
## 7      News 5404bbf938f0d8119d15750a      565
## 8      News 515db0cbcf28d0219d003354      1268
## 9      Interactive Feature 5404c59438f0d8119d15758b      1424
## 10     News 5404b8ee38f0d8119d1574ef      2921
##      docs.score
## 1      1
## 2      1
## 3      1
## 4      1
## 5      1
## 6      1
## 7      1
## 8      1
## 9      1
## 10     1
##
## 1
## 2
## 3

```

By THE

By A.

By

```

## 4
## 5 News analysis; natural disasters like the tornado that destroyed Joplin, Mo, are magnets for those
## 6 Editorial argues that government aid is required to help the American economy; scores
## 7
## 8 District of Columbia Public S
## 9
## 10
## meta.hits meta.offset meta.time
## 1 19 0 3
## 2 19 0 3
## 3 19 0 3
## 4 19 0 3
## 5 19 0 3
## 6 19 0 3
## 7 19 0 3
## 8 19 0 3
## 9 19 0 3
## 10 19 0 3

```