

Package ‘rodham’

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Type Package

Title Fetch Hillary Rodham Clinton's emails

Version 0.1.1

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Description Fetch and process Hillary Rodham Clinton's ``personal" emails.

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LazyData TRUE

Depends R (>= 2.10)

Imports jsonlite,
splitstackshape,
plyr,
methods

RoxygenNote 5.0.1

Suggests testthat,
covr

R topics documented:

edges_emails	1
emails	2
get_emails	3
get_extractor	4
nodes_emails	5
rodham	5
search_emails	6

Index	8
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edges_emails	<i>Network the treacherous</i>
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Description

Builds edge list from emails using from and to, edge source and target respectively.

Usage

```
edges_emails(emails, ...)
```

Arguments

```
emails      Data frame of emails as returned by search\_emails
...         any additional column to keep as meta-data
```

Author(s)

```
John Coene <jcoenep@gmail.com>
```

See Also

```
search\_emails
```

Examples

```
## Not run:
emails <- search_emails()

edges <- edges_emails(emails)

## End(Not run)
```

emails	<i>Hillary Rodham Clinton emails</i>
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Description

A dataset containing 29444 emails from/to Hillary Rodham Clinton sent/received between 2009-08-14 and 2014-08-13.

Usage

```
emails
```

Format

A data frame with 29444 rows and 9 variables:

docID Primary key
docDate Date when document was sent or received
to Who the emails was sent to
from Who the email is received from
originalTo From whom the email originally comes from
originalFrom To whom the email was originally sent to
subject Subject of the email
interesting Rating, relevancy of email
not_interesting Rating, irrelevancy of email

Source

<http://graphics.wsj.com/hillary-clinton-email-documents/api/search.php?subject=&to=&from=&start=&end=&sort=docDate&order=desc&docid=&limit=27159&offset=0>

get_emails	<i>Get emails and its contents</i>
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Description

Get the content of Hillary Rodham Clinton's emails by release.

Usage

```
get_emails(release, save.dir = getwd(), extractor)
```

Arguments

release	Name of the batch of release of emails; see details.
save.dir	Directory where to save the extracted text defaults to getwd()
extractor	Full path to pdf extractor (text to pdf), see details.

Details

Below are the valid values for release. They follow the naming convention of the **WSJ** where each released is named after the period when it was released.

- Benghazi
- June
- July
- August
- September
- October
- November
- January 7
- January 29
- February 19
- february 29
- December
- Non-disclosure

The extractor argument is the full path to your pdftotext extractor; visit [xpdf](#) to download or try [get_extractor](#) which attempts to download and extract the appropriate text to pdf extractor according to your OS.

Author(s)

John Coene <jcoenep@gmail.com>

See Also[get_extractor](#)**Examples**

```
## Not run:
ext <- get_extractor()
# get emails released in august
emails_cuba <- get_emails(release = "August", save.dir = "C:/",
                          extractor = ext)
# use manually downloaded extractor
ext <- "C:/xpdfbin-win-3.04/bin64/pdftotext.exe"
# get emails related to Benghazi released in December
emails_bengh <- get_emails(release = "Benghazi", extractor = ext)

## End(Not run)
```

`get_extractor`*Get pdf to text parser (xpdf)*

Description

Downloads and extracts pdf to text extractor, see details.

Usage

```
get_extractor(dest = "C:/")
```

Arguments

<code>dest</code>	Destination folder defaults to C: /
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Details

If function fails (sorry) you can download the extractor manually from <http://www.foolabs.com/xpdf/>

Author(s)

John Coene <jcoenep@gmail.com>

See Also[get_emails](#)

`nodes_emails`*Build nodes*

Description

Build list of nodes and add meta-data.

Usage

```
nodes_emails(emails)
```

Arguments

`emails` Data frame of emails as returned by [search_emails](#)

Author(s)

John Coene <john.coene@gmail.com>

Examples

```
## Not run:
emails <- search_emails()

nodes <- nodes_emails(emails)

## End(Not run)
```

`rodham`*rodham: Hillary Rodham Clinton emails*

Description

rodham: Hillary Rodham Clinton emails

Dataset

- emailsdataset of 29444 emails

Functions

- [search_emails](#)
- [edges_emails](#)
- [nodes_emails](#)
- [get_emails](#)
- [get_extractor](#)

Examples

```
## Not run:
# get emails from internal data set
data("emails")

# fetch emails from WSJ (avoid doing this)
# emails <- search_emails()

# build graph
edges <- edges_emails(emails)
nodes <- nodes_emails(emails)
g <- igraph::graph.data.frame(edges, vertices = nodes)

plot(g)

# plot communities
cm <- igraph::walktrap.community(g)
plot(g, vertex.color = membership(cm))

# get extractor to get emails
ext <- get_extractor()
# get emails released in august
emails_cuba <- get_emails(release = "August", save.dir = "C:/",
                          extractor = ext)

## End(Not run)
```

search_emails

Search Rodham's emails

Description

Search Hillary Rodham Clinton's *personal* emails.

Usage

```
search_emails(subject = NULL, to = NULL, from = NULL, start = NULL,
              end = NULL, internal = TRUE)
```

Arguments

subject	Filter by subject, defaults to NULL(no filter). If internal = TRUE then matches pattern, if internal = FALSE then looks for exact match.
to	Filter by Receiver, defaults to NULL(no filter).
from	Filter by Sender, defaults to NULL(no filter).
start	Filter by date range, defaults to NULL(no filter).
end	Filter by date range, defaults to NULL(no filter).
internal	if TRUE (default) searches the internal data set (see data(emails)), if FALSE fetches the data through the Wall Street journal API. data(emails) is equivalent to internal TRUE

Details

There are a total of 29444 emails ranging from 2009-08-14 to 2014-08-13, please consider leaving `internal` to `TRUE` to not hammer the Wall Street Journal's API.

Author(s)

John Coene <jcoenep@gmail.com>

Examples

```
## Not run:  
emails <- search_emails()  
  
# only emails on cuba  
emails <- search_emails(subject = "Cuba")  
  
## End(Not run)
```

Index

*Topic **datasets**

emails, [2](#)

edges_emails, [1](#), [5](#)

emails, [2](#)

get_emails, [3](#), [4](#), [5](#)

get_extractor, [3](#), [4](#), [4](#), [5](#)

nodes_emails, [5](#), [5](#)

rodham, [5](#)

rodham-package (rodham), [5](#)

search_emails, [2](#), [5](#), [6](#)