Package: awardFindR (via r-universe)

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Type Package

Title awardFindR

Version 1.0.1

Author Michael C. McCall

Maintainer Michael McCall <mimccall@syr.edu>

Description Queries a number of scientific awards databases. Collects relevant results based on keyword and date parameters, returns list of projects that fit those criteria as a data frame.
Sources include: Arnold Ventures, Carnegie Corp, Federal RePORTER, Gates Foundation, MacArthur Foundation, Mellon Foundation, NEH, NIH, NSF, Open Philanthropy, Open Society Foundations, Rockefeller Foundation, Russell Sage Foundation, Robert Wood Johnson Foundation, Sloan Foundation, Social Science Research Council, John Templeton Foundation, and USASpending.gov.

URL https://github.com/PESData/awardFindR

BugReports https://github.com/PESData/awardFindR/issues

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Encoding UTF-8

LazyData true

Imports rvest, xml2, readr, jsonlite, httr

RoxygenNote 7.3.3

Suggests knitr, rmarkdown, testthat (>= 3.0.0), vcr, covr

VignetteBuilder knitr

Depends R (>= 2.10)

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Contents

create_templeton_df . . . 2
get_arnold . . . 3
get_carnegie . . . 3
get_gates . . . 4
get_macarthur . . . 5
get_mellon . . . 5
get_nih . . . 6
get_nsf . . . 7
get_ophil . . . 7
get_osociety . . . 8
get_rockefeller . . . 9
get_rsf . . . 9
get_rwjf . . . 10
get_sloan . . . 11
get_ssrc . . . 11
get_templeton . . . 12
get_usaspend . . . 13
search_awards . . . 13

Index **15**

`create_templeton_df` *Scrape the Templeton grants database from html to a data.frame*

Description

Scrape the Templeton grants database from html to a data.frame

Usage

```
create_templeton_df(verbose = FALSE)
```

Arguments

`verbose`	enable verbose HTTP messages. TRUE/FALSE, default: false

Value

A data.frame

Examples

```
## Not run: templeton <- create_templeton_df()
```

---

get_arnold *Get Arnold Foundations/Arnold Venture awards*

Description

Get Arnold Foundations/Arnold Venture awards

Usage

```
get_arnold(keyword, from_year, to_year, verbose = FALSE)
```

Arguments

keyword	Keyword to query
from_year	Beginning year to search
to_year	Ending year to search
verbose	enable verbose HTTP messages. TRUE/FALSE, default: false

Value

a data.frame

Examples

```
arnold <- get_arnold("qualitative", 2016, 2017)
```

---

get_carnegie *Search Carnegie awards*

Description

Search Carnegie awards

Usage

```
get_carnegie(keyword, from_year, to_year, verbose = FALSE)
```

Arguments

keyword	Keyword to query
from_year	Beginning year to search
to_year	Ending year to search
verbose	enable verbose HTTP messages. TRUE/FALSE, default: false

Value

a data.frame

Examples

```
## Not run:
carnegie <- get_carnegie("qualitative data", 2016, 2017)

## End(Not run)
```

`get_gates` *Query awards from the Bill & Melinda Gates Foundation*

Description

Query awards from the Bill & Melinda Gates Foundation

Usage

```
get_gates(keyword, from_year, to_year, verbose = FALSE)
```

Arguments

`keyword`	Keyword to query
`from_year`	Beginning year to search
`to_year`	Ending year to search
`verbose`	enable verbose HTTP messages. TRUE/FALSE, default: false

Value

a data.frame

Examples

```
gates <- get_gates("qualitative", 2018, 2020)
```

get_macarthur *Search MacArthur foundation for awards*

Description

Search MacArthur foundation for awards

Usage

```
get_macarthur(keyword, from_year, to_year, verbose = FALSE)
```

Arguments

keyword	Keyword to query
from_year	Beginning year to search
to_year	Ending year to search
verbose	enable verbose HTTP messages. TRUE/FALSE, default: false

Value

a data.frame

Examples

```
## Not run:
macarthur <- get_macarthur("qualitative",
"1999-01-01", "2020-01-01")

## End(Not run)
```

get_mellon *Search the Andrew W. Mellon Foundation grant database*

Description

Search the Andrew W. Mellon Foundation grant database

Usage

```
get_mellon(keyword, from_year, to_year, verbose = FALSE)
```

Arguments

keyword	Keyword to query
from_year	Beginning year to search
to_year	Ending year to search
verbose	enable verbose HTTP messages. TRUE/FALSE, default: false

Value

a data.frame

Examples

```
mellon <- get_mellon("qualitative", 2013, 2021)
```

`get_nih` *Search NIH RePORTER*

Description

Search NIH RePORTER

Usage

```
get_nih(keyword, from_date, to_date, verbose = FALSE, payload = NULL)
```

Arguments

`keyword`	Keyword to query
`from_date`	Date object to begin search
`to_date`	Date object to end search
`verbose`	enable verbose HTTP messages. TRUE/FALSE, default: false
`payload`	A custom NIH search query object. Only for advanced purposes. default: null

Value

a data.frame

Examples

```
nih <- get_nih("ethnography", "2019-01-01", "2019-05-01")
```

get_nsf *Search the NSF API for awards*

Description

Search the NSF API for awards

Usage

```
get_nsf(keyword, from_date, to_date, verbose = FALSE, cfda = NULL)
```

Arguments

keyword	Keyword to query
from_date	Date object to begin search
to_date	Date object to end search
verbose	enable verbose HTTP messages. TRUE/FALSE, default: false
cfda	Comma-separated CFDA codes to include, default: all

Value

A data.frame

Examples

```
nsf <- get_nsf("ethnography", "2020-01-01", "2020-02-01")
```

get_ophil *Grab the Open Philanthropy grants data search for keyword-date combos*

Description

Grab the Open Philanthropy grants data search for keyword-date combos

Usage

```
get_ophil(keyword, from_year, to_year, verbose = FALSE)
```

Arguments

keyword	Keyword to query
from_year	Beginning year to search
to_year	Ending year to search
verbose	enable verbose HTTP messages. TRUE/FALSE, default: false

Value

A data.frame

Examples

```
ophil <- get_ophil("qualitative", 2019, 2020)
```

`get_osociety` *Query and scrape Open Society foundation awards*

Description

Query and scrape Open Society foundation awards

Usage

```
get_osociety(keyword, from_year, to_year, verbose = FALSE)
```

Arguments

`keyword`	Keyword to query
`from_year`	Beginning year to search
`to_year`	Ending year to search
`verbose`	enable verbose HTTP messages. TRUE/FALSE, default: false

Value

a data.frame

Examples

```
osociety <- get_osociety("qualitative", 2016, 2019)
```

get_rockefeller *Search Rockefeller Foundation grants*

Description

Search Rockefeller Foundation grants

Usage

```
get_rockefeller(keyword, from_date, to_date, verbose)
```

Arguments

keyword	Keyword to query
from_date	Date object to begin search
to_date	Date object to end search
verbose	enable verbose HTTP messages. TRUE/FALSE, default: false

Value

a data.frame

Examples

```
## Not run:
rockefeller <- get_rockefeller("test", "2012-01-01", "2021-01-01")

## End(Not run)
```

get_rsf *Get Russell Sage foundation awards*

Description

Get Russell Sage foundation awards

Usage

```
get_rsf(keyword, verbose = FALSE)
```

Arguments

keyword	Keyword to query, single string
verbose	enable verbose HTTP messages. TRUE/FALSE, default: false

Value

a data.frame

Examples

```
## Not run: rsf <- get_rsf("ethnography")
```

`get_rwjf` *Get Robert Wood Johnson foundation awards*

Description

Get Robert Wood Johnson foundation awards

Usage

```
get_rwjf(keyword, from_year, to_year, verbose = FALSE)
```

Arguments

`keyword`	Keyword to query
`from_year`	Beginning year to search
`to_year`	Ending year to search
`verbose`	enable verbose HTTP messages. TRUE/FALSE, default: false

Value

a data.frame

Examples

```
rwjf <- get_rwjf("qualitative data analysis", 2014, 2014)
```

get_sloan *Search for a set of keywords in the Sloan grants database.*

Description

Search for a set of keywords in the Sloan grants database.

Usage

```
get_sloan(keyword, from_year, to_year, verbose = FALSE, grantee = FALSE)
```

Arguments

keyword	Keyword to query
from_year	Beginning year to search
to_year	Ending year to search
verbose	enable verbose HTTP messages. TRUE/FALSE, default: false
grantee	Use the web-based search function instead of an internal grep(), ideal for searching names

Value

A data.frame

Examples

```
## Not run:
sloan <- get_sloan("case studies", 2018, 2020)

## End(Not run)
```

get_ssrc *Search SSRC fellowships and grants by keyword and date Note: API limitations prevent returning more than 1000 results.*

Description

Search SSRC fellowships and grants by keyword and date Note: API limitations prevent returning more than 1000 results.

Usage

```
get_ssrc(keyword, from_year, to_year, verbose = FALSE, totals = FALSE)
```

Arguments

keyword	Keyword to query
from_year	Beginning year to search
to_year	Ending year to search
verbose	enable verbose HTTP messages. TRUE/FALSE, default: false
totals	Only return the total number of results, not a table

Value

a data.frame

Examples

```
## Not run: ssrc <- get_ssrc("qualitative", 2015, 2016)
```

---

get_templeton *Search for a set of keywords in the Templeton grants database.*

Description

Search for a set of keywords in the Templeton grants database.

Usage

```
get_templeton(keywords, from_year, to_year, verbose = FALSE)
```

Arguments

keywords	Vector of strings to search
from_year	Beginning year to search
to_year	Ending year to search
verbose	enable verbose HTTP messages. TRUE/FALSE, default: false

Value

A data.frame

Examples

```
## Not run:
templeton <- get_templeton(c("qualitative data", "case studies"), 2018, 2020)

## End(Not run)
```

get_usaspend *Search the USAspending database*

Description

Search the USAspending database

Usage

```
get_usaspend(keywords, from_date, to_date, verbose)
```

Arguments

keywords	Vector of strings to search
from_date	Date object to begin search
to_date	Date object to end search
verbose	enable verbose HTTP messages. TRUE/FALSE, default: false

Value

a data.frame

Examples

```
## Not run:
results <- usaspend_get(c("qualitative", "interview"),
 "2019-01-01", "2020-01-01")

## End(Not run)
```

search_awards *awardFindR grant search*

Description

Query a collection of online grant databases for awards. These queries can be limited by keyword, source and date terms.

Usage

```
search_awards(
  keywords,
  sources = c("arnold", "carnegie", "gates", "macarthur", "mellon", "nih", "nsf",
   "ophil", "osociety", "rockefeller", "rsf", "rwjf", "sloan", "ssrc", "templeton",
    "usaspend"),
  from_date = "2019-01-01",
  to_date = Sys.Date(),
  verbose = FALSE
)
```

Arguments

keywords	Path to keywords csv file (1 term per line) or vector.
sources	A vector of sources to pull from. Default: all
from_date	A date object to limit the search, defaults to Jan 1 2019
to_date	A date object to limit the search, defaults to today
verbose	enable verbose HTTP messages. TRUE/FALSE, default: false

Value

a data.frame

Examples

```
# Results for "ethnography" from NSF between 1/1 and 2/1 2020
## Not run: awards <- search_awards("ethnography", "nsf",
"2020-01-01", "2020-02-01")
## End(Not run)

# More intensive queries
## Not run:
# Specific keywords, all sources:
specific <- search_awards(keywords=c("ethnography", "case studies"))

# Specific keyword, all sources, specific date range:
five_years <- search_awards(keywords="qualitative",
from_date="2015-01-01", to_date="2020-01-01")

## End(Not run)
```

Index

create_templeton_df, 2

get_arnold, 3
get_carnegie, 3
get_gates, 4
get_macarthur, 5
get_mellon, 5
get_nih, 6
get_nsf, 7
get_ophil, 7
get_osociety, 8
get_rockefeller, 9
get_rsf, 9
get_rwjf, 10
get_sloan, 11
get_ssrc, 11
get_templeton, 12
get_usaspend, 13

search_awards, 13