

Package ‘federalregister’

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Title Client Package for the U.S. Federal Register API

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Imports httr, curl, jsonlite

Description Access data from the Federal Register API <<https://www.federalregister.gov/developers/api/v1>>.

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URL <https://github.com/rOpenGov/federalregister>

BugReports <https://github.com/rOpenGov/federalregister/issues>

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 federalregister-package

Client package for the U.S. Federal Register API

Description

Access United States Federal Register data from R.

Author(s)

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 fr_agencies

Get Federal Register Agency Information

Description

Function to get information about all (the default) or, optionally, a single federal agency listed in the Federal Register

Usage

```
fr_agencies(id=NULL, version='v1', ...)
```

Arguments

| | |
|---------|---|
| id | An optional numeric or character string containing a Federal Register agency identifying number. If NULL (the default), information about all agencies is returned. |
| version | The Federal Register API version. Default is 'v1'. |
| ... | Additional arguments passed to GET . |

Value

A list containing one or more lists of class `fedreg_agency`, which contain details about the agency.

Author(s)

Thomas J. Leeper

Examples

```
## Not run: fr_agencies(538)
## Not run: fr_agencies()
```

`fr_get`*Get Federal Register Metadata*

Description

Function to get metadata for one or more Federal Register Documents

Usage

```
fr_get(docnumber, fields=NULL, version='v1', ...)
```

Arguments

| | |
|------------------------|--|
| <code>docnumber</code> | A character vector containing one or more Federal Register document numbers. |
| <code>fields</code> | A character vector specifying the names of fields to return. See Details. |
| <code>version</code> | The Federal Register API version. Default is 'v1'. |
| <code>...</code> | Additional arguments passed to GET . |

Details

Allowed values for fields are: abstract, abstract_html_url, action, agencies, agency_names, body_html_url, cfr_references, citation, comments_close_on, correction_of, corrections, dates, docket_id, docket_ids, document_number, effective_on, end_page, excerpts, executive_order_notes, executive_order_number, full_text_xml_url, html_url, json_url, mods_url, page_length, pdf_url, president, public_inspection_pdf_url, publication_date, raw_text_url, regulation_id_number_info, regulation_id_numbers, regulations_dot_gov_info, regulations_dot_gov_url, significant, signing_date, start_page, subtype, title, toc_doc, toc_subject, topics, type, volume.

Value

A list containing one or more objects of class `fedreg_document`.

Author(s)

Thomas J. Leeper

Examples

```
## Not run: fr_get("2014-05323")
## Not run: fr_get(c("2014-05323", "2014-09343"))
```

| | |
|-----------|------------------------------------|
| fr_search | <i>Search the Federal Register</i> |
|-----------|------------------------------------|

Description

Function to search for entries in the Federal Register

Usage

```
fr_search(..., fields=NULL, per_page=NULL, page=NULL,
          order='relevance', version='v1', getopts = NULL)
```

Arguments

| | |
|----------|--|
| ... | Named arguments specifying a search query. See Details. |
| fields | A character vector specifying the names of fields to return. See Details. |
| per_page | A numeric value specifying the number of records to return. Default is NULL, which returns 20 results per page. Maximum is 1000. |
| page | A numeric value specifying the page of results to return. |
| order | A character string specifying “relevance” (the default), “newest”, “oldest”, or “executive_order_number”. |
| version | The Federal Register API version. Default is ‘v1’. |
| getopts | Additional arguments passed to GET . |

Details

The ... argument should contain named arguments that together constitute a search query. Allowed named arguments are:

term: any character string which will be searched for.

agencies: a character string specifying a federal agency mentioned in the document; multiple agencies arguments can be specified and only one agency should be named with each. The appropriate character strings for agencies arguments can be retrieved from the API Documentation: <https://www.federalregister.gov/developers/api/v1>.

publication_date: a list containing further named arguments. Allowed values are *is* (exact date; with a date in “YYYY-MM-DD” format), *year* (exact year; with a year in “YYYY” format), *gte* (greater than date; with a date in “YYYY-MM-DD” format), and *lte* (less than date; with a date in “YYYY-MM-DD” format).

effective_date: a list containing further named arguments. See *publication_date*, above.

type: a character string containing “RULE” for a Final Rule, “PRORULE” for a Proposed Rule, “NOTICE” for a Notice, or “PRESDOCU” for a Presidential Document; multiple type arguments can be specified and only one type should be named with each.

presidential_document_type: a character string containing “determination”, “executive_order”, “memorandum”, “notice”, or “proclamation”. Multiple *presidential_document_type* arguments can be specified and only one document type should be named with each.

president: a character string containing the name of the signing President for Presidential document types. One of “william-j-clinton”, “george-w-bush”, or “barack-obama”. Multiple `presidential_document_type` arguments can be specified and only one president should be named with each.

docket_id: a character string containing the agency docket number associated with an article.

regulation_id_number: a character string containing the Regulation ID Number (RIN) associated with an article.

sections: a character string naming a section of the FederalRegister.gov website. Allowed values are: “money”, “environment”, “world”, “science-and-technology”, “business-and-industry”, and “health-and-public-welfare”. Multiple section arguments can be specified and only one section name should be named with each.

significant: a number 0 for a “Deemed significant” or 1 for “not deemed significant”, per EO 12866.

cfr: a list containing further named arguments: `title`, a character string containing a title of the Code of Federal Regulations and, optionally, `part`, a character string specifying a part or part range (eg '17' or '1-50') of the specified CFR title.

near_location: a list containing further named arguments: `location`, a character string containing a zipcode or city and state and `within`, a maximum distance from named location in miles.

Allowed values for fields are: `abstract`, `abstract_html_url`, `action`, `agencies`, `agency_names`, `body_html_url`, `cfr_references`, `citation`, `comments_close_on`, `correction_of`, `corrections`, `dates`, `docket_id`, `docket_ids`, `document_number`, `effective_on`, `end_page`, `excerpts`, `executive_order_notes`, `executive_order_number`, `full_text_xml_url`, `html_url`, `json_url`, `mods_url`, `page_length`, `pdf_url`, `president`, `public_inspection_pdf_url`, `publication_date`, `raw_text_url`, `regulation_id_number_info`, `regulation_id_numbers`, `regulations_dot_gov_info`, `regulations_dot_gov_url`, `significant`, `signing_date`, `start_page`, `subtype`, `title`, `toc_doc`, `toc_subject`, `topics`, `type`, `volume`.

Value

A list containing one or more objects of class `fedreg_document`.

Author(s)

Thomas J. Leeper

Examples

```
## Not run:
fr_search(presidential_document_type='executive_order',
          fields=c('executive_order_number', 'president', 'raw_text_url', 'document_number'),
          per_page=30)

fr_search(term='climate', publication_date=list(gte='2013-01-01',lte='2013-03-31'))

## End(Not run)
```

| | |
|------------|---|
| pi_current | <i>Retrieve Public Inspection Documents</i> |
|------------|---|

Description

Function to retrieve all current Public Inspection Documents

Usage

```
pi_current(version='v1', ...)
```

Arguments

| | |
|---------|--|
| version | The Federal Register API version. Default is 'v1'. |
| ... | Additional arguments passed to GET . |

Details

Retrieve all current Public Inspection Documents, those items available to the public prior to publication in the Federal Register.

Value

A list containing one or more objects of class `fedreg_document`.

Author(s)

Thomas J. Leeper

References

<https://www.federalregister.gov/learn/public-inspection-desk-2>

Examples

```
## Not run: pi_current()
```

pi_get *Get Public Inspection Metadata*

Description

Function to get metadata for one or more Public Inspection Documents

Usage

```
pi_get(docnumber, version='v1', ...)
```

Arguments

| | |
|-----------|--|
| docnumber | A character vector containing one or more Public Inspection Document document numbers. |
| version | The Federal Register API version. Default is 'v1'. |
| ... | Additional arguments passed to GET . |

Value

A list containing one or more objects of class `fedreg_document`.

Author(s)

Thomas J. Leeper

References

<https://www.federalregister.gov/learn/public-inspection-desk-2>

Examples

```
## Not run: pi_get("2014-10067")
## Not run: pi_get(c("2014-10067", "2014-10687"))
```

pi_search *Search Public Inspection Documents*

Description

Function to search for documents under Public Inspection

Usage

```
pi_search(..., fields=NULL, per_page=NULL, page=NULL, version='v1', getopts = NULL)
```

Arguments

| | |
|----------|--|
| ... | Named arguments specifying a search query. See Details. |
| fields | A character vector specifying the names of fields to return. See Details. |
| per_page | A numeric value specifying the number of records to return. Default is NULL, which returns 20 results per page. Maximum is 1000. |
| page | A numeric value specifying the page of results to return. |
| version | The Federal Register API version. Default is 'v1'. |
| getopts | Additional arguments passed to GET . |

Details

The ... argument should contain named arguments that together constitute a search query. Allowed named arguments are:

term: any character string which will be searched for.

agencies: a character string specifying a federal agency mentioned in the document; multiple agencies arguments can be specified and only one agency should be named with each. The appropriate character strings for agencies arguments can be retrieved from the API Documentation: <https://www.federalregister.gov/developers/api/v1>.

type: a character string containing "RULE" for a Final Rule, "PRORULE" for a Proposed Rule, "NOTICE" for a Notice, or "PRESDOCU" for a Presidential Document. Multiple type arguments can be specified and only one type should be named with each.

special_filing: 0 for a regular filing or 1 for a special filing.

docket_id: an agency docket number associated with article.

Allowed values for fields are: agencies, docket_numbers, document_number, editorial_note, excerpts, filed_at, filing_type, html_url, json_url, num_pages, pdf_file_size, pdf_updated_at, pdf_url, publication_date, raw_text_url, title, toc_doc, toc_subject, type.

Value

A list containing one or more objects of class fedreg_document.

Author(s)

Thomas J. Leeper

References

<https://www.federalregister.gov/learn/public-inspection-desk-2>

Examples

```
## Not run:
pi_search(type='RULE', fields=c('document_number', 'raw_text_url'))
pi_search(type='PRESDOC')

## End(Not run)
```

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