

# Package: federalregister (via r-universe)

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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>>.

**License** GPL-2

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

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

**Config/pak/sysreqs** libssl-dev

**Repository** <https://ropengov.r-universe.dev>

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federalregister-package

*Client package for the U.S. Federal Register API*

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**Description**

Access United States Federal Register data from R.

**Author(s)**

Thomas J. Leeper

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fr\_agencies

*Get Federal Register Agency Information*

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**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 <a href="#">GET</a> .

**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 <a href="#">GET</a> .

**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"))
```

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fr_search	<i>Search the Federal Register</i>
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### 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 <a href="#">GET</a> .

### 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)
```

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pi_current	<i>Retrieve Public Inspection Documents</i>
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### 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 <a href="#">GET</a> .

### 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()
```

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pi\_get                      *Get Public Inspection Metadata*

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**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 <a href="#">GET</a> .

**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 <a href="#">GET</a> .

**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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