Package 'fedregs'

October 13, 2022

Type Package

Title Text Analysis of the US Code of Federal Regulations

Version 1.0.0

Description The Code of Federal Regulations (CFR) annual edition is the codification
of the general and permanent rules published in the Federal Register by the departments
and agencies of the Federal Government of the United States of America. Simply, the
'fedregs' package facilitates word processing and sentiment analysis of the CFR using tidy
principles. Note: According to the Code of Federal Regulations XML Rendi-
tion User Guide Document:
``In general, there are no restrictions on re-use of information in Code of Federal Regulations
material because U.S. Government works are not subject to copyright. OFR and GPO do not
restrict downstream uses of Code of Federal Regulations data, except that independent providers
should be aware that only the OFR and GPO are entitled to represent that they are the providers
of the official versions of the Code of Federal Regulations and related Federal Register
publications.''

License GPL-3

BugReports https://github.com/slarge/fedregs/issues

Encoding UTF-8

LazyData true

Depends R (>= 3.1.0),

Imports dplyr (>= 0.7.4), magrittr (>= 1.5), xml2 (>= 1.2.0), purrr(>=
0.2.5), rvest(>= 0.3.2), stringi(>= 1.1.7), httr (>= 1.3.1),
tidyr (>= 1.0.0), tidytext (>= 0.1.9)

Suggests ggplot2 (>= 2.2.1), testthat (>= 2.0.0)

RoxygenNote 6.1.1

NeedsCompilation no

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Repository CRAN

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R topics documented:

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cfr_text   *Extract the Text for a Given Year, Title, Chapter, and Part*

Description

cfr_text returns a tibble of CFR text

Usage

```
cfr_text(year, title_number, chapter, part, token = "words",
  return_tidytext = TRUE, verbose = FALSE, ...)
```

Arguments

year	numeric between 1996 and 2018.
title_number	numeric between 1 and 50.
chapter	numeric or roman numeral.
part	numeric.
token	character. Unit for tokenizing. Currently
return_tidytext	logical. TRUE = tidytext, FALSE = raw data
verbose	logical. Will return "helpful" messages regarding the status of the URL.
...	Extra arguments passed on to tokenizers, such as n and k for "ngrams" and "skip_ngrams"

Details

cfr_text

This function is the main function of the fedregs package. It takes the title, chapter, part, and year and returns a tibble of raw text (return_tidytext = FALSE) or tidytext text (return_tidytext = TRUE). N.b., it has not been extensively tested on titles and chapters other than Title 50 chapter VI and part 648.

Value

a tibble with year, title_number, chapter, part, and text nested by subpart

Examples

```
regs <- cfr_text(year = 2018,
title_number = 50,
chapter = 6,
part = 648,
return_tidytext = TRUE,
token = "words",
verbose = TRUE)
head(regs)
```

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fedregs	fedregs *package*

Description

Text Analysis of the US Code of Federal Regulations

Details

See the README on GitHub

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