

Package ‘retractcheck’

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Title Retraction Scanner

Description Using 'Digital Object Identifiers', check for retracted (or otherwise updated) articles using 'Open Retractions' <<http://openretractions.com>>.

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Encoding UTF-8

LazyData true

ByteCompile true

Imports plyr, textreadr, htr

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Suggests covr

NeedsCompilation no

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check_doi	<i>Check for valid DOI</i>
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Description

This helper function checks whether a DOI is valid. The regular expression is based on the one provided by CrossRef as providing the highest coverage (<https://bit.ly/doi-regex>).

Usage

```
check_doi(doi)
```

Arguments

doi	Digital Object Identifier (string)
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Value

Boolean

Examples

```
check_doi(doi = '10.1002/job.1787')  
check_doi(doi = '10.1111/j.1365-2044.2012.07128.x')
```

construct_or_url	<i>OpenRetractions URL</i>
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Description

Helper function to easily maintain the API calls to <http://openretractions.com>.

Usage

```
construct_or_url(doi)
```

Arguments

doi	Digital Object Identifier (string)
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Value

URL (string)

find_doi	<i>Find DOIs in strings</i>
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Description

Helper function to find DOIs in strings. Can occasionally erroneously extract DOIs (subset of another DOI for example). Regular expression based on CrossRef (<http://bit.ly/doi-regex>; see also [check_doi](#)).

Usage

```
find_doi(strings)
```

Arguments

strings	Vector of strings to check for DOIs
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Value

Vector of DOIs

Examples

```
find_doi('This contains 10.1111/j.1365-2044.2012.07128.x')
```

get_date	<i>Convert timestamp to Date</i>
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Description

Helper function to convert a timestamp from openretractions.com into a date.

Usage

```
get_date(x, database = "or")
```

Arguments

x	Numeric or Character. Numeric timestamp from openretractions.com or character from retractiondatabase.com
database	Character. Abbreviation of the database (either or for openretractions.com, or rw for retractiondatabase.com)

Value

a Date

query_or	Query http://openretractions.com for retractions
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Description

Using the <http://openretractions.com> API, this function checks whether a DOI has been updated, when that update was made, and what type of update was made.

Usage

```
query_or(doi)
```

Arguments

doi Character. A digital object identifier (DOI).

Value

Data frame

Examples

```
query_or('10.1002/job.1787')
```

retractcheck	<i>retractcheck: Retraction scanner</i>
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Description

Using 'Digital Object Identifiers', check for retracted (or otherwise updated) articles using 'Open Retractions' <<http://openretractions.com>>.

Using the <http://openretractions.com> API, this function checks whether a DOI has been updated, when that update was made, and what type of update was made.

Usage

```
retractcheck(dois, database = "or", return = "unique")
```

Arguments

dois	Character. Vector of containing only DOIs
database	Character. Abbreviation of the databases to search (or for openretractions.com). #' and rw for #' retractiondatabase.com). Note that in the absence of an API, #' searching retractiondatabase.com is rather slow.
return	Character. If all, all DOIs are queried and all results are returned; if unique, the DOIs are queried in the order specified until either a correction or retraction notice is found or all databases have been queried.

Value

retractcheck data.frame

Examples

```
retractcheck(c('10.1002/job.1787',
               '10.1111/j.1365-2044.2012.07128.x'))

retractcheck(c('10.1002/job.1787',
               '10.1111/j.1365-2044.2012.07128.x'),
             return = 'all')
```

retractcheck_dir	<i>Check files in directory for retractions</i>
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Description

Check all HTML, DOCX, PDF, and RTF files in a directory for updates to referenced DOIs.

Usage

```
retractcheck_dir(path, ...)
```

Arguments

path	Path to directory to check
...	Arguments passed on to retractcheck
database	Character. Abbreviation of the databases to search (or for openretractions.com). #' and rw for #' retractiondatabase.com). Note that in the absence of an API, #' searching retractiondatabase.com is rather slow.
return	Character. If all, all DOIs are queried and all results are returned; if unique, the DOIs are queried in the order specified until either a correction or retraction notice is found or all databases have been queried.

Value

retractcheck dataframe with filenames

Examples

```
retractcheck_dir(path = '.')
```

retractcheck_docx	<i>Check docx file for retractions</i>
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Description

Check a DOCX file for retractions.

Usage

```
retractcheck_docx(path, ...)
```

Arguments

path Path to DOCX file to check

... Arguments passed on to retractcheck

database Character. Abbreviation of the databases to search (or for openretractions.com). # #' and rw for # #' retractiondatabase.com). Note that in the absence of an API, # #' searching retractiondatabase.com is rather slow.

return Character. If all, all DOIs are queried and all results are returned; if unique, the DOIs are queried in the order specified until either a correction or retraction notice is found or all databases have been queried.

Value

retractcheck dataframe without filenames

Examples

```
retractcheck_docx(system.file("extdata", "manuscript.docx", package = "retractcheck"))
```

retractcheck_html *Check html file for retractions*

Description

Check a html file for retractions.

Usage

```
retractcheck_html(path, ...)
```

Arguments

path Path to html file to check

... Arguments passed on to retractcheck

database Character. Abbreviation of the databases to search (or for openretractions.com). # #' and rw for # #' retractiondatabase.com). Note that in the absence of an API, # #' searching retractiondatabase.com is rather slow.

return Character. If all, all DOIs are queried and all results are returned; if unique, the DOIs are queried in the order specified until either a correction or retraction notice is found or all databases have been queried.

Value

[retractcheck](#) dataframe without filenames

Examples

```
retractcheck_html(system.file("extdata", "manuscript.html", package = "retractcheck"))
```

retractcheck_pdf *Check pdf file for retractions*

Description

Check a pdf file for retractions.

Usage

```
retractcheck_pdf(path, ...)
```

Arguments

path Path to pdf file to check

... Arguments passed on to retractcheck

database Character. Abbreviation of the databases to search (or for openretractions.com). # #' and rw for # #' retractiondatabase.com). Note that in the absence of an API, # #' searching retractiondatabase.com is rather slow.

return Character. If all, all DOIs are queried and all results are returned; if unique, the DOIs are queried in the order specified until either a correction or retraction notice is found or all databases have been queried.

Value

retractcheck dataframe without filenames

Examples

```
retractcheck_pdf(system.file("extdata", "manuscript.pdf", package = "retractcheck"))
```

retractcheck_rtf *Check rtf file for retractions*

Description

Check a rtf file for retractions.

Usage

```
retractcheck_rtf(path, ...)
```

Arguments

path Path to rtf file to check

... Arguments passed on to retractcheck

database Character. Abbreviation of the databases to search (or for openretractions.com). # #' and rw for # #' retractiondatabase.com). Note that in the absence of an API, # #' searching retractiondatabase.com is rather slow.

return Character. If all, all DOIs are queried and all results are returned; if unique, the DOIs are queried in the order specified until either a correction or retraction notice is found or all databases have been queried.

Value

retractcheck dataframe without filenames

Examples

```
retractcheck_rtf(system.file("extdata", "manuscript.rtf", package = "retractcheck"))
```

retractcheck_txt	<i>Check txt file for retractions</i>
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Description

Check a txt file for retractions.

Usage

```
retractcheck_txt(path, ...)
```

Arguments

path Path to txt file to check

... Arguments passed on to retractcheck

database Character. Abbreviation of the databases to search (or for openretractions.com). #' and rw for #' retractiondatabase.com). Note that in the absence of an API, #' searching retractiondatabase.com is rather slow.

return Character. If all, all DOIs are queried and all results are returned; if unique, the DOIs are queried in the order specified until either a correction or retraction notice is found or all databases have been queried.

Value

[retractcheck](#) dataframe without filenames

Examples

```
retractcheck_txt(system.file("extdata", "manuscript.txt", package = "retractcheck"))
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