Index 10

---

### check_doi

**Check for valid DOI**

**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](https://bit.ly/doi-regex)).

**Usage**

```python
check_doi(doi)
```

**Arguments**

- **doi**
  
  Digital Object Identifier (string)

**Value**

Boolean

**Examples**

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

---

### construct_or_url

**OpenRetractions URL**

**Description**

Helper function to easily maintain the API calls to [http://openretractions.com](http://openretractions.com).

**Usage**

```python
construct_or_url(doi)
```

**Arguments**

- **doi**
  
  Digital Object Identifier (string)

**Value**

URL (string)
find_doi

Find DOIs in strings

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

Value
Vector of DOIs

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

get_date
Convert timestamp to Date

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

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

retractcheck: Retraction scanner

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

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

Arguments

- **dois**: Character. Vector of containing only DOIs
- **database**: Character. Abbreviation of the databases to search (or for openretractions.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

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

retractcheck_dir

**Check files in directory for retractions**

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). 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

```r
retractcheck_dir(path = ".")
```

---

### retractcheck_docx

*Check docx file for retractions*

**Description**

Check a DOCX file for retractions.

**Usage**

```r
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**

```r
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

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

---

**retractcheck_rtf**  
*Check rtf file for retractions*

Description

Check a rtf file for retractions.

Usage

```r
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

Check txt file for retractions

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). # # 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"))
Index

check_doi, 2, 3
construct_or_url, 2
find_doi, 3
get_date, 3
query_or, 4
retractcheck, 4, 5–9
retractcheck-package (retractcheck), 4
retractcheck_dir, 5
retractcheck_docx, 6
retractcheck_html, 7
retractcheck_pdf, 7
retractcheck_rtf, 8
retractcheck_txt, 9