Package: JournalAnalysis (via r-universe)

October 13, 2026

Title Explore and Identify Journals to Publish in

Version 0.2.0

Description A package for exploring and identifying the best journals in which to publish a paper.

Depends R (>= 4.0)

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Encoding UTF-8

LazyData true

URL https://github.com/vallenderlab/JournalAnalysis, https://sdhutchins.r-universe.dev/JournalAnalysis

BugReports https://github.com/vallenderlab/JournalAnalysis/issues

Imports dplyr, europepmc, rlang, tibble, PubMedWordcloud, stringr

Suggests knitr, rmarkdown, devtools, testthat (>= 3.0.0)

VignetteBuilder knitr

RoxygenNote 7.3.3

Config/testthat/edition 3

Config/pak/sysreqs make libicu-dev libxml2-dev libssl-dev

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`example_queries` *Example Europe PMC queries for package vignettes.*

Description

Example Europe PMC queries for package vignettes.

Usage

```
query1

query2

query3
```

Format

A character string containing a Europe PMC advanced search query.

An object of class `character` of length 1.

An object of class `character` of length 1.

An object of class `character` of length 1.

`get_article_data` *Get Article Data*

Description

This function retrieves article data from europe pmc.

Usage

```
get_article_data(
  queries,
  limit = 7500,
  min_year = NULL,
  max_year = NULL,
  min_citations = 5,
  n_cores = default_worker_count()
)
```

Arguments

queries	Input a Europe PMC query
limit	Minimum number of articles to retrieve
min_year	Minimum publication year
max_year	Maximum publication year
min_citations	Minimum number of citations per article
n_cores	Number of cores to use across multiple queries.

Value

A tibble of the article data

---

get_journal_data *Get Journal Data*

Description

This function retrieves journal data from an existing data file.

Usage

```
get_journal_data(data = "incities")
```

Arguments

data	A bundled journal source. Use ‘incities‘ (InCites / JCR) or ‘scimago‘. The aliases ‘incites‘, ‘jcr‘, and ‘scimagojr‘ are also accepted.

Value

A tibble of the journal data.

get_publication_data *Get Publication Data*

Description

This function uses a journal source to combine data based on queries.

Usage

```
get_publication_data(
  journal_source,
  queries,
  limit = 7500,
  min_year = NULL,
  max_year = NULL,
  min_citations = 5,
  n_cores = default_worker_count()
)
```

Arguments

journal_source	Journal metrics source: 'incities' (InCites / JCR) or 'scimago'. Aliases 'incites', 'jcr', and 'scimagojr' are also accepted.
queries	Use one or multiple queries
limit	A minimum number of articles
min_year	Minimum year to search
max_year	Maximum year to search
min_citations	Minimum number of citations in a journal
n_cores	Number of cores to use across multiple queries.

Value

A list of data objects including journals, articles, and combined data.

get_unique_issns *Get Unique ISSNs*

Description

This function filters ISSNs.

Usage

```
get_unique_issns(issns)
```

Arguments

issns	The issns from the articles

Value

A tibble of filtered issns

---

get_word_cloud *Get Word Cloud*

Description

This function imports a list of pubmed ids and creates a word cloud.

Usage

```
get_word_cloud(pubmed_ids, plot_name)
```

Arguments

pubmed_ids	A list of pubmed ids
plot_name	Path to the output word cloud

---

install_journalanalysis_packages *Install JournalAnalysis Packages*

Description

This function helps user to install packages used in this package

Usage

```
install_journalanalysis_packages()
```

issn_to_article_data *ISSN to Article Data*

Description

This function filters article data by ISSN.

Usage

```
issn_to_article_data(data, issns)
```

Arguments

data	The data tibble of the articles
issns	The issns from the articles

Value

A tibble of the articles filtered by ISSNs

issn_to_journal_data *ISSN to Journal Data*

Description

This function retrieves journal data from an existing data file.

Usage

```
issn_to_journal_data(data, issns)
```

Arguments

data	The data source of the journal
issns	The issns from the journal source

Value

A tibble of the data filtered by ISSN

jcr2023_wos *InCites Journal Citation Reports via Web of Science (2023)*

Description

Journal-level metrics from a 2023 InCites / Journal Citation Reports export. Used by [get_journal_data()] when ‘data = "incities"‘. The aliases ‘incites‘ and ‘jcr‘ refer to the same bundled dataset.

Usage

```
jcr2023_wos
```

Format

‘jcr2023_wos‘ A data frame with 21,848 rows and 10 columns:

journal_name Journal title from the source export.

issn Print ISSN.

e_issn Electronic ISSN.

category One or more JCR subject categories.

edition Indexed Web of Science edition tags.

total_citations Total citations in the 2023 source export.

impact_factor_2023 2023 Journal Impact Factor.

jif_quartile Journal Impact Factor quartile.

jci_2023 2023 Journal Citation Indicator.

percent_oa_gold Percent gold open access.

Source

<https://raw.githubusercontent.com/bjorn-heilagi/journal-citation-reports-wos/refs/heads/main/datasets/jcr_2023_wos.csv> accessed 2026-06-10.

save_as_csv *Save as CSV*

Description

This function saves a tibble or dataframe as a csv file.

Usage

```
save_as_csv(data, filename)
```

Arguments

`data`	The dataframe or tibble
`filename`	Name or path of output file without .csv extension

`scimagojr2025` *SCImago Journal & Country Rank (2025)*

Description

Journal-level metrics from SCImago Journal & Country Rank for 2025. Used by [get_journal_data()] when ‘data = "scimago"‘ or ‘data = "scimagojr"‘.

Usage

```
scimagojr2025
```

Format

‘scimagojr2025‘ A data frame with 32,193 rows and 25 columns:

Rank SCImago rank from the source export.

Sourceid SCImago source identifier.

Title Journal title, with underscores replaced by spaces.

Type Publication type, such as journal or book series.

Issn ISSN string from the source export.

Publisher Publisher name.

Open.Access Open access flag from the source export.

Open.Access.Diamond Diamond open access flag.

SJR SCImago Journal Rank indicator.

SJR.Best.Quartile Best quartile (Q1-Q4).

H.index H-index.

Total.Docs...2025. Documents published in 2025.

Total.Docs...3years. Documents in the prior three years.

Total.Refs. Total references.

Total.Citations..3years. Citations in the prior three years.

Citable.Docs...3years. Citable documents in the prior three years.

Citations...Doc...2years. Citations per document, two-year window.

Ref....Doc. References per document.

X.Female Percent female authorship from the source export.

Overton Overton indicator from the source export.

Country Country of publication.

Region World region.

Coverage Source coverage years.

Categories Subject categories assigned by SCImago.

Areas Broad subject areas assigned by SCImago.

Source

Local source file 'data/scimagojr_2025.csv', accessed 2026-06-10 from <https://www.scimagojr.com/journalrank.php>.

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