

Package: rdryad (via r-universe)

November 27, 2024

Type Package

Title Access for Dryad Web Services

Description Interface to the Dryad "Solr" API, their "OAI-PMH" service, and fetch datasets. Dryad (<<https://datadryad.org/>>) is a curated host of data underlying scientific publications.

Version 1.0.1.95

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URL <https://docs.ropensci.org/rdryad>,
<https://github.com/ropensci/rdryad>

BugReports <https://github.com/ropensci/rdryad/issues>

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Imports crul, curl, tibble, hoardr, zip, jsonlite, mime

Suggests testthat, vcr

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Repository <https://ropensci.r-universe.dev>

RemoteUrl <https://github.com/ropensci/rdryad>

RemoteRef master

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rdryad-package	<i>Interface to the Dryad Web services</i>
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Description

Includes access to Dryad's Solr API, OAI-PMH service, and part of their REST API.

Package API

The functions match the three major sets of Dryad API routes for datasets, files and versions.

Datasets:

- [dryad_dataset\(\)](#)
- [dryad_datasets\(\)](#)
- [dryad_dataset_versions\(\)](#)

Files:

- [dryad_files\(\)](#)
- [dryad_files_download\(\)](#)

Versions:

- [dryad_versions\(\)](#)
- [dryad_versions_files\(\)](#)
- [dryad_versions_download\(\)](#)

Defunct

The Dryad Solr API is no longer being updated, so the functions that used to work with it are all defunct, see [solr-defunct](#)

The Dryad OAI-PMH service is no longer being updated, so the functions that used to work with it are all defunct, see [oai-defunct](#)

More defunct functions:

- [dryad_metadata\(\)](#)
- [dryad_package_dois\(\)](#)
- [handle2doi\(\)](#)
- [doi2handle\(\)](#)
- [dryad_files\(\)](#)
- [dryad_fetch\(\)](#) - use instead [dryad_files_download\(\)](#) or [dryad_versions_download\(\)](#)

dryad_dataset	<i>Get datasets by DOI(s)</i>
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Description

Get datasets by DOI(s)

Usage

```
dryad_dataset(dois, ...)
```

Arguments

`dois` (character) one or more DOIs, required
`...` Further args passed on to [crul::verb-GET](#)

Value

a list of lists, each named by the input DOI

See Also

Other dryad-datasets: [dryad_dataset_versions\(\)](#), [dryad_datasets\(\)](#)

Examples

```
## Not run:  
dryad_dataset(doi = "10.5061/dryad.f385721n")  
dois <- c("10.5061/dryad.f385721n", "10.5061/dryad.7ct1n", "10.5061/dryad.1g626")  
dryad_dataset(dois = dois)  
  
## End(Not run)
```

dryad_datasets	<i>List datasets</i>
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Description

List datasets

Usage

```
dryad_datasets(...)
```

Arguments

... Named key-value sequence of parameters passed to Dryad query such as "page" (number), or "per_page".

Value

a tibble

See Also

Other dryad-datasets: [dryad_dataset_versions\(\)](#), [dryad_dataset\(\)](#)

Examples

```
## Not run:  
(x <- dryad_datasets())  
x$meta  
x$links  
x$data  
x <- dryad_datasets(per_page = 50, page = 7)  
  
## End(Not run)
```

`dryad_dataset_versions`

Get dataset versions by DOI(s)

Description

Get dataset versions by DOI(s)

Usage

```
dryad_dataset_versions(dois, ...)
```

Arguments

`dois` (character) one or more DOIs, required
... Further args passed on to [crul::verb-GET](#)

Value

a list of lists, each named by the input DOI

See Also

Other dryad-datasets: [dryad_datasets\(\)](#), [dryad_dataset\(\)](#)

Examples

```
## Not run:
x = dryad_dataset_versions(dois = "10.5061/dryad.f385721n")
x
dois <- c("10.5061/dryad.f385721n", "10.5061/dryad.7ct1n", "10.5061/dryad.1g626")
dryad_dataset_versions(dois = dois)

## End(Not run)
```

<code>dryad_download</code>	<code>dryad_download</code>
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Description

Download datasets by their DOI(s)

Usage

```
dryad_download(dois, ...)
```

Arguments

<code>dois</code>	(character) one or more DOIs, required
<code>...</code>	Further args passed on to crul::verb-GET

Value

file path for the file

Examples

```
## Not run:
dryad_download(dois = "10.5061/dryad.f385721n")
dois <- c("10.5061/dryad.f385721n", "10.5061/dryad.7ct1n", "10.5061/dryad.1g626")
dryad_download(dois = dois)

## End(Not run)
```

dryad_files	<i>Get metadata information about a file</i>
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Description

Get metadata information about a file

Usage

```
dryad_files(ids, ...)
```

Arguments

ids	(numeric) one or more file ids, required
...	Further args passed on to crul::verb-GET

Value

a list of lists, each named by the input DOI

See Also

Other dryad-files: [dryad_files_download\(\)](#)

Examples

```
## Not run:  
dryad_files(ids = 61859)  
dryad_files(ids = 61858)  
dryad_files(ids = c(61858, 61859))  
  
## End(Not run)
```

dryad_files_download	<i>Download a specific file</i>
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Description

Download a specific file

Usage

```
dryad_files_download(ids, ...)
```

Arguments

ids (numeric) one or more file ids, required
... Further args passed on to [curl::verb-GET](#)

Value

a list of lists, each named by the input DOI

Note

UPDATE: we used to not use caching in this fxn; we do now as of 2020-12-15

See Also

Other dryad-files: [dryad_files\(\)](#)

Examples

```
## Not run:  
dryad_files_download(ids = 61858)  
dryad_files_download(ids = 61859)  
  
## End(Not run)
```

dryad_get_cache *Get 'rdryad' cache data as a **hoardr** object*

Description

Used primarily to modify the cache directory and set with [dryad_set_cache](#).

Usage

```
dryad_get_cache()
```

Value

A **hoardr** object defining the cache directory.

dryad_set_cache	<i>Set the 'rdryad' cache by passing a hoardr object defining cache data including local path.</i>
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Description

Set the 'rdryad' cache by passing a **hoardr** object defining cache data including local path.

Usage

```
dryad_set_cache(obj)
```

Arguments

obj A **hoardr** object returned from [dryad_get_cache](#).

Value

(Invisibly) The update cache object.

versions	<i>Get a dataset version by version ID</i>
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Description

Get a dataset version by version ID

Usage

```
dryad_versions(ids, ...)
dryad_versions_files(ids, ...)
dryad_versions_download(ids, ...)
```

Arguments

ids (numeric/integer) one or more version ids, required
 ... Further args passed on to [crul::verb-GET](#)

Details

`dryad_versions()` and `dryad_versions_files()` use async http requests, while `dryad_versions_download()` does not use async

Value

a list of lists, each named by the input DOI

Examples

```
## Not run:  
dryad_versions(ids = 18774)  
dryad_versions_files(ids = 18774)  
dryad_versions_download(ids = 18774)
```

```
## End(Not run)
```

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