

Package: rdryad (via r-universe)

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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 1.0.1.098

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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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Contents

rdryad-package	2
dryad_dataset	3
dryad_dataset_versions	4
dryad_datasets	4

dryad_download	5
dryad_files	6
dryad_files_download	7
dryad_get_cache	7
dryad_set_cache	8
versions	8

Index 10

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The Dryad Solr API is no longer being updated, so the functions that used to work with it are all defunct, see [solr-defunct](#)

The Dryad OAI-PMH service is no longer being updated, so the functions that used to work with it are all defunct, see [oai-defunct](#)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

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See Also

Useful links:

- <https://docs.ropensci.org/rdryad>
- <https://github.com/ropensci/rdryad>
- Report bugs at <https://github.com/ropensci/rdryad/issues>

dryad_dataset

Get datasets by DOI(s)

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_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_dataset\(\)](#), [dryad_datasets\(\)](#)

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)
```

dryad_datasets

List datasets

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\(\)](#), [dryad_dataset_versions\(\)](#)

Examples

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

## End(Not run)
```

`dryad_download`

`dryad_download`

Description

Download datasets by their DOI(s)

Usage

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

Arguments

dois (character) one or more DOIs, required

... 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`

Get metadata information about a file

Description

Get metadata information about a file

Usage

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

Arguments

<code>ids</code>	(numeric) one or more file ids, required
<code>...</code>	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` *Download a specific file*

Description

Download a specific file

Usage

```
dryad_files_download(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

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)
```

Index

- * **dryad-datasets**
 - [dryad_dataset](#), [3](#)
 - [dryad_dataset_versions](#), [4](#)
 - [dryad_datasets](#), [4](#)
- * **dryad-files**
 - [dryad_files](#), [6](#)
 - [dryad_files_download](#), [7](#)
- [crul::verb-GET](#), [3–8](#)
- [doi2handle\(\)](#), [2](#)
- [dryad_dataset](#), [3](#)
- [dryad_dataset\(\)](#), [2](#), [4](#), [5](#)
- [dryad_dataset_versions](#), [4](#)
- [dryad_dataset_versions\(\)](#), [2](#), [3](#), [5](#)
- [dryad_datasets](#), [4](#)
- [dryad_datasets\(\)](#), [2–4](#)
- [dryad_download](#), [5](#)
- [dryad_fetch\(\)](#), [2](#)
- [dryad_files](#), [6](#)
- [dryad_files\(\)](#), [2](#), [7](#)
- [dryad_files_download](#), [7](#)
- [dryad_files_download\(\)](#), [2](#), [6](#)
- [dryad_get_cache](#), [7](#), [8](#)
- [dryad_metadata\(\)](#), [2](#)
- [dryad_package_dois\(\)](#), [2](#)
- [dryad_set_cache](#), [7](#), [8](#)
- [dryad_versions \(versions\)](#), [8](#)
- [dryad_versions\(\)](#), [2](#)
- [dryad_versions_download \(versions\)](#), [8](#)
- [dryad_versions_download\(\)](#), [2](#)
- [dryad_versions_files \(versions\)](#), [8](#)
- [dryad_versions_files\(\)](#), [2](#)
- [handle2doi\(\)](#), [2](#)
- [oai-defunct](#), [2](#)
- [rdryad \(rdryad-package\)](#), [2](#)
- [rdryad-package](#), [2](#)
- [solr-defunct](#), [2](#)
- [versions](#), [8](#)