

Package ‘rdryad’

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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 1.0.0

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

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

Encoding UTF-8

Language en-US

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

Suggests testthat, vcr

RoxygenNote 7.1.0

NeedsCompilation no

Author Karthik Ram [aut] (ORCID: <<https://orcid.org/0000-0002-0233-1757>>),
Scott Chamberlain [aut, cre] (ORCID:
<<https://orcid.org/0000-0003-1444-9135>>),
Carl Boettiger [aut] (ORCID: <<https://orcid.org/0000-0002-1642-628X>>)

Maintainer Scott Chamberlain <myrmecocystus@gmail.com>

Repository CRAN

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The Dryad Solr API is no longer being updated, so the functions that used to work with it are all defunct, see [solr-defunct](#)

The Dryad OAI-PMH service is no longer being updated, so the functions that used to work with it are all defunct, see [oai-defunct](#)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

...	Further args passed on to crul::verb-GET
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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  
  
## 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>	<i><code>dryad_download</code></i>
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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)
```

<code>dryad_files</code>	<i>Get metadata information about a file</i>
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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)
```

<code>dryad_files_download</code>	<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 [crul::verb-GET](#)

Value

a list of lists, each named by the input DOI

Note

there's no use of cached files here because we can't determine what the file path will be before making the request, which requires knowing what the data type the file will be

See Also

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

Examples

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

## End(Not run)
```

versions

Get a dataset version by version ID

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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