Package 'rdryad'

October 14, 2022

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

License MIT + file LICENSE

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

Maintainer Scott Chamberlain <myrmecocystus@gmail.com>

Repository CRAN

Date/Publication 2020-06-25 06:00:02 UTC

R topics documented:

---

rdryad-package   *Interface to the Dryad Web services*

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The Dryad Solr API is no longer being updated, so the functions that used to work with it are all defunct, see solr-defunct

The Dryad OAI-PMH service is no longer being updated, so the functions that used to work with it are all defunct, see oai-defunct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 *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_datasets *List datasets*

Description

List datasets

Usage

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

Arguments

...	Further args passed on to [crul::verb-GET](#)

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)
```

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

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   *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

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)
```

Index