

# Package: rdryad (via r-universe)

October 28, 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

**License** MIT + file LICENSE

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

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

**Roxygen** list(markdown = TRUE)

**Encoding** UTF-8

**Language** en-US

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

**Suggests** testthat, vcr

**RoxygenNote** 7.2.0

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

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

**RemoteRef** master

**RemoteSha** 526a982821c8d8888e3a2d18800822de55673b5b

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The Dryad Solr API is no longer being updated, so the functions that used to work with it are all defunct, see [solr-defunct](#)

The Dryad OAI-PMH service is no longer being updated, so the functions that used to work with it are all defunct, see [oai-defunct](#)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

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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)
```

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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)*

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**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)
```

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<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 <a href="#">crul::verb-GET</a>

**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*

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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`      *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.

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dryad_set_cache	<i>Set the 'rdryad' cache by passing a <b>hoardr</b> 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.

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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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