

Package ‘fgeo.x’

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Title Access Small ForestGEO Datasets For Examples

Version 1.1.4

Description Access small example datasets from Luquillo, a ForestGEO site in Puerto Rico (<<https://forestgeo.si.edu/sites/north-america/luquillo>>).

License GPL-3

URL <https://github.com/forestgeo/fgeo.x>

BugReports <https://github.com/forestgeo/fgeo.x/issues>

Depends R (>= 3.2)

Imports memoise (>= 1.1.0), utils

Suggests spelling (>= 2.1), testthat (>= 2.1.1)

Encoding UTF-8

Language en-US

LazyData true

RoxygenNote 6.1.1

NeedsCompilation no

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datasets	<i>Access data via <code>library(fgeo.x)</code> or <code>fgeo.x::<dataset-name></code>.</i>
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Description

These are small datasets for examples, with no value for research. They have been adapted from the package [fgeo.data](#).

See Also

Other datasets: [download_data](#), [example_path](#)

Examples

```
str(elevation)
str(habitat)
str(stem5)
str(stem6)
str(tree5)
str(tree6)
str(tree6_3species)
str(vft_4quad)
```

download_data	<i>Access data stored online.</i>
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Description

Access data stored online.

Usage

```
download_data(x, destfile = NULL)
```

Arguments

x	A string giving the name of the dataset to download. The name of any dataset listed here (without the extension).
destfile	a character string (or vector, see <code>url</code>) with the name where the downloaded file is saved. Tilde-expansion is performed.

Value

A dataset.

See Also

[utils::download.file\(\)](#)

Other datasets: [datasets](#), [example_path](#)

Examples

```
# Not running CRAN checks (may take longer than the allowed run time limit)

# Defaults to read data
# The first call is memoised
system.time(download_data("unique_id"))
# Subsequent calls use the memoised data, so takes no time
system.time(download_data("unique_id"))

download_data("unique_id")

# Can download data to a destination file given by `destfile`
tmp <- tempfile()
download_data("unique_id", destfile = tmp)
load(tmp)
unique_id

available_data <- "https://github.com/forestgeo/fgeo.data/tree/master/data"
if (interactive()) browseURL(available_data)
```

example_path	<i>Access data stored in system files.</i>
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Description

example_path() mostly wraps system.file(..., package = "fgeo.x").

Usage

```
example_path(path = NULL)
```

Arguments

path Name of file or directory. If NULL, the example files and directories will be listed.

Value

A character string.

See Also

Other datasets: [datasets](#), [download_data](#)

Examples

```
example_path()  
dir(example_path("rdata"))  
example_path("taxa.csv")  
str(read.csv(example_path("taxa.csv")))
```

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