

# Package ‘fgeo.x’

October 13, 2022

**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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**Repository** CRAN

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| datasets | <i>Access data via library(fgeo.x) or fgeo.x::&lt;dataset-name&gt;.</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)
```

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|               |                                   |
|---------------|-----------------------------------|
| 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 <a href="#">here</a> (without the extension).        |
| destfile | a character string (or vector, see <a href="#">url</a> ) 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)
```

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|--------------|--|
| 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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