

Package ‘wiad’

October 12, 2022

Type Package

Title Wood Image Analysis and Dataset

Version 0.0.1.0

Date 2021-02-10

Description Providing a user-friendly interface to digitize wood imagery such as tree ring scans. The package offers a web-based application that the user can run locally from their computers to analyze wood characteristics.

Encoding UTF-8

LazyData true

License AGPL-3

RoxygenNote 7.1.0

Imports abind, data.table, shiny, dplyr, DT

Suggests dplyr, imager, jsonlite, jpeg, png, plotly, shinyFiles, shinyjs, shinythemes, raster, rgdal, readr, readxl, sp, testthat, tiff, tibble, tools, zoo

NeedsCompilation no

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getExampleData	<i>Downloads and installs the WIAD Example Dataset</i>
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Description

The WIAD Example Dataset can be downloaded from https://wiad.science/WIAD_ExampleData.zip. This function downloads and extracts the WIAD Example Dataset in the package folder.

Usage

```
getExampleData(mode = "install", downloadPath = tempdir(), installPath = "")
```

Arguments

mode	"install" (default), "update" or "remove"
downloadPath	custom location to temporarily store WIAD example dataset while downloading. Default: tempdir()
installPath	custom location to place WIAD example dataset. Default: WIAD package directory

Value

No return value

Launch	<i>Launch WIAD interface</i>
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Description

This function launches the app by opening the default web browser.

Usage

```
Launch(archiveDir = "./WIAD_ARCHIVE/", Interactive = FALSE)
```

Arguments

archiveDir	path to the archive directory
Interactive	logical variable to force an interactive session

Value

No return value, this should be run in an interactive R session

Examples

```
#Launch WIAD interface  
wiad::Launch()
```

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