

Package ‘wiad’

February 12, 2021

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

Author Bijan Seyednasrollah [aut, cre, cph],
Tim Rademacher [aut, cph, wdc],
David Basler [aut, cph, wdc]

Maintainer Bijan Seyednasrollah <bijan.s.nasr@gmail.com>

Repository CRAN

Date/Publication 2021-02-12 10:30:02 UTC

R topics documented:

getExampleData 2
Launch 2

Index 4

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

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>
--------	------------------------------

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()
```

Index

`getExampleData`, [2](#)

`Launch`, [2](#)