Package 'Holomics'

June 7, 2024

Type Package

Title An User-Friendly R 'shiny' Application for Multi-Omics Data
Integration and Analysis

Version 1.1.1

Description A 'shiny' application, which allows you to perform single- and
multi-omics analyses using your own omics datasets. After the upload
of the omics datasets and a metadata file, single-omics is performed
for feature selection and dataset reduction. These datasets are used
for pairwise- and multi-omics analyses, where automatic tuning is
done to identify correlations between the datasets - the end goal
of the recommended 'Holomics' workflow.
Methods used in the package were implemented in the package 'mixomics'
by Florian Rohart,Benoît Gautier,Amrit Singh,Kim-
Anh Lê Cao (2017) <doi:10.1371/journal.pcbi.1005752>
and are described there in further detail.

License GPL (>= 3)

URL https://github.com/MolinLab/Holomics

BugReports https://github.com/MolinLab/Holomics/issues

Depends R (>= 4.0)

Imports bs4Dash (>= 2.0.2), config, dplyr, DT, ggplot2, golem, igraph,
openxlsx, readxl, shiny (>= 1.6.0), shinyalert, shinybusy,
shinyjs, shinyvalidate, shinyWidgets, stringr, tippy,
visNetwork, mixOmics, BiocParallel, markdown, ggrepel,
matrixStats, RSpectra, reshape2, tidyr, uuid

Suggests bookdown, knitr, rmarkdown, badger

VignetteBuilder knitr

Encoding UTF-8

Language en-US

RoxygenNote 7.1.2

NeedsCompilation no

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Repository CRAN

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run_app   *Run the Shiny Application*

Description

Run the Shiny Application

Usage

```
run_app(
  onStart = NULL,
  options = list(),
  enableBookmarking = NULL,
  uiPattern = "/",
  ...
)
```

Arguments

onStart   A function that will be called before the app is actually run. This is only needed
                 for shinyAppObj, since in the shinyAppDir case, a global.R file can be used
                 for this purpose.

options   Named options that should be passed to the runApp call (these can be any of
                 the following: "port", "launch.browser", "host", "quiet", "display.mode" and
                 "test.mode"). You can also specify width and height parameters which pro-
                 vide a hint to the embedding environment about the ideal height/width for the
                 app.

enableBookmarking

                 Can be one of "url", "server", or "disable". The default value, NULL, will re-
                 spect the setting from any previous calls to enableBookmarking(). See enableBookmarking()
                 for more information on bookmarking your app.

uiPattern   A regular expression that will be applied to each GET request to determine whether
the ui should be used to handle the request. Note that the entire request path
must match the regular expression in order for the match to be considered suc-
cessful.

...   arguments to pass to golem_opts. See '?golem::get_golem_options' for more
details.

Value

No return value, called to start the Shiny application

Examples

```
## Not run:
# Start app in the current working directory
run_app()

## End(Not run)
```

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