Package 'PERK'

July 21, 2025

Title Predicting Environmental Concentration and Risk

Version 0.0.9.2

Description A Shiny Web Application to predict and visualize concentrations of pharmaceuticals in the aqueous environment.
Jagadeesan K., Barden R. and Kasprzyk-Hordern B. (2022) <https://www.ssrn.com/abstract=4306129>.

License GPL (>= 3)

URL https://github.com/jkkishore85/PERK/,
https://jkkishore85.github.io/PERK/

BugReports https://github.com/jkkishore85/PERK/issues

Depends bs4Dash, DT, shiny, stats, tibble, utils

Imports colourpicker, config (>= 0.3.1), dplyr, forcats, ggplot2,
golem (>= 0.3.3), grDevices, magrittr, plotly, readr, shinyjs,
shinyWidgets, tidyr, tools, viridis, zoo

Suggests knitr, rmarkdown

VignetteBuilder knitr

Encoding UTF-8

Language en-US

RoxygenNote 7.2.3

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

Opens up the in-built Shiny App.

Examples

```
if (interactive()) {
run_app()
}
```

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