Package ‘kesernetwork’

October 13, 2022

Title Visualization of the KESER Network

Version 0.1.0

Description A shiny app to visualize the knowledge networks for the code concepts. Using co-occurrence matrices of EHR codes from Veterans Affairs (VA) and Massachusetts General Brigham (MGB), the knowledge extraction via sparse embedding regression (KESER) algorithm was used to construct knowledge networks for the code concepts. Background and details about the method can be found at Chuan et al. (2021) <doi:10.1038/s41746-021-00519-z>.

License GPL (>= 3)

Imports config (>= 0.3.1), data.table, dplyr, DT, ggplot2, golem (>= 0.3.1), plotly, reactable, rintrojs, rlang, shinydashboard, shinydashboardPlus, shinyhelper, shinyWidgets, stringr, visNetwork, yaml

Encoding UTF-8

RoxygenNote 7.1.1

URL https://github.com/celehs/kesernetwork

BugReports https://github.com/celehs/kesernetwork/issues

Depends R (>= 3.5.0), shinyBS, shiny, htmltools

Suggests rmarkdown, knitr, shinytest, testthat (>= 3.0.0)

VignetteBuilder knitr

Config/testthat/edition 3

NeedsCompilation no

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Repository CRAN

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**Description**

Run the Shiny Application

**Usage**

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

**Arguments**

- **Rdata_path**  
  path to Rdata files.

- **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 provide 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 respect 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 successful.

- **...**  
  arguments to pass to `golem_opts`. See `?golem::get_golem_options` for more details.
run_app

**Value**

A shiny application.

**Examples**

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