

Package ‘idcnrba’

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Title Interactive Application for Analyzing Representativeness and Nonresponse Bias

Version 1.0.0

Description Provides access to the Idea Data Center (IDC) application for conducting nonresponse bias analysis (NRBA). The IDC NRBA app is an interactive, browser-based Shiny application that can be used to analyze survey data with respect to response rates, representativeness, and nonresponse bias. This app provides a user-friendly interface to statistical methods implemented by the 'nrba' package. Krenzke, Van de Kerckhove, and Mohadjer (2005) <http://www.asasrms.org/Proceedings/y2005/files/JSM2005-000572.pdf> and Lohr and Riddles (2016) <https://www150.statcan.gc.ca/n1/en/pub/12-001-x/2016002/article/14677-eng.pdf?st=q7PyNsGR> provide an overview of the statistical methods implemented in the application.

License GPL (>= 3)

Encoding UTF-8

RoxygenNote 7.2.3

Imports nrba (>= 0.2.0), dplyr, rmarkdown, shiny, stats, markdown, flexdashboard, shinyjs, htmlwidgets, DT (>= 0.28), tibble, survey (>= 4.1-1), srvyr, haven, readr, openxlsx, base64enc, miniUI (>= 0.1.1), rstudioapi (>= 0.5)

Suggests knitr, testthat (>= 3.0.0)

Config/testthat/edition 3

Depends R (>= 4.1.0)

NeedsCompilation no

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launch_app	<i>Launch the IDC NRBA application</i>
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Description

Launches an interactive application for conducting nonresponse bias analysis.

Usage

```
launch_app(maxRequestSize = 50, debug = FALSE, shiny.server = FALSE)
```

Arguments

maxRequestSize	Number defining the maximum allowed filesize (in megabytes) for uploaded files, defaults to 50MB
debug	Logical value. If debug = TRUE, then tracing output will be displayed in the R console so that the user can see the values being passed between the R session running the application and the browser displaying the application.
shiny.server	Setting this parameter to TRUE will return the app in the form of an object rather than invoking it. This is useful for deploying this app via shiny-server.

Details

The application is a graphical user interface developed using the *shiny* and *rmarkdown* frameworks. This application requires Pandoc to be installed. If the application is run from within RStudio, then Pandoc should automatically be available, as Pandoc is bundled with RStudio installations.

Value

Launches an interactive Shiny app; the function does not return a value.

Examples

```
if (interactive()) {
  launch_app()
}
```

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