

# Package: idcnrba (via r-universe)

October 8, 2026

**Title** Interactive Application for Analyzing Representativeness and Nonresponse Bias

**Version** 1.1.0

**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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**Config/pak/sysreqs** cmake make libicu-dev libuv1-dev libx11-dev zlib1g-dev

**Repository** <https://westat-schneider.r-universe.dev>

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**RemoteUrl** <https://github.com/cran/idcnrba>

**RemoteRef** HEAD

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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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