

Package ‘PolisheR’

July 21, 2025

Title Interfacing 'NaileR' with 'Shiny'

Version 1.1.1

Description A very small package for more convenient use of 'NaileR'. You provide a data set containing a latent variable you want to understand. It generates a description and an interpretation of this latent variable using a Large Language Model. For perceptual data, it describes the stimuli used in the experiment.

License GPL (>= 2)

Encoding UTF-8

RoxygenNote 7.3.2

Imports dplyr, NaileR, shiny, shinycssloaders, FactoMineR, stringr

Depends R (>= 4.1.0)

Suggests SensoMineR

NeedsCompilation no

Author Sébastien Lê [aut, cre] (ORCID:
<<https://orcid.org/0000-0001-8814-6714>>)

Maintainer Sébastien Lê <sebastien.le@institut-agro.fr>

Repository CRAN

Date/Publication 2025-07-14 12:30:02 UTC

Contents

shiny_nail_catdes	2
shiny_nail_condes	2
shiny_nail_qda	3
Index	5

shiny_nail_catdes	<i>Shiny app principale</i>
-------------------	-----------------------------

Description

Shiny app principale

Usage

```
shiny_nail_catdes(dataset)
```

Arguments

dataset	A data frame containing at least one categorical variable (factor).
---------	---

Value

Launches a Shiny web application.

shiny_nail_condes	<i>Launch a Shiny app for interpreting a (latent) continuous variable</i>
-------------------	---

Description

This function launches a Shiny app for interpreting a (latent) continuous variable with the 'Nailer' package.

Usage

```
shiny_nail_condes(dataset)
```

Arguments

dataset	A data frame containing the continuous variable to be analyzed.
---------	---

Value

This function does not return a value; it launches a Shiny app.

Examples

```

if(interactive()){
  # Processing time is often longer than ten seconds
  # because the function uses a large language model.

  library(FactoMineR)
  library(stringr)
  library(NaileR)
  data(beard_cont)

  res_ca_beard <- FactoMineR::CA(beard_cont, graph = FALSE)

  beard_work <- res_ca_beard$row$coord |> as.data.frame()
  beard_work <- beard_work[,1] |> cbind(beard_cont)

  intro_beard <- "These data refer to 8 types of beards.
  Each beard was evaluated by 62 assessors."
  intro_beard <- gsub('\n', ' ', intro_beard) |>
  stringr::str_squish()

  req_beard <- "Please explain what differentiates beards
  on both sides of the scale.
  Then, give the scale a name."
  req_beard <- gsub('\n', ' ', req_beard) |>
  stringr::str_squish()

  shiny_nail_condes(beard_work)
}

```

shiny_nail_qda	<i>Launch a Shiny app for analyzing Quantitative Descriptive Analysis data (QDA)</i>
----------------	--

Description

This function launches a Shiny app for analyzing QDA data with the 'Nailer' package. The app allows users to explore and analyze their QDA dataset.

Usage

```
shiny_nail_qda(dataset)
```

Arguments

dataset A data frame containing the data to be analyzed.

Value

This function does not return a value; it launches a Shiny app.

Examples

```
if(interactive()){  
  # Processing time is often longer than ten seconds  
  # because the function uses a large language model.  
  
  library(SensoMineR)  
  data(chocolates)  
  shiny_nail_qda(sensochoc)  
}
```

Index

shiny_nail_catdes, [2](#)
shiny_nail_condes, [2](#)
shiny_nail_qda, [3](#)