# Package 'PolisheR'

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**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

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## Contents

## shiny_nail_catdes *Shiny app principale*

### 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 *Launch a Shiny app for interpreting a (latent) continuous variable*

### 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)

}
```

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`shiny_nail_qda` *Launch a Shiny app for analyzing Quantitative Descriptive Analysis data (QDA)*

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## 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)

}
```

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