Package 'dropR'

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Title Analyze Drop Out of an Experiment or Survey

Description Drop out analysis for psychologists in a R based web application. Shiny is used to visualize and analyze drop outs tailored to the methods of online survey methodology. Concept and app presented at the SCIP Conference in Long Beach, California.

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Author Matthias Bannert [aut, cre], Ulf-Dietrich Reips [aut]

Maintainer Matthias Bannert <bannert@kof.ethz.ch>

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Imports plyr,shiny

License GPL-2

LazyData true

NeedsCompilation no

Repository CRAN

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R topics documented:

compute_shares_remain *Compute the Share of Remaining Participants*

Description

Compute the share of remaining participant per question.

Usage

```
compute_shares_remain(df, drop_out_pos, number_of_questions)
```

Arguments

df	a data.frame
drop_out_pos	drop out position
number_of_questions	integer number of questions

compute_xsq *Compute Chisq test for a list*

Description

Compute chisq given a list of data.frames

Usage

```
compute_xsq(li, pos, participants, sel)
```

Arguments

li	a list
pos	integer position within the respective data.frane
participants	known integer
sel	integer position in th result table

dropout *Dropout in a random dataset*

Description

A random dataset that mimmicks a survey or experiment with dropout.

Usage

```
dropout
```

Format

A data.frame with 1000 observations and 12 variables

qXX question

group experimental condition ...

Source

A random dataset.

extract_drop_out_from_df *Extract Drop Out from a Data.Frame*

Description

Find drop in Data.frame that contains multiple questions that had been asked sequentially.

Usage

```
extract_drop_out_from_df(df, q_pos)
```

Arguments

df	a data.frame
q_pos	columns that contain questions

Examples

```
data(dropout)
dropout$pos <- extract_drop_out_from_df(dropout,2:10)
dropout$pos
```

find_drop_out *Find the Position of Drop Out in a Vector*

Description

Check consecutive NAs from backend of a vector.

Usage

```
find_drop_out(v, clnms)
```

Arguments

v	a vector
clnms	specify the parts that actually hold questions by character names.

get_odds *Compute Odds From Probabilities*

Description

Compute odds from probabilities. The function is vectorized and can handle a vector of probabilities.

Usage

```
get_odds(p)
```

Arguments

p	vector of probabilities. May not be larger than 1 or smaller than zero.

Examples

```
get_odds(.8) # 4
```

lineChartOutput *Show Line Chart Output on a HTML canvas*

Description

create a HTML SVG Line Chart Output using NVD3.js This function should be called from ui.R in a shiny web application.

Usage

```
lineChartOutput(inputId, width = "100%", height = "400px")
```

Arguments

inputId	input identifier for the output function, i.e. name of the list element in shiny.
width	defaults to 100%.
height	defaults to 400px.

renderLineChart *Render a line Chart in shiny*

Description

This function renders a line chart and should be called from server.R in a shiny application.

Usage

```
renderLineChart(expr, env = parent.frame(), quoted = FALSE)
```

Arguments

expr	an expression to rendered
env	environment, defaults to parent.frame().
quoted	logical, defaults to FALSE.

`startDropR` *Start the DropR Shiny App*

Description

Starts the interactive web application to use dropR in your web browser. Make sure to use Google Chrome or Firefox for best experience.

Usage

```
startDropR()
```

Examples

```
## Not run: startdropR()
```

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