

Package: DCEmgmt (via r-universe)

October 8, 2024

Title DCE Data Reshaping and Processing

Version 0.0.1

Description Prepare the results of a DCE to be analysed through choice models. 'DCEmgmt' reshapes DCE data from wide to long format considering the special characteristics of a DCE. 'DCEmgmt' includes the function 'DCEestm' which estimates choice models once the database has been reshaped with 'DCEmgmt'.

License GPL-3

Encoding UTF-8

LazyData true

RoxygenNote 7.1.2

Depends R (>= 3.5.0)

Suggests knitr, rmarkdown, stats

VignetteBuilder knitr

Imports mlogit (>= 1.0-2), survival

NeedsCompilation no

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Repository CRAN

Date/Publication 2021-10-26 08:40:02 UTC

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data	<i>Survey data from the DCE in Consumers' preferences and WTP for personalised nutrition (https://doi.org/10.1007/s40258-021-00647-3)</i>
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Description

Survey data from the DCE in Consumers' preferences and WTP for personalised nutrition (<https://doi.org/10.1007/s40258-021-00647-3>)

Usage

```
data(survey)
```

Format

An object of class `tbl_df` (inherits from `tbl`, `data.frame`) with 242 rows and 21 columns.

Source

doi: [10.1007/s40258021006473](https://doi.org/10.1007/s40258021006473)DOI

References

Perez-Troncoso et al. (2021) Applied Health Economics and Health Policy 19, 757-767 ([PubMed](#))

Examples

```
data <- data(survey)
```

data.c	<i>Coded dataset</i>
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Description

Coded dataset

Usage

```
data(data.c)
```

Format

An object of class `data.frame` with 3744 rows and 20 columns.

Sourcedoi: [10.1007/s40258021006473](https://doi.org/10.1007/s40258021006473)**References**Perez-Troncoso et al. (2021) Applied Health Economics and Health Policy 19, 757-767 ([PubMed](#))**Examples**

```
data. <- data(data.c)
```

DCEmgmt

DCEmgmt function

Description

Prepare the results of a DCE to be analysed through choice models.

Usage

```
DCEmgmt(data, droprow, keepvar, create.id, blocks, sets, alts, options, design)
```

Arguments

<code>data</code>	Data.frame with the survey data in wide data format. See 'data(survey)'
<code>droprow</code>	Rows to be deleted. Specify a single row (<code>droprow = x</code>) or more than one (<code>drop-down = x:y</code>).
<code>keepvar</code>	Select the case-specific variables to be kept. For example: <code>keepvar = c("x", "y")</code> .
<code>create.id</code>	Create a variable called "id" with a unique identifier per respondent. <code>create.id = TRUE</code>
<code>blocks</code>	Specifies the variables designating each choice set block. Each choice set variable must be named as a letter (for instance Q) followed by a number (starting by 1). Thus, the first block of choice sets can be named Q1, Q2, Q3, Q4 whereas the second can be called F5, F6, F7, F8. In this case, <code>block = c("Q", "F")</code> . If there is only one block, <code>block = c("Q")</code> .
<code>sets</code>	Specify the number of choice sets per block. If there is only one block, specify the total number of choice sets. For instance, <code>sets = 8</code> .
<code>alts</code>	Specify the number of alternatives per choice set. For example, <code>alts = 3</code> .
<code>options</code>	Vector indicating the string used to designate the choice. For example, <code>option = c("Option A", "Option B", "Option C")</code> . See examples.
<code>design</code>	Data frame with the design matrix in dummy or effects coding. PONER EJEMPLO

Examples

```
data(survey)
data(design)

data.c<-DCEmgmt(data = data,
  droprow = 1:5,
  keepvar = c("age", "height"),
  create.id = TRUE,
  blocks = c("B1_", "B2_"),
  sets = 8,
  alts = 2,
  options = c("Prefiero el servicio A", "Prefiero el servicio B"),
  design = design)
```

```
#The data frame data.c contains the coded DCE data
```

design	<i>Design matrix from the DCE in Consumers' preferences and WTP for personalised nutrition (https://doi.org/10.1007/s40258-021-00647-3)</i>
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Description

Design matrix from the DCE in Consumers' preferences and WTP for personalised nutrition (<https://doi.org/10.1007/s40258-021-00647-3>)

Usage

```
data(design)
```

Format

An object of class `tbl_df` (inherits from `tbl`, `data.frame`) with 32 rows and 14 columns.

Source

doi: [10.1007/s40258021006473](https://doi.org/10.1007/s40258021006473)

References

Perez-Troncoso et al. (2021) Applied Health Economics and Health Policy 19, 757-767 ([PubMed](#))

Examples

```
design <- data(design)
```

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