Package 'crftools'

April 26, 2017

Title Tools for Creating, Editing, and Managing Case Report Forms of AsanCPT

Version 0.3.1

Date 2017-04-21

Description This package contains various features including comparing CRF and data dictionary and ploting pharmacokinetic data

Depends R (>= 3.3.2)

Encoding UTF-8

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LazyData true

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Imports dplyr, tidyr, xlsx

NeedsCompilation no

URL https://github.com/asancpt/crftools

BugReports https://github.com/asancpt/crftools/issues

RoxygenNote 6.0.1

R topics documented:

`crfdic` *Compare variable names between CRF and data dictionary*

Description

`crfdic` uses CRF-derived csv file and a data dictionary excel to compare variable names of each file

Usage

```
crfdic(CRFcsv, Dictionaryxlsx, FocusCol = NULL)
```

Arguments

CRFcsv	A filename of CRF csv file, exported from PDFCRF
Dictionaryxlsx	A filename of data dictionary xlsx file mandatorily containing tabs of List, SUFFIX, EXCEPT
FocusCol	Column name of data dictionary which focuses analysis

Value

List of output data of comparison of variables between a CRF-derived csv file and a data dictionary

Examples

```
## Not run:
crfdic(CRFcsv = "foo.csv", Dictionaryxlsx = "foo.xlsx", Focus = NULL)

## End(Not run)
```

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ggnca *ggplot for pharmacokinetic concentration-time curve*

Description

This draws pharmacokinetic concentration-time curve with ggplot2 packages.

Usage

```
ggnca(concData, colSubj = "Subject", colTime = "Time", colConc = "conc")
```

Arguments

concData	concentration data table
colSubj	column name for subject ID
colTime	column name for time
colConc	column name for concentration

Value

ggplot2 figures

Examples

```
ggnca(concData = Theoph, colSubj = "Subject", colTime = "Time", colConc = "conc")
```

meansdcv *Combining mean, standard deviation and coefficient of variation*

Description

This function combines mean, standard deviation and coefficient of variation to create reporting tables. This requires ‘dplyr‘ package.

Usage

```
meansdcv(x)
```

Arguments

x	numeric vector

Examples

```
library(dplyr)
tabNCA(Theoph, dose=500, concUnit="mg/L") %>%
  as.data.frame() %>%
  summarise_all(meansdcv)
```

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