Package 'AdverseEvents'

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Title 'shiny' Application for Adverse Event Analysis of 'OnCore' Data

Version 0.0.2

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Description An application for analysis of Adverse Events, as described in Chen, et al., (2023) <doi:10.3390/cancers15092521>.
The required data for the application includes demographics, follow up, adverse event, drug administration and optional tumor measurement data.
The app can produce swimmers plots of adverse events, Kaplan-Meier plots and Cox Proportional Hazards model results
for the association of adverse event biomarkers and overall survival and progression free survival.
The adverse event biomarkers include occurrence of grade 3, low grade (1-2), and treatment related adverse events.
Plots and tables of results are downloadable.

License GPL-3

Encoding UTF-8

VignetteBuilder knitr

Suggests knitr, rmarkdown

RoxygenNote 7.3.2

Imports shiny, shinycssloaders, shinyjs, tidyverse, rio, janitor, DT,
skimr, ggpubr, ggnewscale, survival, survminer, ggplot2,
shinythemes, ggrepel, lubridate

NeedsCompilation no

Repository CRAN

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Contents

resp_code_transform   *Convert RECIST response code*

Description

Convert RECIST response code

Usage

```
resp_code_transform(
  data = NULL,
  response_col = NULL,
  new_col = response_col,
  key = c("1" = "Baseline (BL)",
          "2" = "Not Evaluable (NE)",
          "3" = "Stable Disease (SD)",
          "4" = "Partial Response (PR)",
          "5" = "Complete Response (CR)",
          "6" = "Progressive Disease (PD)")
)
```

Arguments

data	A dataframe object that includes the column of interest to convert.
response_col	A string. The column name of the column to convert.
new_col	A string. The new column name of the converted response column. Defaults to original response column name.
key	A named vector key on how to convert the response IDs.

Value

Dataframe.

Examples

```
df <- data.frame(SampleID = c("A","B","C","D","E","F"),
Response = c("1","2","3","4","5","6"))
resp_code_transform(df,"Response", new_col = "Response_New")
```

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runAEapp   *Run Adverse Events App*

Description

Run Adverse Events App

Usage

```
runAEapp(launch.browser = TRUE)
```

Arguments

launch.browser   Boolean logic to launch application in browser. Default to TRUE.

Value

An R Shiny Application.

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