Package ‘clitable’

May 8, 2026

Type Package

Title Render Tables in Text for the Terminal

Version 0.1.0

Description Render tables in text format in the terminal
using ANSI strings thanks to the 'cli' and 'crayon' packages.

License GPL (>= 3)

URL https://github.com/kforner/clitable

BugReports https://github.com/kforner/clitable/issues

Imports cli, crayon, grDevices, utils

Suggests devtools, testthat

Config/testthat/edition 3

Encoding UTF-8

RoxygenNote 7.3.2

NeedsCompilation no

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Depends R (>= 4.1.0)

Repository CRAN

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Contents

clitable-package *clitable: Render Tables in Text for the Terminal*

Description

Render tables in text format in the terminal using ANSI strings thanks to the 'cli' and 'crayon' packages.

Features

- can display any ansi string (without end of lines) content
- multiple table border styles: single, double, single-double, double-single, classic
- can display heatmaps
- can highlight rows
- can display NAs with custom style
- few dependencies: only `crayon` and `cli`

Author(s)

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See Also

Useful links:

- https://github.com/kforner/clitable
- Report bugs at https://github.com/kforner/clitable/issues

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cli_table *generates a text table*

Description

generates a text table

Usage

```
cli_table(
  mat,
  header = TRUE,
  header_style = NULL,
  border_style = "single",
  heatmap_columns = NULL,
  heatmap_colorspace = c("green", "red"),
```

```
  hilite_rows = NULL,
  hilite_style = "bgRed",
  NA_style = NULL,
  ...
)
```

Arguments

mat	the table content to print, can be a data.frame or a matrix
header	whether to use the row names as table headers
header_style	the (crayon) style to use to print the headers (cf crayon::style()
border_style	the style to use for the table borders, one of single, double, single-double, double-single, classic
heatmap_columns	the columns that should be displayed as heatmaps, as a vector of column indices, names or logicals
heatmap_colorspace	the colorspace to use for the heatmaps, to be passed to grDevices::colorRamp()
hilite_rows	the rows to highlight, as a vector of column indices, names or logicals
hilite_style	the (crayon) style to use to highlight the rows (cf crayon::style()
NA_style	the (crayon) style to use to highlight the NA values (cf crayon::style()
...	Arguments passed on to scale_numeric x the numeric vector to scale xmin the minimum value used for the scaling. all all x < xmin are set to 0 xmax the maximum value used for the scaling. all x > xmax set to 1

Value

the lines of the text table as an ansi_string vector

Examples

```
df <- head(datasets::penguins, 20)
ct <- cli_table(df, header_style = "bold",
  NA_style = "strikethrough",
  heatmap_columns = list("flipper_len"), xmin = 180, xmax = 200,
  hilite_rows = !is.na(df$sex) & df$sex == "female" & df$bill_dep >= 19,
  hilite_style = "bgGreen"
)
cat(ct, sep = "\n")
```

demo *a function to demo the clitable package*

Description

a function to demo the clitable package

Usage

```
demo()
```

Value

nothing

Examples

```
demo()
```

scale_numeric *scales a numeric vector*

Description

scales a numeric vector

Usage

```
scale_numeric(x, xmin = min(x, na.rm = TRUE), xmax = max(x, na.rm = TRUE))
```

Arguments

x	the numeric vector to scale
xmin	the minimum value used for the scaling. all all x < xmin are set to 0
xmax	the maximum value used for the scaling. all x > xmax set to 1

Value

a numeric vector of the same length as x, with all values between 0 and 1, except for NAs which are unchanged

Examples

```
x <- c(0.1, 100, -2.5, 20, 78.2, NA)
scaled <- scale_numeric(x)
all(is.na(scaled) | (scaled >= 0 & scaled <= 1))
```

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