

# Package ‘clitable’

October 15, 2025

**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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clitable-package	<i>clitable: Render Tables in Text for the Terminal</i>
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### 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)

**Maintainer:** Karl Forner <karl.forner@gmail.com> [copyright holder]

### See Also

Useful links:

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

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cli_table	<i>generates a text table</i>
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### Description

generates a text table

### Usage

```
cli_table(
  mat,
  header = TRUE,
  header_style = NULL,
  border_style = "single",
  heatmap_columns = NULL,
  heatmap_colospace = 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 <a href="#">crayon::style()</a> )
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_colospace	the colorspace to use for the heatmaps, to be passed to <a href="#">grDevices::colorRamp()</a>
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 <a href="#">crayon::style()</a> )
NA_style	the (crayon) style to use to highlight the NA values (cf <a href="#">crayon::style()</a> )
...	Arguments passed on to <a href="#">scale_numeric</a>
	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")

```

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demo	<i>a function to demo the clitable package</i>
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**Description**

a function to demo the clitable package

**Usage**

```
demo()
```

**Value**

nothing

**Examples**

```
demo()
```

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scale_numeric	<i>scales a numeric vector</i>
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**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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