

Package ‘spark’

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Title Sparklines in the 'R' Terminal

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Description A sparkline is a line chart, without axes and labels.
Its goal is to show the general shape of changes over time, or another quantity. This package is an 'R' implementation of the original shell project: <<http://zachholman.com/spark/>>.

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LazyData true

URL <https://github.com/gaborcsardi/spark>

BugReports <https://github.com/gaborcsardi/spark/issues>

Imports magrittr, utils

Suggests crayon, testthat

NeedsCompilation no

Repository CRAN

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spark	<i>Generic spark line method for matrices or data frames, etc.</i>
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Description

Generic spark line method for matrices or data frames, etc.

Usage

```
spark(data, width = c("data", "auto", "screen"), print = TRUE, ...)
```

Arguments

data	The data to plot.
width	The width (number of characters) of the output. ‘data’ means that it will match the length of the data. ‘screen’ means that it will be scaled to match the width of the screen. ‘auto’ means ‘data’ if the length of the data is not longer than the screen width, and ‘screen’ otherwise.
print	Whether to show the result on the screen. (If FALSE, it will be only returned.)
...	Additional arguments to the various methods.

Value

Character vector containing the spark line(s).

See Also

Other spark: [spark.default](#); [spark.matrix](#)

spark.default	<i>Spark line of a numeric vector on the terminal</i>
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Description

For marking the minimum/maximum, the crayon package is needed.

Usage

```
## Default S3 method:
spark(data, width = c("data", "auto", "screen"),
      print = TRUE, min = NULL, max = NULL, ...)
```

Arguments

data	The data to visualize. It can be a numeric vector, or anything that can be cut into intervals with cut. Infinite values in numeric data are ignored, and a black character is plotted instead of them.
width	The width (number of characters) of the output. 'data' means that it will match the length of the data. 'screen' means that it will be scaled to match the width of the screen. 'auto' means 'data' if the length of the data is not longer than the screen width, and 'screen' otherwise.
print	Whether to show the result on the screen. (If FALSE, it will be only returned.)
min	If not NULL, then a crayon style to mark the minimum value.
max	If not NULL, then a crayon style to mark the maximum value.
...	Not used, it is an error if given.

Value

Character scalar containing the spark line.

See Also

Other spark: [spark.matrix](#); [spark](#)

Examples

```
## Annual number of Lynx trappings
spark(lynx, width = "auto")

## Luteinizing Hormone in Blood Samples,
## in blue, if the terminal supports it
cat(crayon::blue(spark(lh, print = FALSE)), "\n")
```

spark.matrix	<i>Spark lines for rows of a matrix.</i>
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Description

Spark lines for rows of a matrix.

Usage

```
## S3 method for class 'matrix'
spark(data, width = c("data", "auto", "screen"),
      print = TRUE, common_scale = TRUE, ...)
```

Arguments

<code>data</code>	The matrix to plot.
<code>width</code>	The width (number of characters) of the output. ‘data’ means that it will match the length of the data. ‘screen’ means that it will be scaled to match the width of the screen. ‘auto’ means ‘data’ if the length of the data is not longer than the screen width, and ‘screen’ otherwise.
<code>print</code>	Whether to show the result on the screen. (If FALSE, it will be only returned.)
<code>common_scale</code>	Whether to plot all rows on a common scale. If FALSE, then all rows will have their own scales.
<code>...</code>	Passed to <code>spark.default</code> . E.g. it can be used to mark the minimum and/or maximum values.

Value

Character scalar containing the spark line.

See Also

Other spark: [spark.default](#); [spark](#)

Examples

```
spark(volcano)
```

```
spark(t(EuStockMarkets), width="auto", common_scale = FALSE)
```

sparklines

Sparklines in the R terminal

Description

Sparklines in the R terminal

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