Package ‘ggflowchart’

May 11, 2023

Title Flowcharts with 'ggplot2'
Version 1.0.0
Description Flowcharts can be a useful way to visualise complex processes. This package uses the layered grammar of graphics of 'ggplot2' to create simple flowcharts.
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Encoding UTF-8
Depends R (>= 3.6)
Imports dplyr, igraph, ggplot2, rlang, tibble, tidyr
Suggests knitr, rcartocolor, rmarkdown
RoxygenNote 7.2.3
VignetteBuilderknitr
Config/Needs/website nrennie/nrenniepkgdown
URL https://nrennie.github.io/ggflowchart/
NeedsCompilation no
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Repository CRAN
Date/Publication 2023-05-11 10:10:05 UTC

R topics documented:

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Generate a flowchart in ggplot2

Description

Generates the flowchart

Usage

```r
ggflowchart(
  data,
  node_data = NULL,
  fill = "white",
  colour = "black",
  text_colour = "black",
  text_size = 3.88,
  arrow_colour = "black",
  arrow_size = 0.3,
  family = "sans",
  x_nudge = 0.35,
  y_nudge = 0.25,
  horizontal = FALSE,
  color = NULL,
  text_color = NULL,
  arrow_color = NULL
)
```

Arguments

data Data frame or tibble of edges. Must have two columns, first column are "from" node names, second column is "to" node names. Node names must be unique.

node_data Data frame or tibble of node information. Must have at least one column called "name" for node names to join by. Default NULL.

fill Fill colour of nodes. Must be a valid colour name or hex code, or the name of a column in node_data (quoted or unquoted). Column names take priority over names of colours. Default "white".

colour Outline colour of nodes. Must be a valid colour name or hex code. Default "black".

text_colour Colour of labels in nodes. Must be a valid colour name or hex code, or the name of a column in node_data (quoted or unquoted). Column names take priority over names of colours. Default "black".

text_size Font size of labels in nodes. Default 3.88.

arrow_colour Colour of arrows. Must be a valid colour name or hex code. Default "black".

arrow_size Size of arrow head. Default 0.3.

family Font family for node labels. Default "sans"
ggflowchart

- **x_nudge**: Distance from centre of edge of node box in x direction. Default 0.35.
- **y_nudge**: Distance from centre of edge of node box in y direction. Default 0.25.
- **horizontal**: Boolean specifying if flowchart should go from left to right. Default FALSE.
- **color**: Outline colour of nodes - overrides colour. Must be a valid colour name or hex code. Default NULL.
- **text_color**: Colour of labels in nodes - overrides text_colour. Must be a valid colour name or hex code. Default NULL.
- **arrow_color**: Colour of arrows - overrides arrow_colour. Must be a valid colour name or hex code. Default NULL.

**Value**

A ggplot2 object.

**Examples**

```r
ggflowchart(data)
```
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