

Package ‘ggflowchart’

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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

VignetteBuilder knitr

Config/Needs/website nrennie/nrenniepkgdown

URL <https://nrennie.github.io/ggflowchart/>

NeedsCompilation no

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Repository CRAN

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`ggflowchart`*Generate a flowchart in ggplot2*

Description

Generates the flowchart

Usage

```
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

<code>data</code>	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.
<code>node_data</code>	Data frame or tibble of node information. Must have at least one column called "name" for node names to join by. Default NULL.
<code>fill</code>	Fill colour of nodes. Must be a valid colour name or hex code, or the name of a column in <code>node_data</code> (quoted or unquoted). Column names take priority over names of colours. Default "white".
<code>colour</code>	Outline colour of nodes. Must be a valid colour name or hex code. Default "black".
<code>text_colour</code>	Colour of labels in nodes. Must be a valid colour name or hex code, or the name of a column in <code>node_data</code> (quoted or unquoted). Column names take priority over names of colours. Default "black".
<code>text_size</code>	Font size of labels in nodes. Default 3.88.
<code>arrow_colour</code>	Colour of arrows. Must be a valid colour name or hex code. Default "black".
<code>arrow_size</code>	Size of arrow head. Default 0.3.
<code>family</code>	Font family for node labels. Default "sans"

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

Value

A ggplot2 object.

Examples

```
data <- tibble::tibble(from = c("A", "A", "A", "B", "C", "F"), to = c("B", "C", "D", "E", "F", "G"))
ggflowchart(data)
```

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