

# Package ‘sankeywheel’

October 24, 2019

**Title** Create Dependency Wheels and Sankey Diagrams

**Type** Package

**Version** 0.1.0

**Description** By binding R functions and the 'Highcharts' <<http://www.highcharts.com/>> charting library, 'sankeywheel' package provides a simple way to draw dependency wheels and sankey diagrams.

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**Depends** R (>= 3.0.0)

**LazyData** true

**Imports** htmlwidgets

**Suggests** knitr, rmarkdown, shiny, colourpicker, manipulateWidget, DT

**VignetteBuilder** knitr

**URL** <https://github.com/czxa/sankeywheel>

**BugReports** <https://github.com/czxa/sankeywheel/issues>

**RoxygenNote** 6.1.1

**NeedsCompilation** no

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 sankeydf

*Example Data for Sankey Sankey Diagrams*


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**Description**

Data Source: <https://www.highcharts.com/demo/sankey-diagram>

**Usage**

sankeydf

**Format**

A tibble data frame with 46 rows and 3 variables.

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sankeywheel

*Create Dependency Wheels and Sankey Diagrams*


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**Description**

@description By binding R functions and the 'Highcharts' <http://www.highcharts.com/> charting library, 'sankeywheel' package provides a simple way to draw dependency wheels and sankey diagrams.

**Usage**

```
sankeywheel(from, to, weight, type = "dependencywheel", width = NULL,
  height = NULL, seriesName = "demo series", theme = "sandsignika",
  title = "Example Chart", titleAlign = "center", titleSize = "20px",
  titleColor = "#333333", subtitle = "", subtitleAlign = "center",
  subtitleSize = "", subtitleColor = "#666666", elementId = NULL,
  ...)
```

**Arguments**

from	from vector;
to	to vector;
weight	weight vector;
type	Charts type, dependencywheel or sankey;
width	chart width, for example, "100%";
height	chart height, for example, "400px";
seriesName	Series name, like "demo series";
theme	chart theme, you can use these themes: darkgreen/darkblue/avocado/darkunica/gray/gridlight/grid/sandsignika/sunset;

title	title;
titleAlign	title alignment, left/center/right;
titleSize	title size, like "20px";
titleColor	title color, like "#333333";
subtitle	subtitle;
subtitleAlign	subtitle alignment, left/center/right;
subtitleSize	subtitle size, like "16px";
subtitleColor	subtitle color, like "#666666";
elementId	NULL.
...	Additional parameters.

### Examples

```
library(sankeywheel)
if(interactive()){
  sankeywheel(from = sankeydf$from,
              to = sankeydf$to,
              weight = sankeydf$weight,
              type = "dependencywheel")
  sankeywheel(from = sankeydf$from,
              to = sankeydf$to,
              weight = sankeydf$weight,
              type = "sankey",
              theme = "sunset")
}
```

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sankeywheel-shiny

*Shiny bindings for sankeywheel*

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### Description

Output and render functions for using sankeywheel within Shiny applications and interactive Rmd documents.

### Usage

```
sankeywheelOutput(outputId, width = "100%", height = "400px")

renderSankeywheel(expr, env = parent.frame(), quoted = FALSE)
```

**Arguments**

outputId	output variable to read from
width, height	Must be a valid CSS unit (like '100%', '400px', 'auto') or a number, which will be coerced to a string and have 'px' appended.
expr	An expression that generates a sankeywheel
env	The environment in which to evaluate expr.
quoted	Is expr a quoted expression (with quote())? This is useful if you want to save an expression in a variable.

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