Package 'modelwordcloud'

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Title Model Word Clouds

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Author Peter Hurford [aut, cre]

Maintainer Peter Hurford <peter.hurford@datarobot.com>

Description Makes a word cloud of text, sized by the frequency of the word, and colored either by user-specified colors or colored by the strength of the coefficient of that text derived from a regression model.

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LazyData true

Imports methods, graphics, stats

RoxygenNote 6.0.1

Suggests testthat

NeedsCompilation no

Repository CRAN

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Contents

`wordcloud` *Make a word cloud.*

Description

Make a word cloud.

Usage

```
wordcloud(model_object = NULL, words = NULL, freq = NULL,
  coefficients = NULL, colors = "black", scale = c(4, 0.5),
  min_freq = 3, max_words = Inf, random_order = FALSE,
  random_color = FALSE, rot_per = 0, bg_color = "#FFFFFF")
```

Arguments

model_object	lm. A linear model object. If this is passed, words, freq, and coefficients can be derived and do not need to be passed.
words	character. A vector of words to plot.
freq	numeric. The frequency of those words.
coefficients	numeric. If provided, colors will be assigned according to coefficients.
colors	character. The colors to use for plotting.
scale	numeric. The range of sizes.
min_freq	numeric. Words with less frequency than this will not be plotted.
max_words	numeric. Don't plot more words than this amount.
random_order	logical. Should words be plotted in a random_order or by frequency (default FALSE)?
random_color	logical. Allocate words a color by random? (default FALSE).
rot_per	numeric. Amount of rotation to apply to each word, between 0 and 1. Defaults to 0 (no rotation).
bg_color	character. The color of the background.

Examples

```
data(iris)
model <- lm(Petal.Width ~ Species, iris)
library(modelwordcloud)
colors <- c("red", "orange", "blue")
wordcloud(model, colors = colors)
words_and_freqs <- rle(as.character(iris$Species))
freqs <- words_and_freqs$lengths
words <- words_and_freqs$values
coefficients <- model$coefficients
wordcloud(words = words, freq = freqs, coefficients = coefficients, colors = colors)
```

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