Package ‘crossword.r’

October 12, 2022

Date 2019-01-20
Type Package
Title Generating Crosswords from Word Lists
Version 0.3.6
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Description Generate crosswords from a list of words.
License MIT + file LICENSE
Encoding UTF-8
LazyData true
Imports R6 (>= 2.2.0), dplyr (>= 0.5.0), stringr (>= 1.2.0), magrittr
      (>= 1.5), jsonlite (>= 1.5), r6extended (>= 0.1.1)
RoxygenNote 6.0.1
Suggests covr, testthat
NeedsCompilation no
Repository CRAN
Date/Publication 2019-01-20 06:40:03 UTC

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Crossword

Description

Crossword

Usage

Crossword

Format

An R6Class generator object for generating crosswords from word lists

Fields

letters a character matrix representing the grid of the crossword

words a data.frame like (tibble) storing words, their position on the grid (row, col), their length in character, their direction ("right", "down") the word and the clue

Methods

add_words(words, clues = NULL) this method will try to add words to the crossword by placing it on the grid; clues is optional and should be the same length;

density() gives back statistics on fill state of grid

to_json(pretty = FALSE) this exports grid and word list data to JSON for external usage; pretty parameter determines if this is done in a human readable or more machine efficient way

Examples

library(crossword.r)
cw <- Crossword$new(rows = 4, columns = 4)
cw$add_words(c("back", "nasa", "kick", "nuk", "ic", "sic"))
cw
cw$letters
cw$words
cw$density()
cw_greplv

Description

a vectorized version of grep

Usage

cw_greplv(pattern, x, ignore.case = FALSE, perl = FALSE, fixed = FALSE,
  useBytes = FALSE)

Arguments

pattern character string containing a regular expression (or character string for fixed =
  TRUE) to be matched in the given character vector. Coerced by as.character
to a character string if possible. If a character vector of length 2 or more is
supplied, the first element is used with a warning. Missing values are allowed
except for regexpr and gregexpr.
x a character vector where matches are sought, or an object which can be coerced
by as.character to a character vector. Long vectors are supported.
ignore.case if FALSE, the pattern matching is case sensitive and if TRUE, case is ignored
during matching.
perl logical. Should Perl-compatible regexps be used?
fixed logical. If TRUE, pattern is a string to be matched as is. Overrides all conflicting
arguments.
useBytes logical. If TRUE the matching is done byte-by-byte rather than character-by-
character. See ‘Details’.

cw_matrix_to_df

Description

function that turn matrix into a data.frame in long format

Usage

cw_matrix_to_df(x)

Arguments

x the data.frame to transform
cw_normalize_words

**Description**

normalize words to be added to grid

**Usage**

cw_normalize_words(words)

**Arguments**

- **words** character vector of words to normalize for crossword usage

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cw_to_json

**Description**

function implementing to_json method

**Usage**

cw_to_json(cw, pretty = FALSE)

**Arguments**

- **cw** an object of class crossword
- **pretty** should json formatted to be more human readable or not

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cw_wordlist_animal_en

**Description**

data frame of words and clues

**Usage**

cw_wordlist_animal_en

**Format**

An object of class data.frame with 68 rows and 2 columns.
Description

re-export magrittr pipe operator
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