

Package ‘wordPuzzleR’

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Title Word Puzzle Game

Version 0.1.1

Description The word puzzle game requires you to find out the letters in a word within a limited number of guesses. In each round, if your guess hit any letters in the word, they reveal themselves. If all letters are revealed before your guesses run out, you win this game; otherwise you fail. You may run multiple games to guess different words.

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Config/testthat/edition 3

Encoding UTF-8

RoxygenNote 7.2.0

URL <https://github.com/zhuxr11/wordPuzzleR>

BugReports <https://github.com/zhuxr11/wordPuzzleR/issues>

Imports purrr (>= 0.3.4), scales (>= 1.1.1), stringr (>= 1.4.0)

Collate 'zzz.R' 'utils.R' 'main.R' 'wordPuzzleR-package.R'

NeedsCompilation no

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R topics documented:

config_game	2
run_game	2

Index	4
--------------	----------

config_game *Configure wordPuzzleR*

Description

config_game configures wordPuzzleR, or show current configuration when used with no arguments.

Usage

```
config_game(..., .verbose = TRUE)
```

Arguments

... Arguments passed on to configurations. Valid names may be:

- dict** (String) path to dictionary file, where each line is a word.
- min_len** (Integer) minimal word length, default 3.
- max_len** (Integer) maximal word length, default 8.
- guess** (Integer) maximal guesses, default 10.
- pattern** (String) Regular expression to filter qualified words, default "[A-Za-z]+".

.verbose (Logical) whether config messages should be printed.

Value

Named list of new configurations, invisibly.

Examples

```
# Show current config
config_game()
```

run_game *Run word puzzle game*

Description

run_game is the main function to run word puzzle game. The word puzzle game requires you to guess the word with single letters in a limited times of trials. The letters you have guessed in the word reveal themselves. If all letters are revealed before your guesses run out, you win this round, otherwise you fail.

Usage

```
run_game(mask_char = "_", verbose = TRUE, ...)
```

Arguments

`mask_char` (String) letter to mask the letters not guessed in the word.
`verbose` (Logical) whether to print welcome and score messages.
... For internal use only.

Value

Named list of game stats invisibly, including:

score Named integer with names as `success` (success rounds) and `total` (total rounds).

best_guess Integer as the minimal number of guesses.

best_hit Named integer with names as `hit` (guesses that hit any letters in the word) and `guess` (total guesses).

Examples

```
# Run word puzzle game
if (interactive() == TRUE) {
  run_game()
}
```

Index

`config_game`, [2](#)

`run_game`, [2](#)