Package ‘proceduralnames’

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Type Package

Title Several Methods for Procedural Name Generation

Version 0.2.1

Description A small, dependency-free way to generate random names. Methods provided include the adjective-surname approach of Docker containers (‘<https://github.com/moby/moby/blob/master/pkg/namesgenerator/names-generator.go>’), and combinations of common English or Spanish words.

URL https://mikemahoney218.github.io/proceduralnames/,
    https://github.com/mikemahoney218/proceduralnames

BugReports https://github.com/mikemahoney218/proceduralnames/issues

License Apache License (>= 2)

Encoding UTF-8

LazyData true

Depends R (>= 2.10)

RoxygenNote 7.1.2

Suggests testthat, covr

Config/testthat/edition 3

NeedsCompilation no

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common_words  999 of the most common words in the English language

Description
A data set containing 999 of the most common words in the English language. Note that the source does not mention provenance of the list and has been critiqued for diverging from typical lists of the most common words in the English language; as such, this data set is referred to as "common words" rather than "the most common words". The word "slave" has been omitted from the list to avoid insensitive procedural name generation.

Usage
common_words

Format
A character vector with 999 elements, each representing a single word commonly used in the English language.

Source
https://gist.github.com/deekayen/4148741

docker_adjectives  Adjectives used in the procedural naming of Docker containers.

Description
A data set containing the 108 adjectives used in the naming of Docker containers as of 2020-12-16.

Usage
docker_adjectives

Format
A character vector with 108 elements, each representing a single adjective used to name Docker containers.
docker_names

Source

https://github.com/moby/moby/blob/master/pkg/namesgenerator/names-generator.go

docker_names

Surnames used in the procedural naming of Docker containers.

Description

A data set containing the 237 surnames used in the naming of Docker containers as of 2020-12-16. Each name corresponds to a famous scientist, technologist, or mathematician; see the original source for more information on each name.

Usage

docker_names

Format

A character vector with 237 elements, each representing a single surname used to name Docker containers.

Source

https://github.com/moby/moby/blob/master/pkg/namesgenerator/names-generator.go

make_docker_names

Generates a random name from the list of Docker adjectives and surnames.

Description

This function generates ‘n’ random names, each combining a single adjective from [docker_adjectives] and a surname from [docker_names].

Usage

make_docker_names(n, retry = FALSE, sep = "_")

Arguments

- n: The number of random names to be generated.
- retry: If ‘TRUE’, a random integer between 1 and 10 is appended to each generated name.
- sep: A character string to separate the terms. Not ‘NA_character_’.
make_english_names

Value
A random name formatted as "adjective_surname" (for example, "focused_turing").

Examples
make_docker_names(1)
make_docker_names(2, retry = TRUE)

make_english_names
Generates a random name from a list of common English words.

Description
This function generates 'n' random names, each a combination of 'n_words' words selected from [common_words].

Usage
make_english_names(
  n,
  n_words = 3,
  retry = FALSE,
  sep = "_",
  case = c("lower", "upper", "title")
)

Arguments
n The number of random names to be generated.
n_words The number of words to combine into a name.
retry If 'TRUE', a random integer between 1 and 10 is appended to each generated name.
sep A character string to separate the terms. Not 'NA_character_'.
case One of either "lower", "upper", or "title". The capitalization to use for each word.

Value
A character vector of length 'n' of random names, each composed of 'n_word' terms capitalized according to 'case' separated by 'sep'. Note that names are not guaranteed to be unique.

Examples
make_english_names(1, n_words = 2)
make_english_names(2, retry = TRUE)
make_names

Create procedural names.

Description
Create procedural names.

Usage
make_names(corpus, n, n_words, retry, sep = "_", case)

Arguments

corpus A vector of strings to build names from.
n The number of random names to be generated.
n_words The number of words to combine into a name.
retry If ‘TRUE’, a random integer between 1 and 10 is appended to each generated name.
sep A character string to separate the terms. Not ‘NA_character_’.
case One of either "lower", "upper", or "title". The capitalization to use for each word.

Value
A character vector of length ‘n’ of random names, each composed of ‘n_word’ terms capitalized according to ‘case’ separated by ‘sep’. Note that names are not guaranteed to be unique.

make_spanish_names
Generates a random name from a list of common Spanish words.

Description
This function generates ‘n’ random names, each a combination of ‘n_words’ words selected from [spanish_words].

Usage
make_spanish_names(
    n,
    n_words = 3,
    retry = FALSE,
    sep = "_",
    case = c("lower", "upper", "title")
)
Arguments

- **n**: The number of random names to be generated.
- **n_words**: The number of words to combine into a name.
- **retry**: If `TRUE`, a random integer between 1 and 10 is appended to each generated name.
- **sep**: A character string to separate the terms. Not `NA_character_`.
- **case**: One of either "lower", "upper", or "title". The capitalization to use for each word.

Value

A character vector of length `n` of random names, each composed of `n_word` terms capitalized according to `case` separated by `sep`. Note that names are not guaranteed to be unique.

Examples

```r
make_spanish_names(1, n_words = 2)
make_spanish_names(2, retry = TRUE)
```

spanish_words

820 of the most common words in the Spanish language

Description

A data set containing 820 of the most common words in the Spanish language, as determined by the RAE. Only words which can be represented in UTF-8 are included for compatibility across platforms and collations.

Usage

```r
spanish_words
```

Format

A character vector with 820 elements, each representing a single word commonly used in the Spanish language.

Source

[http://corpus.rae.es/lfrecuencias.html](http://corpus.rae.es/lfrecuencias.html)
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