

Package ‘proceduralnames’

October 14, 2022

Type Package

Title Several Methods for Procedural Name Generation

Version 0.2.2

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 7.2.1

Suggests testthat, covr

Config/testthat/edition 3

NeedsCompilation no

Author Michael Mahoney [aut, cre] (<https://orcid.org/0000-0003-2402-304X>)

Maintainer Michael Mahoney <mike.mahoney.218@gmail.com>

Repository CRAN

Date/Publication 2022-08-11 14:10:06 UTC

R topics documented:

| | |
|-----------------------------|---|
| common_words | 2 |
| docker_adjectives | 2 |
| docker_names | 3 |

| | |
|------------------------------|---|
| make_docker_names | 3 |
| make_english_names | 4 |
| make_names | 5 |
| make_spanish_names | 5 |
| spanish_words | 6 |

| | |
|--------------|----------|
| Index | 7 |
|--------------|----------|

| | |
|--------------|---|
| common_words | <i>999 of the most common words in the English language</i> |
|--------------|---|

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 | <i>Adjectives used in the procedural naming of Docker containers.</i> |
|-------------------|---|

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.

Source

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

| | |
|--------------|---|
| docker_names | <i>Surnames used in the procedural naming of Docker containers.</i> |
|--------------|---|

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 | <i>Generates a random name from the list of Docker adjectives and surnames.</i> |
|-------------------|---|

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_’. |

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 | <i>Generates a random name from a list of common English words.</i> |
|--------------------|---|

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 | <i>Create procedural names.</i> |
|------------|---------------------------------|

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 | <i>Generates a random name from a list of common Spanish words.</i> |
|--------------------|---|

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

```
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

```
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>

Index

* datasets

- common_words, 2
- docker_adjectives, 2
- docker_names, 3
- spanish_words, 6

common_words, 2

docker_adjectives, 2
docker_names, 3

make_docker_names, 3
make_english_names, 4
make_names, 5
make_spanish_names, 5

spanish_words, 6