

Package ‘pinyin’

October 14, 2022

Version 1.1.6

Date 2019-05-01

Title Convert Chinese Characters into Pinyin, Sijiao, Wubi or Other Codes

Maintainer Peng Zhao <pzhao@pzhao.net>

Depends R (>= 3.1.0)

Imports splitstackshape, data.table

Suggests

Description Convert Chinese characters into Pinyin (the official romanization system for Standard Chinese in mainland China, Malaysia, Singapore, and Taiwan. See <<https://en.wikipedia.org/wiki/Pinyin>> for details), Sijiao (four or five numerical digits per character. See <https://en.wikipedia.org/wiki/Four-Corner_Method>.), Wubi (an input method with five strokes. See <https://en.wikipedia.org/wiki/Wubi_method>) or user-defined codes.

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URL <https://github.com/pzhaonet/pinyin>

BugReports <https://github.com/pzhaonet/pinyin/issues>

RoxygenNote 6.1.1

NeedsCompilation no

Author Peng Zhao [aut, cre],
Qu Cheng [ctb]

Repository CRAN

Date/Publication 2019-05-02 11:40:08 UTC

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bookdown2py	<i>Convert the Chinese headers of bookdown .Rmd files into Pinyin</i>
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Description

Convert the Chinese headers of bookdown .Rmd files into Pinyin

Usage

```
bookdown2py(folder = "py", remove_curly_bracket = TRUE, other_replace = NULL, dic = NA)
```

Arguments

folder	character. The folder in which the files are to be converted.
remove_curly_bracket	logical. Whether to remove existing curly brackets in the headers.
other_replace	NULL or character. Define how to convert non-Chinese characters in mychar. NULL means 'let it be'.
dic	See help(pinzin).

Value

new .Rmd files with Pinyin headers.

Examples

```
bookdown2py(dic = NA)
```

file.rename2py	<i>Rename files according to a given dictionary</i>
----------------	---

Description

Rename files according to a given dictionary

Usage

```
file.rename2py(folder = "py", dic = NA)
```

Arguments

folder	character. The folder in which the files are to be renamed.
dic	See help(pinyin).

Value

files with new names.

Examples

```
file.rename2py(dic = NA)
```

file2py	<i>Convert the characters in an entire files according to a given dictionary</i>
---------	--

Description

Convert the characters in an entire files according to a given dictionary

Usage

```
file2py(folder = "py", backup = TRUE, sep = " ", other_replace = NULL,
        encoding = "UTF-8", dic = NA)
```

Arguments

folder	character. The folder in which the files are to be converted.
backup	logical. Whether the original files should be saved as backups.
sep	character. Separation between the converted pinyin.
other_replace	NULL or character. Define how to convert non-Chinese characters in mychar. NULL means 'let it be'.
encoding	character. The encoding of the input files. 'UTF-8' by default.
dic	See help(pinzin).

Value

files converted to Pinyin.

Examples

```
file2py(dic = NA)
```

insert	<i>Title insert a character(s) before all lattan letters in a string</i>
--------	--

Description

Title insert a character(s) before all lattan letters in a string

Usage

```
insert(oldchar, insertchar = ",")
```

Arguments

oldchar	the old string
insertchar	the character(s) to insert

Value

a new string

load_dic	<i>Load a customized dictionary.</i>
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Description

Load a customized dictionary.

Usage

```
load_dic(dic_file = NA, select = 1)
```

Arguments

dic_file	The path of a dictionary file.
select	The option to choose from the dictionary.

Value

A dictionary

Examples

```
load_dic()
```

pinyin	<i>Former version of py()</i>
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Description

Former version of py()

Usage

```
pinyin()
```

Value

a message

Examples

```
pinyin()
```

py	<i>Convert strings of Chinese characters into Pinyin.</i>
----	---

Description

Convert strings of Chinese characters into Pinyin.

Usage

```
py(char = "", sep = "_", other_replace = NULL, dic = pydic())
```

Arguments

char	a string vector
sep	character. Separation between the converted pinyin.
other_replace	NULL or character. Define how to convert non-Chinese characters in mychar. NULL means 'let it be'.
dic	the preloaded pinyin library using the pylib() function.

Value

pinyin of the given Chinese string.

Examples

```
py(dic = NA)
```

pydic *Load a Pinyin library*

Description

Load a Pinyin library

Usage

```
pydic(method = c("quanpin", "tone", "toneless"), multi = FALSE,
      only_first_letter = FALSE, dic = c("pinyin", "pinyin2"))
```

Arguments

method	character. The value can be: <ul style="list-style-type: none"> • 'quanpin', for the standard form of pinyin (tones above letters), • 'tone', for tones expressed with numbers, • 'toneless', without tones
multi	logical. Whether display multiple pronunciations of a Chinese character or only the first pronunciation.
only_first_letter	logical. Whether only the first letter in pinyin.
dic	character. Choose the dictionary.

Value

character. a Pinyin library.

Examples

```
pydic()
```

py_single *Convert a string of Chinese characters into Pinyin.*

Description

Convert a string of Chinese characters into Pinyin.

Usage

```
py_single(char = "", sep = "_", other_replace = NULL, dic = pydic())
```

Arguments

char	character. A Chinese character or string to convert to pinyin
sep	character. Separation between the converted pinyin.
other_replace	NULL or character. Define how to convert non-Chinese characters in mychar. NULL means 'let it be'.
dic	the preloaded pinyin library using the pylib() function.

Value

pinyin of the given Chinese string.

strsplit2	<i>split a string and extract the nth string</i>
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Description

split a string and extract the *nth* string

Usage

```
strsplit2(x, sep = " ", nth = 1)
```

Arguments

x	The string to split
sep	The separated character
nth	The <i>nth</i> string to extract

Value

a new string

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