Package 'TangPoemR'

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Type Package

Title Write Chinese Tang Poems

Version 0.1.0

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Description Write Chinese Tang Poems automatically.

Imports jiebaR

License GPL (>= 2)

Depends R (>= 3.0)

Encoding UTF-8

LazyData true

RoxygenNote 6.0.1

NeedsCompilation no

Repository CRAN

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R topics documented:

TangPoemR   *Write Chinese Tang Poems*

Description

The package helps generate Chinese Tang poems automatically.

Details

We created our poems dataset from Three Hundred Tang Poems:

#import the file "Three Hundred Tang Poems"

fileName <-"Three Hundred Tang Poems.txt"

SC <- readChar(fileName, file.info(fileName)$size)

#the process of text segmentation

library(jiebaR)

cc = worker()

analysis <- as.data.frame(table(cc[SC]))

names(analysis) <- c("word","freq")

analysis$word <- as.character(analysis$word)

#set the example poems sp5, sp7

tagger <- worker("tag")

sp5_2 <- tagger <= sp5

sp7_2 <- tagger <= sp7

example <- subset(analysis, freq >1 & nchar(word) <3 & freq < 300)

#extract the examples' parts of speech

cixing5 <- attributes(sp5_2)$names

cixing7 <- attributes(sp7_2)$names

#get the dataset

example_2 <- tagger <= example$word

Now, with our dataset, this package can automatically generate Chinese Tang poems of our specified length(5 or 7).

Value

no return

Note

The package helps people experience Chinese ancient poetry culture with R.

Author(s)

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References

nothing

See Also

nothing

Examples

```
write_tangpoem(5)
```

`write_tangpoem`	*Write Chinese Tang Poems*

Description

This package write Chinese Tang Poems automatically

Usage

```
write_tangpoem(n)
```

Arguments

n,   should be the length of the poem

Examples

```
write_tangpoem(5)
```

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