Package 'KoNLP'

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backupUsrDic

use for backup current dic_user.txt

Description

Utility function for backup dic_user.txt file to backup directory.

Usage

Index

```
backupUsrDic(ask = TRUE)
```

Arguments

ask

ask to confirm backup

Examples

```
## Not run:
## This codes can not be run if you don't have encoding system which can en/decode Hangul(ex) CP949, EUC-KR, U
dicpath <- file.path(system.file(package="Sejong"), "dics", "handic.zip")
conn <- unz(dicpath, file.path("data", "kE", "dic_user2.txt"))
newdic <- read.table(conn, sep="\t", header=FALSE, fileEncoding="UTF-8", stringsAsFactors=FALSE)
mergeUserDic(newdic)
## backup merged new dictionary
backupUsrDic(ask=FALSE)
## restore from backup directory
restoreUsrDic(ask=FALSE)
## reloading new dictionary
reloadAllDic()
## End(Not run)</pre>
```

 ${\tt convertHangulStringToJamos}$

convertion function Hangul string to Jamos

Description

convert Hangul sentence to Jamos. Example will be shown in github wiki.

Usage

```
convertHangulStringToJamos(hangul)
```

Arguments

hangul Hangul string

Value

Jamo sequences

 ${\tt convertHangulStringToKeyStrokes}$

convertion function Hangul string to keyStrokes

Description

Function can convert Hangul string to Keystrokes. Example will be shown in github wiki.

Usage

```
convertHangulStringToKeyStrokes(hangul,
  isFullwidth = TRUE)
```

Arguments

hangul Hangul sentence

isFullwidth specify returned character will be Fullwidth ASCII or Halfwidth ASCII

Value

Keystroke sequence

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convertTag

tag name converter

Description

only suppport tag convertion between KAIST and Sejong tag set.

Usage

```
convertTag(fromTag, toTag, tag)
```

Arguments

fromTag tag set name to convert from

toTag desired tag set name tag name to search

doKoMorph

morphlogical analysis function for Hangul

Description

morphlogical analyze the sentence uses lucene korean analyzer. Example will be shown in github wiki.

Usage

doKoMorph(sentence)

Arguments

sentence

input

Value

stem of sentence

editweights

Keystroke misspell cost table

Description

Keystroke misspell cost table

Author(s)

Heewon Jeon <madjakarta@gmail..com>

extractNoun 5

extractNoun	Noun extractor for Hangul

Description

extract Nouns from Korean sentence uses Hannanum analyzer. see detail in Hannanum. Example will be shown in github wiki.

Usage

```
extractNoun(sentence)
```

Arguments

sentence input

Value

Noun of sentence

|--|--|

Description

function to be used for converting to complete Hangul syllables from Jamo or Keystrokes. Example will be shown in github wiki.

Usage

```
HangulAutomata(input, isKeystroke = F, isForceConv = F)
```

Arguments

input to be processed mostly Jamo sequences

isKeystroke boolean parameter to check input is keystroke or Jamo sequences

isForceConv boolean parameter to force converting if input is not valid Jamo or keystroke

sequences.

Value

complete Hangul syllable

is.hangul

is.ascii

check if sentence is all ASCII

Description

Function checks with each charactor is ASCII

Usage

```
is.ascii(sentence)
```

Arguments

sentence

input charactors

Value

TRUE or FALSE

is.hangul

check if sentence is all Hangul

Description

Function checks if each charactor is Hangul or Jamo. Example will be shown in github wiki.

Usage

```
is.hangul(sentence)
```

Arguments

sentence

input charactors

Value

TRUE or FALSE

is.jaeum 7

is.jaeum

check if sentence is all Jaeum

Description

Function checks with each charactor is Jaeum

Usage

```
is.jaeum(sentence)
```

Arguments

sentence

input charactors

Value

TRUE or FALSE

is.jamo

check if sentence is all Jamo

Description

Function checks with each charactor is Jamo. Example will be shown in github wiki.

Usage

```
is.jamo(sentence)
```

Arguments

sentence

input charactors

Value

TRUE or FALSE

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is.moeum

check if sentence is all Moeum

Description

Function checks with each charactor is Moeum

Usage

```
is.moeum(sentence)
```

Arguments

sentence

input charactors

Value

TRUE or FALSE

KtoS

KAIST tag to Sejong tag

Description

KAIST tag to Sejong tag

Author(s)

Heewon Jeon <madjakarta@gmail..com>

mergeUserDic

appending or replacing with new data.frame

Description

appending new dictionary to current dictionary. replaceing current dictionary with new dictionary.

Usage

```
mergeUserDic(newUserDic, append = TRUE, verbose = FALSE,
    ask = FALSE)
```

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Arguments

newUserDic new user dictionary as data.frame

append append or replacing verbose see detail error logs

ask ask to backup

Examples

```
## Not run:
## This codes can not be run if you don't have encoding system which can en/decode Hangul(ex) CP949, EUC-KR, U
dicpath <- file.path(system.file(package="Sejong"), "dics", "handic.zip")
conn <- unz(dicpath, file.path("data","kE","dic_user2.txt"))
newdic <- read.table(conn, sep="\t", header=FALSE, fileEncoding="UTF-8", stringsAsFactors=FALSE)
mergeUserDic(newdic)
## backup merged new dictionary
backupUsrDic(ask=FALSE)
## restore from backup directory
restoreUsrDic(ask=FALSE)
## reloading new dictionary
reloadAllDic()
## End(Not run)</pre>
```

MorphAnalyzer

Hannanum morphological analyzer interface function

Description

Do the morphological analysis, not doing pos tagging uses Hannanum analyzer. see details in Hannanum. Example will be shown in github wiki.

Usage

MorphAnalyzer(sentence)

Arguments

sentence input

Value

result of analysis

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reloadAllDic

reload all Hannanum analyzer dictionary

Description

Mainly, user dictionary reloading for Hannanum Analyzer. If you want to update user dictionary on KoNLP_dic/current/dic_user.txt, need to execute this function after editing dictionary.

Usage

```
reloadAllDic()
```

Examples

```
## Not run:
## This codes can not be run if you don't have encoding system which can en/decode Hangul(ex) CP949, EUC-KR, U
dicpath <- file.path(system.file(package="Sejong"), "dics", "handic.zip")
conn <- unz(dicpath, file.path("data","kE","dic_user2.txt"))
newdic <- read.table(conn, sep="\t", header=FALSE, fileEncoding="UTF-8", stringsAsFactors=FALSE)
mergeUserDic(newdic)
## backup merged new dictionary
backupUsrDic(ask=FALSE)
## restore from backup directory
restoreUsrDic(ask=FALSE)
## reloading new dictionary
reloadAllDic()
## End(Not run)</pre>
```

 ${\tt restoreUsrDic}$

use for restoring backuped dic_user.txt

Description

Utility function for restoring dic_user.txt file to dictionary directory.

Usage

```
restoreUsrDic(ask = TRUE)
```

Arguments

ask

ask to confirm backup

SimplePos09

Examples

```
## Not run:
## This codes can not be run if you don't have encoding system which can en/decode Hangul(ex) CP949, EUC-KR, U
dicpath <- file.path(system.file(package="Sejong"), "dics", "handic.zip")
conn <- unz(dicpath, file.path("data", "kE", "dic_user2.txt"))
newdic <- read.table(conn, sep="\t", header=FALSE, fileEncoding="UTF-8", stringsAsFactors=FALSE)
mergeUserDic(newdic)
## backup merged new dictionary
backupUsrDic(ask=FALSE)
## restore from backup directory
restoreUsrDic(ask=FALSE)
## reloading new dictionary
reloadAllDic()
## End(Not run)</pre>
```

SimplePos09

POS tagging by using 9 KAIST tags

Description

Do pos tagging using 9 tags uses Hannanum analyzer. see details in Hannanum. Example will be shown in github wiki.

Usage

SimplePos09(sentence)

Arguments

sentence

input

Value

results of tagged analysis

SimplePos22

POS tagging by using 22 KAIST tags

Description

Do POS tagging using 22 tags uses Hannanum analyzer. see details in Hannanum. Example will be shown in github wiki.

Usage

```
SimplePos22(sentence)
```

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Arguments

sentence

input

Value

results of tagged analysis

StoK

Sejong tag to KAIST tag

Description

Sejong tag to KAIST tag

Author(s)

Heewon Jeon <madjakarta@gmail..com>

tags

tag names

Description

tag names

Author(s)

Heewon Jeon <madjakarta@gmail..com>

useSejongDic

use Sejong noun dictionary

Description

Retrive Sejong dictionary to use in KoNLP

Usage

```
useSejongDic(backup = T)
```

Arguments

backup

will backup current dictionary?

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 ${\tt useSystemDic}$

use system default dictionary

Description

Retrive system default dictionary to use in KoNLP

Usage

```
useSystemDic(backup = T)
```

Arguments

backup

will backup current dictionary?

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