

Package ‘rLTP’

October 14, 2022

Title R Interface to the 'LTP'-Cloud Service

Description R interface to the 'LTP'-Cloud service for Natural Language Processing in Chinese (<http://www.ltp-cloud.com/>).

Version 0.1.4

Author Tong He [aut, cre], Oliver Keyes [ctb]

Maintainer Tong He <hetong007@gmail.com>

URL <https://github.com/hetong007/rLTP>

BugReports <https://github.com/hetong007/rLTP/issues>

Depends R (>= 3.3.2), RCurl

License LGPL

LazyData true

RoxygenNote 6.0.1

NeedsCompilation yes

Repository CRAN

Date/Publication 2017-05-29 19:09:05 UTC

R topics documented:

isBIG5	2
isGB18030	2
isGB2312	3
isGBK	3
isUTF8	4
ltp	4
rLTP	5
toUTF8	5
Index	6

isBIG5

Indicate whether the encoding of input string is BIG5.

Description

Indicate whether the encoding of input string is BIG5.

Usage

```
isBIG5(string, combine = FALSE)
```

Arguments

string	A character vector.
combine	Whether to combine all the strings.

Value

A vector of logical values, the length of `string` - or a single logical value if `combine` is `TRUE`.

Author(s)

Jian Li <<rweibo@sina.com>>

isGB18030

Indicate whether the encoding of input string is GBK.

Description

Indicate whether the encoding of input string is GBK.

Usage

```
isGB18030(string, combine = FALSE)
```

Arguments

string	A character vector.
combine	Whether to combine all the strings.

Value

A vector of logical values, the length of `string` - or a single logical value if `combine` is `TRUE`.

Author(s)

Jian Li <<rweibo@sina.com>>

isGB2312 *Indicate whether the encoding of input string is GB18030.*

Description

Indicate whether the encoding of input string is GB18030.

Usage

```
isGB2312(string, combine = FALSE)
```

Arguments

string	A character vector.
combine	Whether to combine all the strings.

Value

A vector of logical values, the length of `string` - or a single logical value if `combine` is `TRUE`.

Author(s)

Jian Li <<rweibo@sina.com>>

isGBK *Indicate whether the encoding of input string is GBK.*

Description

Indicate whether the encoding of input string is GBK.

Usage

```
isGBK(string, combine = FALSE)
```

Arguments

string	A character vector.
combine	Whether to combine all the strings.

Value

A vector of logical values, the length of `string` - or a single logical value if `combine` is `TRUE`.

Author(s)

Jian Li <<rweibo@sina.com>>

isUTF8	<i>Indicate whether the encoding of input string is UTF-8.</i>
--------	--

Description

Indicate whether the encoding of input string is UTF-8.

Usage

```
isUTF8(string, combine = FALSE)
```

Arguments

string	A character vector.
combine	Whether to combine all the strings.

Value

A vector of logical values, the length of string - or a single logical value if combine is TRUE.

Author(s)

Jian Li <<rweibo@sina.com>>

ltp	<i>R Interface of LTP-cloud service</i>
-----	---

Description

This function deals with communication with the server. XML result will be parsed if the mission is word-splitting. Else the raw XML texts will be returned for further analysis.

Usage

```
ltp(input = NULL, file = NULL, mission = "ws",
    api_key = getOption("ltp_api_key"), maxUpload = 1e+05)
```

Arguments

input	The input text.
file	The input file.
mission	Expected result for the cloud server, may be unfinished. Optional choices are 'ws' for word-splitting, 'pos' for part-of-speech, 'ner' for named entity recognition, 'dp' for dependency parser, 'srl' for semantic role labeling, 'all' for all missions.

api_key	Your API_Key for the cloud server. Visit http://www.ltp-cloud.com/dashboard/ to get it.
maxUpload	Due to the limitation of the server, we cut the input in pieces.

Examples

```
## Not run:
# require(rLTP)
# This api_key is publicly accessible.
# So it is strongly recommended to register for your own key.
# options(ltp_api_key='l2T9N724koSqEcDJvQHtRGVV2erajgP0gB0FAClj')
# ltp('Replace this field with a Chinese sentence.')

## End(Not run)
```

rLTP

rLTP

Description

rLTP

toUTF8

Convert encoding of Chinese string to UTF-8.

Description

Convert encoding of Chinese string to UTF-8.

Usage

```
toUTF8(cnstring)
```

Arguments

cnstring	A Chinese string vector.
----------	--------------------------

Value

Converted vectors.

Author(s)

Jian Li <<rweibo@sina.com>>

Index

[isBIG5](#), [2](#)

[isGB18030](#), [2](#)

[isGB2312](#), [3](#)

[isGBK](#), [3](#)

[isUTF8](#), [4](#)

[ltp](#), [4](#)

[rLTP](#), [5](#)

[rLTP-package \(rLTP\)](#), [5](#)

[toUTF8](#), [5](#)