# Package 'watsonNLU'

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**Type** Package

**Title** What the Package Does (Title Case)

**Version** 0.1.0

**Author** Who wrote it

**Maintainer** The package maintainer <yourself@somewhere.net>

**Description** More about what it does (maybe more than one line)
Use four spaces when indenting paragraphs within the Description.

**License** What license is it under?

**Encoding** UTF-8

**LazyData** true

**RoxygenNote** 6.0.1

**Depends** R (>= 3.4.1)

**Imports** httr

**Suggests** testthat, knitr, rmarkdown

**VignetteBuilder** knitr

## R topics documented:

## auth_NLU *Watson Natural Language Understanding API Authentication*

### Description

The **auth_NLU** function takes in a username and password as input to authenticate the users computer to use the Watson Natural Language Understanding API.

### Usage

```
auth_NLU(username = NULL, password = NULL)
```

### Arguments

| | |
|---|---|
| username | Authentication IBM Watson Natural-Language-Understanding-3j **username** |
| password | Authentication IBM Watson Natural-Language-Understanding-3j **password** |

### Details

See the sign-up[1] documentation for step by step instructions to secure your own username and password to enable you to use the Watson NLU API.

### Value

If authentication is successful, there is no return value. If unsuccessful, the function will ask the user to ensure username and password combination are correct.

## keyword_relevance *Watson Natural Language Understanding: Relevance of Keywords*

### Description

See the sign-up[2] documentation for step by step instructions to secure your own username and password to enable you to use the Watson NLU API. The **keyword_relevance** function takes in a username and password as input to authenticate the users computer to use the Watson Natural Language Understanding API. The user then enters the text input or URL of their choice, along with the input type. The function then returns a dataframe that contains keywords and their likelihood of being a keyword, from the given input. See the keyword_relevance[3] documentation for more useage cases.

[1] https://github.com/johannesharmse/watsonNLU/blob/master/README.md
[2] https://github.com/johannesharmse/watsonNLU/blob/master/README.md
[3] https://github.com/johannesharmse/watsonNLU/blob/master/README.md

### Usage

```
keyword_relevance(input = NULL, input_type = NULL, limit = NULL,
  version = "?version=2018-03-16")
```

### Arguments

| | |
|---|---|
| input | Either a text string input or website URL. Either text or url argument has to be specified, but not both. |
| input_type | Specify what type of input was entered. Either text or url argument has to be specified, but not both. |
| limit | The number of keywords to return. |
| version | The release date of the API version to use. Default value is version="?version=2018-03-16" |

### Value

A dataframe containing a list of keywords and their corresponding likelihoods for the given input.

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## text_categories *Watson Natural Language Understanding: Text Categorizer*

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### Description

See the sign-up[4] documentation for step by step instructions to secure your own username and password to enable you to use the Watson NLU API. The **text_categories** function takes in a username and password as input to authenticate the users computer to use the Watson Natural Language Understanding API. The user then enters the text input or URL of their choice, along with the input type. The function then returns a dataframe that contains the likelihood that the contents of the URL or text belong to a particular category. See the text_categories[5] documentation for more useage cases.

### Usage

```
text_categories(input = NULL, input_type = NULL, limit = NULL,
  version = "?version=2018-03-16")
```

### Arguments

| | |
|---|---|
| input | Either a text string input or website URL. Either text or url argument has to be specified, but not both. |
| input_type | Specify what type of input was entered. Either text or url argument has to be specified, but not both. |
| limit | The number of categories to return. |
| version | The release date of the API version to use. Default value is version="?version=2018-03-16" |

[4] https://github.com/johannesharmse/watsonNLU/blob/master/README.md
[5] https://github.com/johannesharmse/watsonNLU/blob/master/README.md

### Value

A dataframe that contains the likelihood that the contents of the URL or text belong to a particular category.

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`watson_emo` *Watson Natural Language Understanding: Emotional Analysis*

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### Description

See the sign-up[6] documentation for step by step instructions to secure your own username and password to enable you to use the Watson NLU API. The **watson_emo** function takes in a username and password as input to authenticate the users computer to use the Watson Natural Language Understanding API. The user then enters the text input or URL of their choice, along with the input type. The function then returns a dataframe that contains the likelihood that the contents of the URL or text is of a particular emotion. See the watson_emo[7] documentation for more useage cases.

### Usage

```
watson_emo(input = NULL, input_type = NULL, limit = NULL,
  version = "?version=2018-03-16")
```

### Arguments

| | |
|---|---|
| `input` | Either a text string input or website URL. Either `text` or `url` argument has to be specified, but not both. |
| `input_type` | Specify what type of input was entered. Either `text` or `url` argument has to be specified, but not both. |
| `limit` | The number of emotions to return. |
| `version` | The release date of the API version to use. Default value is `version="?version=2018-03-16"` |

### Value

A dataframe that contains the likelihood that the contents of the URL or text belong to a particular emotion.

[6] `https://github.com/johannesharmse/watsonNLU/blob/master/README.md`
[7] `https://github.com/johannesharmse/watsonNLU/blob/master/README.md`

watson_sent *Watson Natural Language Understanding: Sentiment Analysis*

## Description

See the sign-up[8] documentation for step by step instructions to secure your own username and password to enable you to use the Watson NLU API. The **watson_sent** function takes in a username and password as input to authenticate the users computer to use the Watson Natural Language Understanding API. The user then enters the text input or URL of their choice, along with the input type. The function then returns a dataframe that contains the likelihood that the contents of the URL or text belong to a particular sentiment. See the watson_sent[9] documentation for more useage cases.

## Usage

```
watson_sent(input = NULL, input_type = NULL, limit = NULL,
  version = "?version=2018-03-16")
```

## Arguments

| | |
|---|---|
| input | Either a text string input or website URL. Either `text` or `url` argument has to be specified, but not both. |
| input_type | Specify what type of input was entered. Either `text` or `url` argument has to be specified, but not both. |
| limit | The number of sentiments to return. |
| version | The release date of the API version to use. Default value is `version="?version=2018-03-16"` |

## Value

A dataframe that contains the likelihood that the contents of the URL or text belong to a particular category.

[8] https://github.com/johannesharmse/watsonNLU/blob/master/README.md
[9] https://github.com/johannesharmse/watsonNLU/blob/master/README.md