
py-textteaser Documentation

Release 0.1

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August 06, 2013

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INSTALLATION

If you have already downloaded textteaser, run the following command inside this directory:

```
$ python setup.py install
```

If you have not yet downloaded textteaser, it would be easier to do the following:

```
$ pip install textteaser
```

Either method will install textteaser into your current environment.

SUMMARIZING TEXT

TextTeaser objects are instantiated with your Mashape API key:

```
>>> import textteaser
>>> tt = textteaser.TextTeaser('foobarbaz') # replace 'foobarbaz' with your API key
```

You can then call the summarize method with text and a title:

```
>>> text = """
Lorem ipsum dolor sit amet, consectetur adipiscing elit. Donec a diam lectus.
Sed sit amet ipsum mauris. Maecenas congue ligula ac quam viverra nek
consectetur ante hendrerit. Donec et mollis dolor. Praesent et diam eget libero
egestas mattis sit amet vitae augue. Nam tincidunt congue enim, ut porta lorem
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ligula semper consectetur sagittis, nisi diam iaculis velit, id fringilla sem
nunc vel mi. Nam dictum, odio nec pretium volutpat, arcu ante placerat erat,
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facilisis lectus ac semper. Aliquam at massa ipsum. Quisque bibendum purus
convallis nulla ultrices ultricies. Nullam aliquam, mi eu aliquam tincidunt,
purus velit laoreet tortor, viverra pretium nisi quam vitae mi. Fusce vel
volutpat elit. Nam sagittis nisi dui.
"""
>>> title = 'Lorem ipsum example'
>>> sentences = tt.summarize(text, title)
```

The summarize method returns a list of sentences:

```
>>> for sentence in sentences:
>>>     print sentence
u'Lorem ipsum dolor sit amet, consectetur adipiscing elit.',
u'Sed sit amet ipsum mauris.',
```

```
u'Nam tincidunt congue enim, ut porta lorem\nlacinia consectetur.',  
u'Lorem ipsum dolor sit amet, consectetur adipiscing elit.',  
u'Aenean ut gravida\nloreem.'
```

You can capture the `_id` member variable to more quickly retrieve your previously summarized text:

```
>>> _id = tt._id  
...  
>>> cached_sentences = tt.summarize('', '', kwargs={'id': '_id'})  
  
>>> for sentence in cached_sentences:  
>>>     print sentence  
u'Lorem ipsum dolor sit amet, consectetur adipiscing elit.',  
u'Sed sit amet ipsum mauris.',  
u'Nam tincidunt congue enim, ut porta lorem\nlacinia consectetur.',  
u'Lorem ipsum dolor sit amet, consectetur adipiscing elit.',  
u'Aenean ut gravida\nloreem.'
```

As you can see, `cached_sentences` and `sentences` match.

API DOCUMENTATION

`class textteaser.TextTeaser (apikey)`

summarize (*text, title, kwargs=None*)

Summarize the given text.

Args: *text*: A string containing the article to summarize.

title: A string containing a title for the article.

kwargs: A dictionary with the following possible strings:

id: A string containing a unique identifier for the summary. Caches the request for faster retrieval in the future.

category: A string containing the category of the article.

blog: A string containing the blog or source of the article.

Raises: `textteaser.exceptions.APIKeyError`

`textteaser.exceptions.ServerError`

`requests.exceptions.HTTPError`

Returns: A list of strings, each being a sentence of the summary.

DEVELOPMENT

All development for textteaser takes place on bitbucket:

- <https://bitbucket.org/jgoettsch/py-textteaser/>

To get started you can do the following:

```
$ hg clone https://bitbucket.org/jgoettsch/py-textteaser/  
$ cd py-textteaser  
$ pip install -r requirements_dev.txt  
$ python setup.py develop
```

If you discover a bug, please create an issue ticket:

- <https://bitbucket.org/jgoettsch/py-textteaser/issues/new>

To run the test suite, you will have to create a module at:

```
textteaser/tests/apikey.py
```

with a global variable, `APIKEY`, which is a string containing your API key. Then you can run the test suite with `nosetests`:

```
$ nosetests --with-coverage --cover-package=textteaser textteaser/tests/tests.py
```

or through `setup.py`:

```
$ python setup.py test
```


CHANGELOG

For a full history of changes see the commit history:

- <https://bitbucket.org/jgoettsch/py-textteaser/commits/all>

version 0.1dev2

- `TextTeaser.summarize()` now raises `textteaser.exceptions.APIKeyError` and `textteaser.exceptions.ServerError` when appropriate.

version 0.1dev1

- Fixed broken install.
- It's now possible to run the unit tests through `setup.py`.

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Version 3, 19 November 2007

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