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# autotweet Documentation

*Release 0.2.5*

**Kjwon15**

May 16, 2015



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## autotweet — Library for machine learning your tweet

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### 1.1 autotweet.answer — Answering module

This module can auto answering to mentions to you or auto mentioning to others tweet.

### 1.2 autotweet.command — CLI interface

This module provides command line interface.

### 1.3 autotweet.database — Database structure

This module provides methods to get session, get answer, etc.

**exception** `autotweet.database.NoAnswerError` (*msg*)  
Raises when autotweet can not found best answer to a question.

**Parameters** `msg` (*str*) – A message for the exception

`autotweet.database.get_count` (*session*)  
Get count of Document.

**Parameters** `session` (`sqlalchemy.orm.Session`) – DB session

`autotweet.database.get_session` (*url*)  
Get db session.

**Parameters** `url` (*str*) – URL for connect with DB

**Returns** A sqlalchemy db session

**Return type** `sqlalchemy.orm.Session`

`autotweet.database.add_document` (*session, question, answer*)  
Add question answer set to DB.

**Parameters**

- **session** (`sqlalchemy.orm.Session`) – DB session
- **question** (*str*) – A question to an answer
- **answer** (*str*) – An answer to a question

`autotweet.database.get_best_answer` (*session*, *query*)

Get best answer to a question.

**Parameters**

- **session** (`sqlalchemy.orm.Session`) – DB session
- **query** (`str`) – A question to get an answer

**Returns** An answer to a question

**Return type** `str`

**Raises** `NoAnswerError` when can not found answer to a question

`autotweet.database.recreate_grams` (*session*)

Re-create grams for database.

In normal situations, you never need to call this method. But after migrate DB, this method is useful.

**Parameters** **session** (`sqlalchemy.orm.Session`) – DB session

`autotweet.database.recalc_idfs` (*session*, *grams=None*)

Re-calculate idfs for database.

calculating idfs for gram is taking long time. So I made it calculates idfs for some grams. If you want make accuracy higher, use this with `grams=None`.

**Parameters**

- **session** (`sqlalchemy.orm.Session`) – DB session
- **grams** (A set of `Gram`) – grams that you want to re-calculating idfs

## 1.4 `autotweet.learn` — Learning your tweets

This module learns your tweets and store it to database.

## 1.5 `autotweet.twitter` — Twitter utilities

This module contains Twitter API key and some useful methods.

`autotweet.twitter.CONSUMER_KEY = '62yWrV2RhpGgWOKlqvJPNQ'`

Consumer key for autotweet.

`autotweet.twitter.CONSUMER_SECRET = 'Je6NLI7AN3c1BJP9kHaq1p8GBkMyKs5GhX954dWJ6I'`

Consumer secret key for autotweet.

`autotweet.twitter.authorize` ()

Authorize to twitter.

Use PIN authentication.

**Returns** Token for authenticate with Twitter.

**Return type** `autotweet.twitter.OAuthToken`

`autotweet.twitter.strip_tweet` (*text*, *remove\_url=True*)

Strip tweet message.

This method removes mentions strings and urls(optional).



**Parameters**

- **text** (`str`) – tweet message
- **remove\_url** (`boolean`) – Remove urls. default `True`.

**Returns** Striped tweet message

**Return type** `str`



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## Indices and tables

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