
Genderize Documentation

Release 0.3.1

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Client for the [Genderize.io](https://genderize.io/) web service.

CHAPTER 1

Basic usage

Import the Genderize class and call its `get` method with a list of names.

```
from genderize import Genderize
print(Genderize().get(['James', 'Eva', 'Thunderhorse']))
```

```
[{'count': 1037, 'gender': 'male', 'name': 'James', 'probability': 0.99},
 {'count': 234, 'gender': 'female', 'name': 'Eva', 'probability': 1.0},
 {'gender': None, 'name': 'Thunderhorse'}]
```


CHAPTER 2

Shell usage

If run as a script, takes a list of names on stdin, and prints them with their genders.

```
echo "James\nEva\nThunderhorse" | python -m genderize
```

```
James: male  
Eva: female  
Thunderhorse: None
```


CHAPTER 3

Advanced usage

Create a Genderize instance with a custom user agent, an [API key](#), and a shorter timeout than the default 30 seconds. Note that you'll need to use your own API key or this example won't work.

```
from genderize import Genderize
genderize = Genderize(
    user_agent='GenderizeDocs/0.0',
    api_key='example_api_key',
    timeout=5.0)
print(genderize.get(['James', 'Eva', 'Thunderhorse']))
```

```
[{'count': 1037, 'gender': 'male', 'name': 'James', 'probability': 0.99},
 {'count': 234, 'gender': 'female', 'name': 'Eva', 'probability': 1.0},
 {'gender': None, 'name': 'Thunderhorse'}]
```


CHAPTER 4

Maintenance

Setup for local development:

```
virtualenv --prompt '(genderize) ' venv -p python3
pip install -r requirements.txt
pip install -r requirements-dev.txt
```

Release checklist:

1. Generate a new version number: `major.minor.micro`. It should be compatible with both [PEP 440](#) and [SemVer 2.0.0](#).
2. Update `__version__` in `genderize/__init__.py`. This is read by `setup.py` and doesn't need to be changed there.
3. Add a changelog entry and date for the new version in `CHANGES.rst`.
4. Commit the changes. This may be done as part of another change.
5. Tag the commit with `git tag major.minor.micro`.
6. Push the tag to GitHub with `git push origin major.minor.micro`.
7. Travis will create a new PyPI release from the tag.

5.1 genderize package

5.1.1 Module contents

Client for Genderize.io web service.

class `genderize.Genderize` (*user_agent=None, api_key=None, timeout=30.0*)
Bases: `object`

Client for Genderize.io web service. Uses a Requests session for persistent HTTP connections.

BATCH_SIZE = 10

get (*names, country_id=None, language_id=None, reheader=False*)

Look up gender for a list of names. Can optionally refine search with locale info. May make multiple requests if there are more names than can be retrieved in one call.

Parameters

- **names** (*Iterable[str]*) – List of names.
- **country_id** (*Optional[str]*) – Optional ISO 3166-1 alpha-2 country code.
- **language_id** (*Optional[str]*) – Optional ISO 639-1 language code.
- **reheader** (*Optional[boolean]*) – Optional

Returns

If reheader is False:

List of dicts containing ‘name’, ‘gender’, ‘probability’, ‘count’ keys. If ‘gender’ is None, ‘probability’ and ‘count’ will be omitted.

else: A dict containing ‘data’ and ‘headers’ keys. Data is the same as when reheader is False. Headers are the response header (a `requests.structures.CaseInsensitiveDict`). If multiple requests were made, the header will be from the last one.

Return type Union[dict, Sequence[dict]]

Raises *GenderizeException* – if API server returns HTTP error code.

get1 (*name*, ***kwargs*)

Look up gender for a single name. See *get* (). Doesn't support reheader option.

exception *genderize.GenderizeException*

Bases: *exceptions.Exception*

Exception from Genderize.io web service.

6.1 0.3.1

2018-12-24

- Added missing `setup.py` classifier for Python 3.7.

6.2 0.3.0

2018-12-21

- Added support for [Requests connection/read timeouts](#), with a default of 30 seconds.
- Now tested on Python 3.7.
- Added fix to `.travis.yml` for broken PyPI publishing. See [travis-ci/dpl #861](#) and [Releasing build artifacts](#).

6.3 0.2.0

2018-05-15

- Now respects the API limit of 10 names per request, and will break up larger name lists into multiple API requests transparently. This closes [issue #6](#), reported by [neginahoomi](#).
- Now tested on Python 3.6, PyPy 2, and PyPy 3 as well, and generates Codecov coverage reports.
- Dropped support for Python 2.6 and 3.2.
- Updated author's contact info.

6.4 0.1.5

2015-10-09

- Incorporated [vionemc](#)'s patch for optionally returning response headers. Anyone that wants to inspect the rate limit headers should set `reheader=True`.
- Now tested on Python 3.5 as well.

6.5 0.1.4

2015-06-21

- Switched to HTTPS endpoint.
- Incorporated [granteagon](#)'s patch for `_fixtypes`.
- Added support for paid API keys.
- Included Sphinx API docs.

6.6 0.1.3

2015-01-16

- Supports Python 2.6, 2.7, 3.2, 3.3, and 3.4.
- Added an integration test that calls the Genderize.io API server.
- Now using Travis CI.

6.7 0.1.2

2014-11-26

- Python 3 support.

6.8 0.1.1

2014-06-20

- Incorporated [oychang](#)'s patch for handling non-JSON error responses.

6.9 0.1.0

2014-03-15

- Initial release.

CHAPTER 7

Indices and tables

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