
ISLEX pronunciation dictionary accessors Documentation

Release 0.2.4

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Contents:

ISLE pronunciation dictionary core entries

Data package containing core entries of the ISLE dictionary (those with part-of-speech-tags, excluding named-entities).

- Free software: MIT license
- Documentation: <https://islex-core.readthedocs.io>.

1.1 Features

- Core entries from the ISLE dictionary (those that have a part-of-speech tag or a morphological analysis and are *not* exclusively *NNP* or *NNPS*).
- See also the *NNP[S]* types in *islex-entities* and the remainder in *islex-periphery*.

1.2 Credits

Package author is [Jeremy G Kahn](#), repackaging the very useful [ISLE pronunciation lexicon](#) from the [Illinois Speech and Language Engineering](#) group.

This package was created with [Cookiecutter](#) and the [audreyr/cookiecutter-pypackage](#) project template.

Installation

2.1 Stable release

To install ISLEX pronunciation dictionary core entries, run this command in your terminal:

```
$ pip install islex-core
```

This is the preferred method to install the core data entries, as it will always install the most recent stable release.

If you don't have `pip` installed, this [Python installation guide](#) can guide you through the process.

2.2 From sources

The sources for ISLEX pronunciation dictionary core entries can be downloaded from the [Github repo](#).

You can either clone the public repository:

```
$ git clone git://github.com/jkahn/islex-core
```

Or download the `tarball`:

```
$ curl -OL https://github.com/jkahn/islex-core/tarball/master
```

Once you have a copy of the source, you can install it with:

```
$ python setup.py bdist_wheel  
$ pip install -U dist/*.whl
```

2.3 Release checklist

Update `HISTORY.rst` with release notes for *upcoming* release. Commit to master.

Check that everything still works:

```
$ make test-all
```

Update the version number:

```
$ bumpversion patch # or minor, or major?
```

Make sure everything still works:

```
$ make test-all
```

Push the version bump and its tag up to the repo:

```
$ git push; git push --tags
```

Expect (if you're Jeremy) that travis will push the wheel to pypi.

Edit the release on Github (e.g. <https://github.com/jkahn/islex/releases>). Paste release notes into the release's release page, and come up with a title for the release.

Usage

To use ISLEX pronunciation dictionary accessors in a project:

```
from islex.data.core import entries_stream
```

which provides a streaming iterator over the entries provided here.

Contributing

Contributions are welcome, and they are greatly appreciated! Every little bit helps, and credit will always be given.

You can contribute in many ways:

4.1 Types of Contributions

4.1.1 Report Bugs

Report bugs at <https://github.com/jkahn/islex-core/issues>.

If you are reporting a bug, please include:

- Your operating system name and version.
- Any details about your local setup that might be helpful in troubleshooting.
- Detailed steps to reproduce the bug.

4.1.2 Fix Bugs

Look through the GitHub issues for bugs. Anything tagged with “bug” and “help wanted” is open to whoever wants to implement it.

4.1.3 Implement Features

Look through the GitHub issues for features. Anything tagged with “enhancement” and “help wanted” is open to whoever wants to implement it.

4.1.4 Write Documentation

These datasets could always use more documentation, whether as part of the official *islex* docs, in docstrings, or even on the web in blog posts, articles, and such. Please consider adding documentation for *islex* directly.

4.1.5 Submit Feedback

The best way to send feedback is to file an issue at <https://github.com/jkahn/islex-core/issues>.

If you are proposing a feature:

- Explain in detail how it would work.
- Keep the scope as narrow as possible, to make it easier to implement.
- Remember that this is a volunteer-driven project, and that contributions are welcome :)

4.2 Get Started!

Ready to contribute? Here's how to set up *islex* for local development.

1. Fork the *islex* repo on GitHub.
2. Clone your fork locally:

```
$ git clone git@github.com:your_name_here/islex-core.git
```

3. Install your local copy into a virtualenv. Assuming you have `virtualenvwrapper` installed, this is how you set up your fork for local development:

```
$ mkvirtualenv islex-core
$ cd islex-core/
$ python setup.py develop
```

4. Create a branch for local development:

```
$ git checkout -b name-of-your-bugfix-or-feature
```

Now you can make your changes locally.

5. When you're done making changes, check that your changes pass `flake8` and the tests, including testing other Python versions with `tox`:

```
$ flake8 islex-core tests
$ python setup.py test or py.test
$ tox
```

To get `flake8` and `tox`, just `pip` install them into your virtualenv.

6. Commit your changes and push your branch to GitHub:

```
$ git add .
$ git commit -m "Your detailed description of your changes."
$ git push origin name-of-your-bugfix-or-feature
```

7. Submit a pull request through the GitHub website.

4.3 Pull Request Guidelines

Before you submit a pull request, check that it meets these guidelines:

1. The pull request should include tests.

2. If the pull request adds functionality, the docs should be updated. Put your new functionality into a function with a docstring, and add the feature to the list in README.rst.
3. The pull request should work for Python 2.6, 2.7, 3.3, 3.4 and 3.5, and for PyPy. Check https://travis-ci.org/jkahn/islex-core/pull_requests and make sure that the tests pass for all supported Python versions.

4.4 Tips

To run a subset of tests:

```
$ py.test tests.test_islex
```

Roadmap

No additional work except perhaps cleaning up a few entries here.

Credits

6.1 Development Lead

- Jeremy G. Kahn <jeremy@trochee.net>

6.2 Contributors

Data sourced from the ISLE project lexicon.

History

7.1 0.1.1 (26 July 2016)

- redeployed with automatic push to pypi by travis.

7.2 0.1.0 (26 July 2016)

- First git checkin of core data, with configuration managed upstream.