ia-markov

Release 0.2.1

Sep 02, 2018

Contents

1 Overview **1**
- 1.1 Installation . . . 1
- 1.2 Quick Start . . . 1
- 1.3 Documentation . . . 2
- 1.4 Development . . . 2

2 Installation **3**

3 Usage **5**

4 Reference **7**
- 4.1 ia_markov . . . 7

5 Contributing **9**
- 5.1 Bug reports . . . 9
- 5.2 Documentation improvements . . . 9
- 5.3 Feature requests and feedback . . . 9
- 5.4 Development . . . 10

6 Authors **11**

7 Changelog **13**
- 7.1 0.2.0 (2018-7-29) . . . 13
- 7.2 0.1.3 (2018-7-22) . . . 13
- 7.3 0.1.2 (2018-7-21) . . . 13
- 7.4 0.1.1 (2018-7-14) . . . 13
- 7.5 0.1.0 (2016-11-27) . . . 13

8 Indices and tables **15**

Python Module Index **17**

CHAPTER 1

Overview

docs	
tests	
package	

Create Markov models trained on Internet Archive text files.

- Free software: BSD license

1.1 Installation

```
pip install ia-markov
```

1.2 Quick Start

```
from ia_markov import MarkovModel

m = MarkovModel()
m.train_model('FuturistManifesto')
m.model.make_sentence()
'Courage, audacity, and revolt will be drunk with love and admiration for us.'
```

1.3 Documentation

https://python-ia-markov.readthedocs.io/

1.4 Development

To run the all tests run:

```
tox
```

Note, to combine the coverage data from all the tox environments run:

Windows	`set PYTEST_ADDOPTS=--cov-append` `tox`
Other	`PYTEST_ADDOPTS=--cov-append tox`

CHAPTER 2

Installation

At the command line:

```
pip install ia-markov
```

CHAPTER 3

Usage

To use ia-markov in a project:

```
import ia_markov
```

CHAPTER 4

Reference

4.1 ia_markov

CHAPTER 5

Contributing

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

5.1 Bug reports

When 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.

5.2 Documentation improvements

ia-markov could always use more documentation, whether as part of the official ia-markov docs, in docstrings, or even on the web in blog posts, articles, and such.

5.3 Feature requests and feedback

The best way to send feedback is to file an issue at https://github.com/accraze/python-ia-markov/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 code contributions are welcome :)

5.4 Development

To set up *python-ia-markov* for local development:

1. Fork python-ia-markov (look for the "Fork" button).
2. Clone your fork locally:

```
git clone git@github.com:your_name_here/python-ia-markov.git
```

3. Create a branch for local development:

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

   Now you can make your changes locally.

4. When you're done making changes, run all the checks, doc builder and spell checker with tox one command:

```
tox
```

5. 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
```

6. Submit a pull request through the GitHub website.

5.4.1 Pull Request Guidelines

If you need some code review or feedback while you're developing the code just make the pull request.

For merging, you should:

1. Include passing tests (run `tox`)[1].
2. Update documentation when there's new API, functionality etc.
3. Add a note to `CHANGELOG.rst` about the changes.
4. Add yourself to `AUTHORS.rst`.

5.4.2 Tips

To run a subset of tests:

```
tox -e envname -- py.test -k test_myfeature
```

To run all the test environments in *parallel* (you need to `pip install detox`):

```
detox
```

[1] If you don't have all the necessary python versions available locally you can rely on Travis - it will run the tests for each change you add in the pull request.
It will be slower though ...

CHAPTER 6

Authors

- Andy Craze - accraze.info

CHAPTER 7

Changelog

7.1 0.2.0 (2018-7-29)

- Added ability to set custom hidden state sizes
- Fix flaky model test

7.2 0.1.3 (2018-7-22)

- EOL Py2.7 and Windows support
- Fix docs CI build

7.3 0.1.2 (2018-7-21)

- Test mocks when downloading corpus
- Deprecate Windows/appveyor support

7.4 0.1.1 (2018-7-14)

- Fixed failing flake8 check tests
- Updated travis CI build config

7.5 0.1.0 (2016-11-27)

- First release on PyPI.

CHAPTER 8

Indices and tables

- genindex
- modindex
- search

Python Module Index

i

ia_markov, 7

Index

I

ia_markov (module), 7