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# **Absorbing Random-Walk Centrality**

***Release 1.0***

August 27, 2015



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## Overview

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### 1.1 Absorbing Random-Walk Centrality

- Free software: ISC license

#### 1.1.1 Installation

```
pip install absorbing_centrality
```

#### 1.1.2 Documentation

<https://absorbing-centrality.readthedocs.org/>

#### 1.1.3 Development

To run the all tests run:

```
tox
```





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### Installation

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At the command line:

```
pip install absorbing_centrality
```



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### Usage

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To use Absorbing Random-Walk Centrality in a project:

```
import absorbing_centrality
```



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**Reference**

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**4.1 absorbing\_centrality**



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## Contributing

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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

Absorbing Random-Walk Centrality could always use more documentation, whether as part of the official Absorbing Random-Walk Centrality 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/harrymvr/absorbing-centrality/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 :)

### 5.4 Development

To set up *absorbing-centrality* for local development:

1. [Fork absorbing-centrality on GitHub](#).
2. Clone your fork locally:

```
git clone git@github.com:your_name_here/absorbing-centrality.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`)<sup>1</sup>.
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
```

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<sup>1</sup> 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 ...



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### Authors

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- Charalampos Mavroforakis - <http://cs-people.bu.edu/cmav>
- Michael Mathioudakis - <http://michalis.co>
- Aristides Gionis - <http://users.ics.aalto.fi/gionis/>



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## Changelog

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### 7.1 0.1 (2015-08-31)

- Skeleton of the package.



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## Indices and tables

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- `modindex`
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