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# **robby Documentation**

***Release 0.1.0***

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# CHAPTER 1

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## Robby

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Probabilities as a Service  Available as a docker container with `docker pull sdehaan/robby`. The docker container allow the for the following environment variables:

- REDIS\_HOST, defaults to 127.0.0.1
- REDIS\_PORT, defaults to 6379
- REDIS\_DB, defaults to 1
- ROBBY\_PORT, defaults to 8080
- ROBBY\_PREFIX, the prefix for Redis keys, defaults to robby
- ROBBY\_STEMMING\_LANGUAGE, defaults to english
- ROBBY\_TOKENIZER, the python callable to use for tokenizing. Defaults to `robby.utils.english_tokenizer`, `robby.utils.dumb_tokenizer` is also available.

Or `pip install robby` and run directly:

```
robby \  
  --redis-uri redis://127.0.0.1:6379/1 \  
  --interface 0.0.0.0 \  
  --port 8080 \  
  --prefix robby \  
  --stemming \  
  --stemming-language=english \  
  --tokenizer=robby.utils.english_tokenizer \  
  --debug
```

## 1.1 API

To train it:

```
$ curl -d 'training sample' http://localhost:8080/train/bucket-name/category
```

To untrain it:

```
$ curl -d 'training sample' http://localhost:8080/untrain/bucket-name/category
```

To train it in batches:

```
$ curl -d '[{"category": "category", "content": "training sample"}]' http://  
→localhost:8080/batch/train/bucket-name
```

To classify:

```
$ curl -d 'sample message' http://localhost:8080/classify/bucket-name  
{  
  "category": "category"  
}
```

To get scoring:

```
$ curl -d 'sample message' http://localhost:8080/score/bucket-name  
{  
  "category": 0.01  
}
```

To get clear the db:

```
$ curl -X DELETE http://localhost:8080/flush/bucket-name
```



## CHAPTER 2

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### Installation

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At the command line:

```
$ easy_install robbly
```

Or, if you have virtualenvwrapper installed:

```
$ mkvirtualenv robbly  
$ pip install robbly
```



## CHAPTER 3

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### Usage

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To use robbly in a project:

```
import robbly
```



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/smn/robby/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” is open to whoever wants to implement it.

### 4.1.3 Implement Features

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

### 4.1.4 Write Documentation

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

### 4.1.5 Submit Feedback

The best way to send feedback is to file an issue at <https://github.com/smn/robby/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 *robby* for local development.

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

```
$ git clone git@github.com:your_name_here/robby.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 robby
$ cd robby/
$ 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 robby tests
$ python setup.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, and 3.4, and for PyPy. Check [https://travis-ci.org/smn/robby/pull\\_requests](https://travis-ci.org/smn/robby/pull_requests) and make sure that the tests pass for all supported Python versions.

## 4.4 Tips

To run a subset of tests:

```
$ python -m unittest tests.test_robby
```





### 5.1 Development Lead

- Simon de Haan <[simon@praekeltfoundation.org](mailto:simon@praekeltfoundation.org)>

### 5.2 Contributors

None yet. Why not be the first?



## CHAPTER 6

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History

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## CHAPTER 7

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0.1.0 (2015-01-11)

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- First release on PyPI.



## CHAPTER 8

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### Indices and tables

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- `genindex`
- `modindex`
- `search`