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# **mxlearn Documentation**

***Release 0.1.0***

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## Contents

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<b>1</b>	<b>MXLearn: Deep learning library featuring a higher-level API for mxnet.</b>	<b>3</b>
1.1	Overview . . . . .	3
1.2	Features . . . . .	3
1.3	Installation . . . . .	3
1.4	Getting Started . . . . .	3
1.5	Examples . . . . .	3
1.6	Documentation . . . . .	4
1.7	License . . . . .	4
1.8	Credits . . . . .	4
<b>2</b>	<b>Installation</b>	<b>5</b>
2.1	Stable release . . . . .	5
2.2	From sources . . . . .	5
<b>3</b>	<b>Usage</b>	<b>7</b>
<b>4</b>	<b>Contributing</b>	<b>9</b>
4.1	Types of Contributions . . . . .	9
4.2	Get Started! . . . . .	10
4.3	Pull Request Guidelines . . . . .	11
4.4	Tips . . . . .	11
<b>5</b>	<b>Credits</b>	<b>13</b>
5.1	Development Lead . . . . .	13
5.2	Contributors . . . . .	13
<b>6</b>	<b>History</b>	<b>15</b>
6.1	0.1.0 (2017-11-26) . . . . .	15
<b>7</b>	<b>Indices and tables</b>	<b>17</b>



Contents:



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## MXLearn: Deep learning library featuring a higher-level API for mxnet.

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Deep learning library featuring a higher-level API for [mxnet](#).

- Free software: Apache Software License 2.0
- Documentation:

### 1.1 Overview

- TODO

### 1.2 Features

- TODO

### 1.3 Installation

- TODO

### 1.4 Getting Started

- TODO

### 1.5 Examples

- TODO

## 1.6 Documentation

<https://mxlearn.readthedocs.io>.

## 1.7 License

Apache Software License 2.0

## 1.8 Credits

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



### 2.1 Stable release

To install mxlearn, run this command in your terminal:

```
$ pip install mxlearn
```

This is the preferred method to install mxlearn, 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 mxlearn can be downloaded from the [Github repo](#).

You can either clone the public repository:

```
$ git clone git://github.com/classtag/mxlearn
```

Or download the [tarball](#):

```
$ curl -OL https://github.com/classtag/mxlearn/tarball/master
```

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

```
$ python setup.py install
```



## CHAPTER 3

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### Usage

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To use mxlearn in a project:

```
import mxlearn
```



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/classtag/mxlearn/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

mxlearn could always use more documentation, whether as part of the official mxlearn 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/classtag/mxlearn/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 *mxlearn* for local development.

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

```
$ git clone git@github.com:your_name_here/mxlearn.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 mxlearn
$ cd mxlearn/
$ 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 mxlearn 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/classtag/mxlearn/pull\\_requests](https://travis-ci.org/classtag/mxlearn/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_mxlearn
```





### 5.1 Development Lead

- Duo An <anduo@qq.com>

### 5.2 Contributors

None yet. Why not be the first?



#### 6.1 0.1.0 (2017-11-26)

- First release on PyPI.



## CHAPTER 7

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### Indices and tables

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