
pylearn Documentation

Release 0.1

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June 28, 2016

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This library is **outdated**. We are working on new stuff currently in pylearn2 here: <https://github.com/lisa-lab/pylearn2/>

Pylearn is a Python library for machine learning, built on top of Theano, our library for defining, optimizing and evaluating mathematical expressions involving multi-dimensional arrays.

This documentation is under construction, but you can already access the automatically-generated API doc, along with more extensive explanations for some modules.

DOWNLOAD

We recommend the latest development version, available via:

```
.. code-block:: bash
```

```
hg clone http://hg.assembla.com/pylearn Pylearn
```

The `Pylearn/pylearn` subfolder contains the Python package and must be made available to Python programs, for instance by adding the `Pylearn` root folder to your `PYTHONPATH` environment variable:

```
export PYTHONPATH=$PYTHONPATH:/path/to/Pylearn
```

Assembla project: <https://www.assembla.com/spaces/pylearn/>

DOCUMENTATION

For the moment, the following documentation is available.

- Formulas – Built-in math formulas optimized for speed and robustness
- `io.SeriesTables` module – Saves error series and other statistics during training
- API – The automatically-generated API documentation
- V2 planning – Some documentation about the planning of our next version of pylearn.

You can download the latest [PDF documentation](#), rather than reading it online.