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# **pylearn Documentation**

*Release 0.1*

**LISA lab, University of Montreal**

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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:

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

The `pylearn` subfolder should be on your `$PYTHONPATH`.



# 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.