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# **pytemplate Documentation**

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**pytemplate** is an example python library meant to demonstrate how to:

- use `nose` to write unit tests
- use `numpy`, `pandas`, and `matplotlib` speciality testing functions
- use Travis CI to run unit tests
- use Coveralls.io to examine and report test coverage
- use restructured text, `sphinx`, and `andreadthedocs.org` to document your code.



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## Dependencies

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# Installation

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- Activate your `conda` environment;
- Clone my fork from Github;
- Change to that resulting directory;
- Install via `pip`; and
- Back out of that directory to use

```
source activate metar # (omit "source" on Windows)
git clone https://github.com/phobson/pytemplate
cd pytemplate
pip install .
cd ../../
```



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**Testing**

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Tests are run via nose. Run them all with:

```
source activate pytemplate # (omit "source" on Windows)
python -c "import pytemplate; pytemplate.test() "
```

You can get fancy with:

```
python -c "import pytemplate; pytemplate.test(verbose=2, packageinfo=True, coverage=True) "
```



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**Contents:**

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**4.1** `core.events`

**4.2** `core.features`



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## Indices and tables

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