
Jupinx Documentation

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QuantEcon Development Team

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Jupinx is a collection of utilities and tools for Jupyter and Sphinx

Requires: Sphinx \geq 1.8.5 (for running tests).

A quickstart utility has been developed to help users get setup quickly with Sphinx, configured in a way to get building collections of Jupyter notebooks quickly.

1.1 Installation

To install `jupinx`:

Warning: This project is **not** yet released through PyPI. Please instead install using: `python setup.py install` from within a clone of the repository.

```
pip install jupinx
```

Note: Windows is currently not tested or supported. See [Issue #7](#)

1.2 Running `jupinx-quickstart`

Once, `jupinx` is installed, to run the `jupinx-quickstart` program you can run:

```
jupinx-quickstart
```

on a terminal.

The `jupinx-quickstart` will:

1. setup a [directory structure](#) for your project
2. check for `sphinxcontrib-jupyter` installation

3. construct `Makefile` and `conf.py` files
4. a parent document `source/index.rst`

after running the quickstart you may run `make jupyter` to build the project

1.3 Directory structure

The following directory structure is adopted during the setup:

- `./`
 - `source`: where source RST files should be added
 - `source/_static`: where `_static` assets such as figures and images are kept
 - `theme`: allows you to customise builders using themes and templates
 - `Makefile`: provides `make` commands for compiling the project
 - `conf.py`: provides configuration for `sphinx-build`

Note: `sphinx` is actually quite flexible in setting up a project in a way that suits your workflow. If you want to change directory structure this is likely possible but you will need to update your `Makefile`

Custom Configuration

This project depends on [sphinxcontrib-jupyter](#) to modify `sphinx` to work with Jupyter notebooks.

Full documentation for the extension can be found [here](#)

2.1 An Example

Let's say you have a collection of notebooks that you would like pre-executed. You can do this by modifying the `conf.py` file to enable notebook execution.

Add the following in the `conf.py` in the *jupyter* options section:

```
jupyter_execute_notebooks = True
```

as documented [here](#)

and let's imagine some of your documents produce a file required by a future document in your collection. An execution dependency can be added by:

```
jupyter_dependency_lists = {  
    'lecture2' : ['lecture1']  
    'lecture3' : ['lecture1']  
}
```

as documented [here](#)

CHAPTER 3

Credits

This project is supported by [QuantEcon](#)

Many thanks to the lead developers of this project.

- [@AakashGfude](#)

CHAPTER 4

LICENSE

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CHAPTER 5

Indices and tables

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