

---

# **pycorr Documentation**

*Release 0.1*

**Michael Chow**

June 19, 2014



|          |                                      |           |
|----------|--------------------------------------|-----------|
| <b>1</b> | <b>Setup</b>                         | <b>3</b>  |
| 1.1      | Python . . . . .                     | 3         |
| 1.2      | Installing Dependencies . . . . .    | 3         |
| 1.3      | Installing pycorr on Rondo . . . . . | 3         |
| <b>2</b> | <b>Tutorial</b>                      | <b>5</b>  |
| 2.1      | Example Pipeline . . . . .           | 5         |
| <b>3</b> | <b>API Reference</b>                 | <b>7</b>  |
| 3.1      | pycorr . . . . .                     | 7         |
| 3.2      | cli . . . . .                        | 7         |
| 3.3      | funcs_correlate . . . . .            | 7         |
| 3.4      | gen_corrmat . . . . .                | 7         |
| 3.5      | pietools . . . . .                   | 7         |
| 3.6      | statistics . . . . .                 | 7         |
| 3.7      | subject . . . . .                    | 7         |
| 3.8      | workflows . . . . .                  | 7         |
| <b>4</b> | <b>Indices and tables</b>            | <b>9</b>  |
|          | <b>Python Module Index</b>           | <b>11</b> |



Contents:



## 1.1 Python

## 1.2 Installing Dependencies

## 1.3 Installing pycorr on Rondo





This is the tutorial page

## **2.1 Example Pipeline**



---

## API Reference

---

### 3.1 pycorr

### 3.2 cli

```
#__automodule__: pycorr.cli #__currentmodule__: pycorr.cli #__autosummary__: ### AUTO-GENERATED FILE – DO NOT EDIT! #__Module: cli.export_roi #____# __automodule__: pycorr.cli.export_roi #__currentmodule__: pycorr.cli.export_roi #__autosummary__: ### AUTO-GENERATED FILE – DO NOT EDIT! #__Module: cli.permute_isc_within #____# __automodule__: pycorr.cli.permute_isc_within #__currentmodule__: pycorr.cli.permute_isc_within #__autosummary__: ### AUTO-GENERATED FILE – DO NOT EDIT! #__Module: cli.splice_dir #____# __automodule__: pycorr.cli.splice_dir #__currentmodule__: pycorr.cli.splice_dir #__autosummary__: ### __currentmodule__: pycorr.cli.export_roi #__currentmodule__: pycorr.cli.permute_isc_within #__currentmodule__: pycorr.cli.splice_dir #
```

### 3.3 funcs\_correlate

### 3.4 gen\_corrmat

#### 3.4.1 corr\_eig

#### 3.4.2 crosscor

### 3.5 pietools

### 3.6 statistics

### 3.7 subject

### 3.8 workflows



---

## Indices and tables

---

- *genindex*
- *modindex*
- *search*



**p**

`pycorr`, 7