

---

# **calendar Documentation**

***Release 0.3.13***

**David Hickman**

**Dec 06, 2017**



---

## Contents

---

<b>1</b>	<b>calendary</b>	<b>3</b>
1.1	Features . . . . .	3
1.2	Credits . . . . .	4
<b>2</b>	<b>Installation</b>	<b>5</b>
2.1	Stable release . . . . .	5
2.2	From sources . . . . .	5
<b>3</b>	<b>Usage</b>	<b>7</b>
<b>4</b>	<b>Contributing</b>	<b>9</b>
4.1	Types of Contributions . . . . .	9
4.2	Get Started! . . . . .	10
4.3	Pull Request Guidelines . . . . .	11
4.4	Tips . . . . .	11
<b>5</b>	<b>Indices and tables</b>	<b>13</b>



Contents:



Python calendar and datetime helpers.

- Free software: BSD license
- Documentation: <https://calendar.readthedocs.io>.

## 1.1 Features

Return a list of days for any year

```
cal = Calendar(2016)

weekdays = cal.weekday_calendar()
today = datetime.datetime.now().date()

for weekday, date in weekdays:
    if date < today:
        print("{0}-{1}-{2} was a {3}".format(date.month, date.day, date.year,
↪weekday))
    elif date == today:
        print("Today is {}".format(weekday))
    else:
        print("{0}-{1}-{2} will be a {3}".format(date.month, date.day, date.year,
↪weekday))
```

Return a list of only workdays (default: Monday-Friday)

```
cal = Calendar(2016)

workdays = cal.workday_calendar()

for weekday, date in workdays:
    print(weekday, date)
```

Change the workweek begin and end

```
cal = Calendar(2016)

# Work Tuesday - Saturday
workdays = cal.workday_calendar(workweek_start=1, workweek_end=5)
```

Get the calendar for a specific month

```
cal = Calendar(2016)

# July calendar
cal.month(7)

# July workweek calendar
cal.month(7, work=True, workweek_start=1, workweek_end=5)
```

Get a specific date relative to the calendar

```
cal = Calendar(2016)

# Get the third Thursday in July of 2016
cal.weekday('Thursday', month=7, ordinal=3)

# Get all Thursdays in July 2016
cal.weekday('Thursday', month=7)

# Get the third Thursday in 2016
cal.weekday('Thursday', ordinal=3)

# Get all Thursdays in 2016
cal.weekday('Thursday')

# Get all Mondays and Thursdays in July, 2016 using weekday index values
cal.weekday((0, 3), month=7)
```

## 1.2 Credits

This package was created with [Cookiecutter](#) and the [audreyr/cookiecutter-pypackage](#) project template.



### 2.1 Stable release

To install `calendar`, run this command in your terminal:

```
$ pip install calendar
```

This is the preferred method to install `calendar`, as it will always install the most recent stable release.

If you don't have `pip` installed, this [Python installation guide](#) can guide you through the process.

### 2.2 From sources

The sources for `calendar` can be downloaded from the [Github repo](#).

You can either clone the public repository:

```
$ git clone git://github.com/davidhickman/calendar
```

Or download the [tarball](#):

```
$ curl -OL https://github.com/davidhickman/calendar/tarball/master
```

Once you have a copy of the source, you can install it with:

```
$ python setup.py install
```



## CHAPTER 3

---

### Usage

---

To use calendar in a project:

```
from calendar import Calendar
```



Contributions are welcome, and they are greatly appreciated! Every little bit helps, and credit will always be given. You can contribute in many ways:

## 4.1 Types of Contributions

### 4.1.1 Report Bugs

Report bugs at <https://github.com/davidhickman/calendary/issues>.

If you are reporting a bug, please include:

- Your operating system name and version.
- Any details about your local setup that might be helpful in troubleshooting.
- Detailed steps to reproduce the bug.

### 4.1.2 Fix Bugs

Look through the GitHub issues for bugs. Anything tagged with “bug” and “help wanted” is open to whoever wants to implement it.

### 4.1.3 Implement Features

Look through the GitHub issues for features. Anything tagged with “enhancement” and “help wanted” is open to whoever wants to implement it.

### 4.1.4 Write Documentation

calendar could always use more documentation, whether as part of the official calendar docs, in docstrings, or even on the web in blog posts, articles, and such.

### 4.1.5 Submit Feedback

The best way to send feedback is to file an issue at <https://github.com/davidhickman/calendar/issues>.

If you are proposing a feature:

- Explain in detail how it would work.
- Keep the scope as narrow as possible, to make it easier to implement.
- Remember that this is a volunteer-driven project, and that contributions are welcome :)

## 4.2 Get Started!

Ready to contribute? Here's how to set up *calendar* for local development.

1. Fork the *calendar* repo on GitHub.
2. Clone your fork locally:

```
$ git clone git@github.com:your_name_here/calendar.git
```

3. Install your local copy into a virtualenv. Assuming you have virtualenvwrapper installed, this is how you set up your fork for local development:

```
$ mkvirtualenv calendar
$ cd calendar/
$ python setup.py develop
```

4. Create a branch for local development:

```
$ git checkout -b name-of-your-bugfix-or-feature
```

Now you can make your changes locally.

5. When you're done making changes, check that your changes pass flake8 and the tests, including testing other Python versions with tox:

```
$ flake8 calendar tests
$ python setup.py test or py.test
$ tox
```

To get flake8 and tox, just pip install them into your virtualenv.

6. Commit your changes and push your branch to GitHub:

```
$ git add .
$ git commit -m "Your detailed description of your changes."
$ git push origin name-of-your-bugfix-or-feature
```

7. Submit a pull request through the GitHub website.

## 4.3 Pull Request Guidelines

Before you submit a pull request, check that it meets these guidelines:

1. The pull request should include tests.
2. If the pull request adds functionality, the docs should be updated. Put your new functionality into a function with a docstring, and add the feature to the list in README.rst.
3. The pull request should work for Python 2.6, 2.7, 3.3, 3.4 and 3.5, and for PyPy. Check [https://travis-ci.org/davidhickman/calendar/pull\\_requests](https://travis-ci.org/davidhickman/calendar/pull_requests) and make sure that the tests pass for all supported Python versions.

## 4.4 Tips

To run a subset of tests:

```
$ py.test tests.test_calendar
```





## CHAPTER 5

---

### Indices and tables

---

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