
rsc-on-this-day

Release 0.4.0

Displays Royal Society of Chemistry “On This Day” facts.

Dominic Davis-Foster

Apr 26, 2024

Contents

1	Installation	1
1.1	from PyPI	1
1.2	from GitHub	1
2	Usage	3
2.1	rsc-on-this-day	3
2.2	Examples	3
2.3	Adding to ~/.bashrc	4
3	API Reference	5
3.1	clear_cache	5
3.2	get_fact	5
4	Contributing	7
4.1	Coding style	7
4.2	Automated tests	7
4.3	Type Annotations	7
4.4	Build documentation locally	8
5	Downloading source code	9
5.1	Building from source	10
6	License	11
	Python Module Index	13
	Index	15

Installation

1.1 from PyPI

```
$ python3 -m pip install rsc_on_this_day --user
```

1.2 from GitHub

```
$ python3 -m pip install git+https://github.com/domdfcoding/rsc-on-this-day@master --user
```

Once installed, `rsc_on_this_day` can be run by typing:

```
$ rsc_on_this_day
```

If `rsc_on_this_day` is not installed in a directory in `$PATH`, you may need to add `~/.local/bin/` to your `$PATH`.

Usage

2.1 rsc-on-this-day

Display the Royal Society of Chemistry “On This Day In Chemistry” fact for the given day.

If no date is given the current date is used.

```
rsc-on-this-day [OPTIONS] [MONTH] [DAY]
```

Options

--version

Show the version and exit.

--clear-cache

Clear any cached data and exit.

-w, --width <width>

The number of characters per line of the output. Set to -1 to disable wrapping.

Default 80

Arguments

MONTH

Optional argument. Default None

DAY

Optional argument. Default None

2.2 Examples

```
$ rsc_on_this_day
```

- Display the “On This Day In Chemistry” fact for today.

```
$ rsc_on_this_day Apr 1
```

- Display the “On This Day In Chemistry” fact for April 1st.

```
$ rsc_on_this_day 12 25
```

- Display the “On This Day In Chemistry” fact for 25 December.

```
$ rsc_on_this_day --clear-cache
```

- Clear any cached data.

```
$ rsc_on_this_day October 13 --width 80
```

- Display the “On This Day In Chemistry” fact for October 13th, with at most 80 characters per line.

2.3 Adding to ~/.bashrc

`rsc-on-this-day` can be run every time you open a terminal by adding `rsc-on-this-day` to your `~/.bashrc` file. For example:

```
$ echo "rsc-on-this-day" >> ~/.bashrc
```


API Reference

Displays Royal Society of Chemistry “On This Day In Chemistry” facts in your terminal.

Functions:

<code>clear_cache()</code>	Clear any cached responses.
<code>get_fact([month, day])</code>	Returns the fact for the given date.

clear_cache()

Clear any cached responses.

Return type `int`

get_fact (*month=None, day=None*)

Returns the fact for the given date.

Parameters

- **month** (`Union[str, int, None]`) – The month, either its short name (e.g. 'Oct '), its full name (e.g. 'October ') or its number (e.g. 10). Default `None`.
- **day** (`Union[str, int, None]`) – The day of the month. Default `None`.

If `month` and `day` are both left as `None` (the default) the current date is used.

Return type `Tuple[str, str]`

Contributing

`rsc_on_this_day` uses `tox` to automate testing and packaging, and `pre-commit` to maintain code quality.

Install `pre-commit` with `pip` and install the git hook:

```
$ python -m pip install pre-commit
$ pre-commit install
```

4.1 Coding style

`formate` is used for code formatting.

It can be run manually via `pre-commit`:

```
$ pre-commit run formate -a
```

Or, to run the complete autoformatting suite:

```
$ pre-commit run -a
```

4.2 Automated tests

Tests are run with `tox` and `pytest`. To run tests for a specific Python version, such as Python 3.6:

```
$ tox -e py36
```

To run tests for all Python versions, simply run:

```
$ tox
```

4.3 Type Annotations

Type annotations are checked using `mypy`. Run `mypy` using `tox`:

```
$ tox -e mypy
```

4.4 Build documentation locally

The documentation is powered by Sphinx. A local copy of the documentation can be built with `tox`:

```
$ tox -e docs
```

Downloading source code

The `rsc_on_this_day` source code is available on GitHub, and can be accessed from the following URL: <https://github.com/domdfcoding/rsc-on-this-day>

If you have `git` installed, you can clone the repository with the following command:

```
$ git clone https://github.com/domdfcoding/rsc-on-this-day
```

```
Cloning into 'rsc-on-this-day'...
remote: Enumerating objects: 47, done.
remote: Counting objects: 100% (47/47), done.
remote: Compressing objects: 100% (41/41), done.
remote: Total 173 (delta 16), reused 17 (delta 6), pack-reused 126
Receiving objects: 100% (173/173), 126.56 KiB | 678.00 KiB/s, done.
Resolving deltas: 100% (66/66), done.
```

Alternatively, the code can be downloaded in a ‘zip’ file by clicking:

Clone or download → Download Zip

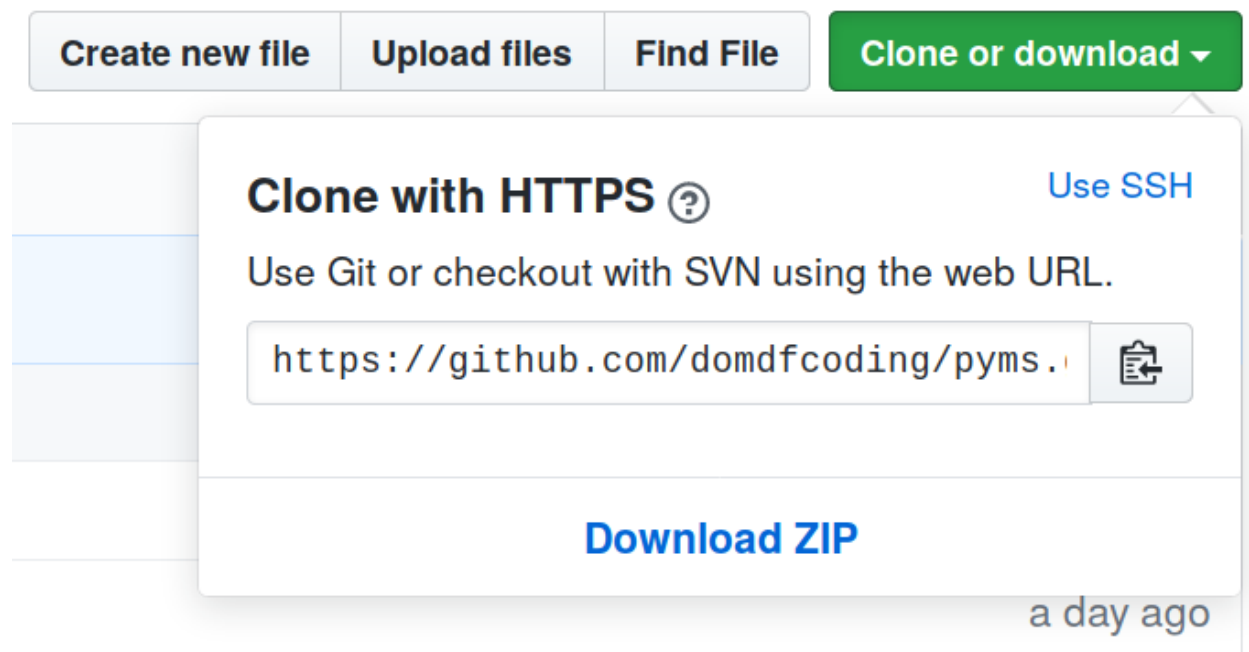


Fig. 1: Downloading a ‘zip’ file of the source code

5.1 Building from source

The recommended way to build `rsc_on_this_day` is to use `tox`:

```
$ tox -e build
```

The source and wheel distributions will be in the directory `dist`.

If you wish, you may also use `pep517.build` or another **PEP 517**-compatible build tool.

License

rsc_on_this_day is licensed under the [MIT License](#)

A short and simple permissive license with conditions only requiring preservation of copyright and license notices. Licensed works, modifications, and larger works may be distributed under different terms and without source code.

Permissions

- Commercial use – The licensed material and derivatives may be used for commercial purposes.
- Modification – The licensed material may be modified.
- Distribution – The licensed material may be distributed.
- Private use – The licensed material may be used and modified in private.

Conditions

- License and copyright notice – A copy of the license and copyright notice must be included with the licensed material.

Limitations

- Liability – This license includes a limitation of liability.
- Warranty – This license explicitly states that it does NOT provide any warranty.

[See more information on choosealicense.com](#) ⇒

```
Copyright (c) 2019-2020 Dominic Davis-Foster
```

```
Permission is hereby granted, free of charge, to any person obtaining a copy  
of this software and associated documentation files (the "Software"), to deal  
in the Software without restriction, including without limitation the rights  
to use, copy, modify, merge, publish, distribute, sublicense, and/or sell  
copies of the Software, and to permit persons to whom the Software is  
furnished to do so, subject to the following conditions:
```

```
The above copyright notice and this permission notice shall be included in all  
copies or substantial portions of the Software.
```

```
THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND,  
EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF  
MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT.  
IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM,  
DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR  
OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE  
OR OTHER DEALINGS IN THE SOFTWARE.
```


Python Module Index

r

`rsc_on_this_day`, 5

Symbols

`--clear-cache`
 rsc-on-this-day command line
 option, 3
`--version`
 rsc-on-this-day command line
 option, 3
`--width <width>`
 rsc-on-this-day command line
 option, 3
`-w`
 rsc-on-this-day command line
 option, 3

`--width <width>`, 3
`-w`, 3
DAY, 3
MONTH, 3

C

`clear_cache()` (in module *rsc_on_this_day*), 5

D

DAY
 rsc-on-this-day command line
 option, 3

G

`get_fact()` (in module *rsc_on_this_day*), 5

M

MIT License, 11
module
 rsc_on_this_day, 5
MONTH
 rsc-on-this-day command line
 option, 3

P

Python Enhancement Proposals
 PEP 517, 10

R

rsc_on_this_day
 module, 5
rsc-on-this-day command line option
 `--clear-cache`, 3
 `--version`, 3