
jicparameters Documentation

Release 0.1.0

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October 25, 2016

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1.1 The jicparameters Python package

Python package making it easier to work with lots of parameters.

- Documentation: <http://jicparameters.readthedocs.io/en/latest/>
- GitHub: <https://github.com/JIC-CSB/jicparameters>
- Free software: MIT License

1.1.1 Features

- Lightweight: only depends on PyYAML
- Cross-platform: Linux, Mac and Windows are all supported
- Tested with Python 2.7, 3.3, 3.4, and 3.5

1.1.2 Quick Guide

To install jicparameters:

```
git clone https://github.com/JIC-CSB/jicparameters.git
cd jicparameters
python setup.py install
```

Create some parameters:

```
>>> from jicparameters import Parameters
>>> params = Parameters(pi=3.14, radius=10)
>>> params
{'pi': 3.14, 'radius': 10}
```

Add another parameter:

```
>>> params["fudge_factor"] = 42
>>> params
{'fudge_factor': 42, 'pi': 3.14, 'radius': 10}
```

View as YAML:

```
>>> print(params.to_yaml())
---
fudge_factor: 42
pi: 3.14
radius: 10
```

Save to file:

```
>>> params.to_file("params.yml")
```

Read from file:

```
>>> p2 = Parameters.from_file("params.yml")
>>> assert params == p2
```

1.1.3 History

0.1.0

- Initial upload to PyPi

1.2 API documentation

1.2.1 jicparameters

Module to make it easier to work with lots of parameters.

class `jicparameters.Parameters`

Class for storing, reading in and writing out parameters.

classmethod `from_file(fpath)`

Read parameters from file.

classmethod `from_yaml(string)`

Return Parameter instance from yaml string.

to_file(fpath)

Write parameters to file.

to_yaml()

Return yaml string representation.

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