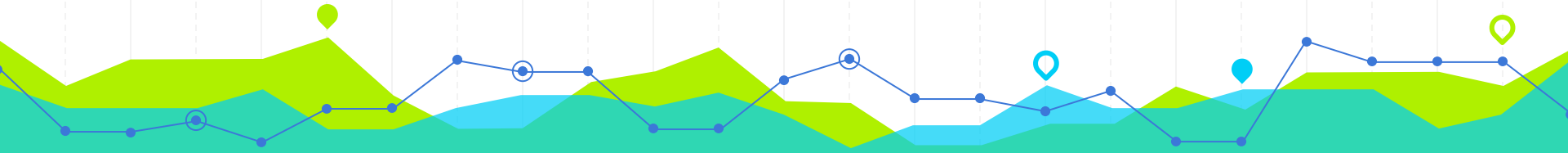


Open Source for Open Science

I am Ayush Garg

The Author of **pygetpapers**

An Open Source tool supporting automated retrieval of scientific literature

pygetpapers is a tool to assist text miners. It makes requests to open access scientific text repositories, analyses the hits, and systematically downloads the articles without further interaction.

```python
class Pygetpapers:
    """[summary]"""

    def __init__(self):
        """This function makes all the constants"""
        self.crossref = CrossRef()
        self.arxiv = Arxiv()
        self.europe_pmc = EuropePmc()
        self.rxiv = Rxiv()
        self.rxivist = Rxivist()
        self.download_tools = DownloadTools("europepmc")
        self.version = self.download_tools.get_version()

    @staticmethod
    def handle_adding_terms_from_file(args):
        """This functions handles the adding of terms to the
```

INPUT:

```
pygetpapers --api rxivist -q "biomedicine" -k 10 -c -x -o "biomedicine_rxivist" --makehtml -p
```

OUTPUT:

```
WARNING: Pdf is not supported for this api
INFO: Final query is biomedicine
INFO: Making Request to rxivist
INFO: Making csv files for metadata at C:\Users\shweata\biomedicine_rxivist
100%|
INFO: Making html files for metadata at C:\Users\shweata\biomedicine_rxivist
100%|
INFO: Making xml files for metadata at C:\Users\shweata\biomedicine_rxivist
100%|
INFO: Wrote metadata file for the query
INFO: Writing metadata file for the papers at C:\Users\shweata\biomedicine_rxivist
100%|
```

https://github.com/petermr/pygetpapers

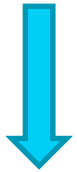
pip install pygetpapers

What motivated me to contribute to open source?

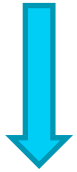
Medium Behind Human Progress

- Science is all about asking questions
- Every question that we ask leads to creation of 10 more
- Humanity comes together to collectively solve these questions

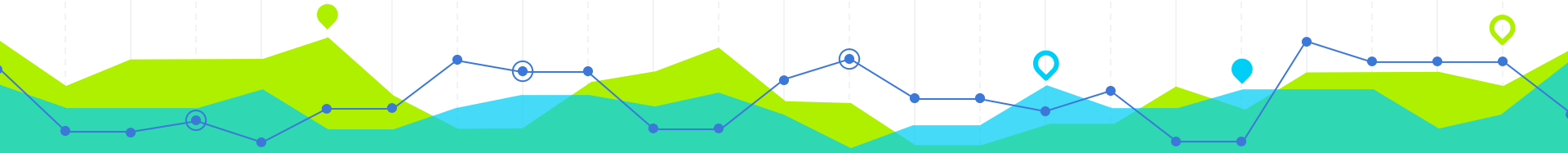
OPEN AND INCLUSIVE SCIENCE



PROMOTE FREE AND OPEN ACCESS



PYGETPAPERS X CEVOPEN

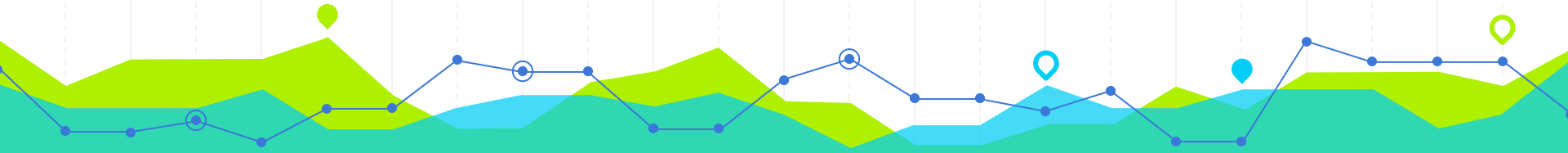


Who can do science and contribute to open source?

Is with people wearing white labcoats?

Scientists vs Musician

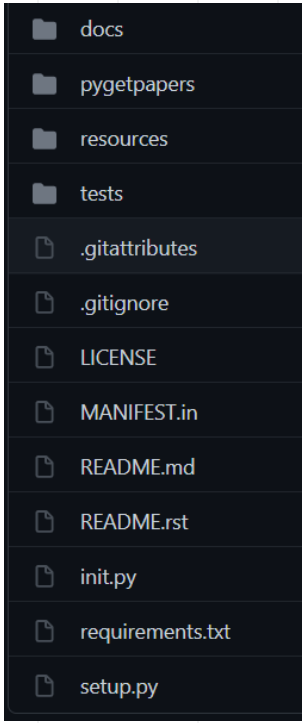
Catch that motivation and inspiration and the rest will become history.

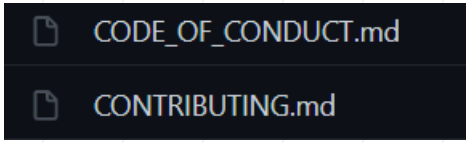


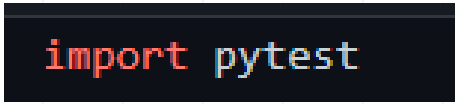
What makes good open source ?

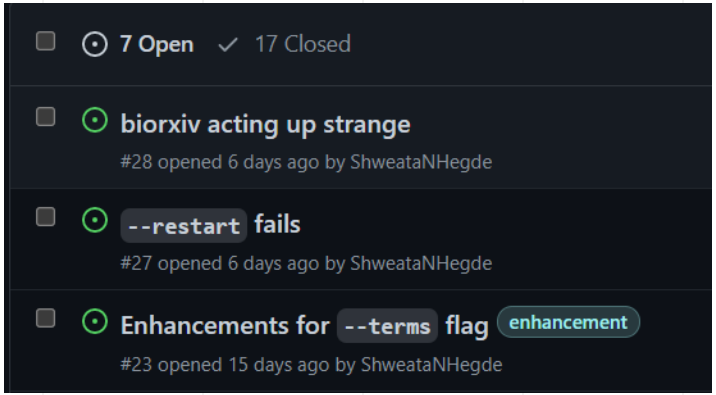
- Code conformance
- Documentation
- Flawless packaging
- Good issues
- Unit tests

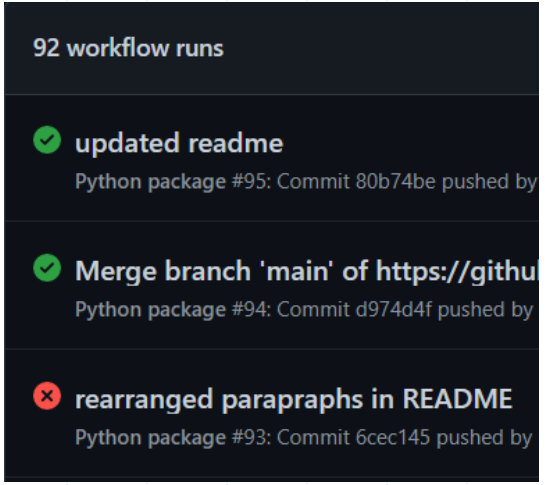
- code of conduct
- license
- contributing
- workflows











Don’t ever let anything stop you from fulfilling your passion of contributing to science.

A piece of knowledge, unlike a piece of physical property, can be shared by large groups of people without making anybody poorer – Aaron Swartz