

Extras

December 9, 2020

1 Extra

Two extra sections that can be covered depending on time.

2 Plug to a CI

```
name: test
```

```
on:
```

```
  push:
  pull_request:
  # Run daily at 0:01 UTC
  schedule:
  - cron: '1 0 * * *'
```

```
jobs:
```

```
  test:
```

```
    runs-on: ${{ matrix.os }}
```

```
    strategy:
```

```
      matrix:
```

```
        os: [ubuntu-latest, macOS-latest]
        python-version: [3.6, 3.7, 3.8]
```

```
    steps:
```

```
      - uses: actions/checkout@master
      - name: Set up Python ${{ matrix.python-version }}
        uses: actions/setup-python@v1.1.1
        with:
          python-version: ${{ matrix.python-version }}
      - name: Install dependencies
        run: |
          python -m pip install --upgrade pip setuptools wheel
          python -m pip install -r requirements.txt
      - name: Lint with Black
        if: matrix.python-version == 3.7 && matrix.os == 'ubuntu-latest'
        run: |
          python -m black --check --diff -l 80 .
```

```

- name: Lint imports with isort
  if: matrix.python-version == 3.7 && matrix.os == 'ubuntu-latest'
  run: |
    python -m isort -w 80 -m 3 --trailing-comma --check-only .
- name: Test with pytest
  run: |
    python -m pytest --cov-report term-missing --cov=src --cov-fail-under=100 tests

```

3 Package software

File `setup.py`,

```

import doctest
import os
import unittest

```

```

from setuptools import find_packages, setup

```

```

setup(
    name="distances",
    author="Nikoleta Glynatsi",
    author_email="glynatsi@blahblah",
    packages=find_packages("distances"),
    url="",
    license="The MIT License (MIT)",
    description="A package to calculate distance measures.",
)

```

4 Windows Commands

5 Finding your computer's name.

Let us first let's find out the name of your computer by running:

Windows

```
$ echo %USERNAME%
```

6 Finding your current location

Now let's find out which directory (folder) we are currently in:

Windows

```
$ cd
```

This stands for “current directory”.

7 Seeing what is in your current location

To view the contents of the current directory:

Windows

```
$ dir
```

This stands for “directory”.

8 Creating a file

To create a directory:

Windows

```
$ echo <file_name>
```

Experiment with creating a file named `addition.py` in the directory `rsd-workshop`.

Windows

```
$ echo addition.py
```

9 Copying files

To copy a file:

Windows

```
$ copy <file> <new_file_directory_and_name>
```

10 Moving/renaming files

To move a file:

Windows

```
$ move <file> <new_file_directory_and_name>
```

11 Deleting files

To delete a file:

Windows

```
$ del <file>
```

12 Copying and removing directories

To copy a directory:

Windows

```
$ xcopy <dir> <target>
```

To remove a directory:

Windows

```
$ rmdir /s <dir>
```

[]: