

PyPi vs. test PyPi

Note that pypi.org and test.pypi.org are two different websites. You'll need to register separately at each website. If you only register at pypi.org, you will not be able to upload to the test.pypi.org repository.

Remember that your package name must be unique. If you use a package name that is already taken, you will get an error when trying to upload the package.

Summary of the terminal commands used in the video

```
cd binomial_package_files
python setup.py sdist
pip install twine

# commands to upload to the pypi test repository
twine upload --repository-url https://test.pypi.org/legacy/ dist/*
pip install --index-url https://test.pypi.org/simple/ dsnd-probability

# command to upload to the pypi repository
twine upload dist/*
pip install dsnd-probability
```

More PyPi resources

[This tutorial](#) explains how to distribute Python packages, including more configuration options for your `setup.py` file. You'll notice that the Python command to run the `setup.py` is slightly different, as shown in the following example:

```
python3 setup.py sdist bdist_wheel
```

This command still outputs a folder called `dist`. The difference is that you will get both a `.tar.gz` file and a `.whl` file. The `.tar.gz` file is called a *source archive*, whereas the `.whl` file is a *built distribution*. The `.whl` file is a newer type of installation file for

Python packages. When you `pip` install a package, `pip` firsts look for a .whl file (wheel file); if there isn't one, it looks for the .tar.gz file.

A .tar.gz file (an `sdist`) contains the files needed to [compile](#) and install a Python package. A .whl file (a *built distribution*) only needs to be copied to the proper place for installation. Behind the scenes, `pip` installing a .whl file has fewer steps than installing a .tar.gz file.

Other than this command, the rest of the steps for uploading to PyPi are the same.

Other Links

To learn more about PyPi, see the following resources:

- [Overview of PyPi](#)
- [MIT License](#)