

# Modularization

# The Standard Library

- Built-in functions that you can utilize

# What is a Module / Package?

- A file containing re-usable code in a particular area/category
- Reference that module in your new code file
- Created by you or others

# Modularization

- Breaking up your code into **meaningful** separate files to aid in **organization** and **interpretation** of your code

# import

- Brings in the module, or package
- Give it an alias!
  - `import` package `as` package\_nickname
- Load only certain things
  - `from` package `import` function

# Installing Packages that aren't Standard

## Use the command prompt!

### Windows

- `python -m pip install package`

### Macs

- `pip3 install package`

# Using Python for Data Science

- You'll almost exclusively pull functions from data science packages rather than making your own
- Other versions of Python come with different "standard libraries" with packages pre-installed