**Module vs Package vs Library**

***Module:*** single Python file with pieces of code of related functions like add, subtract, multiply

Compare to a single book about a topic

***Package:*** a collection of multiple related modules grouped under a single directory “–init–.py”

This is compared to a shelf with multiple related books on the same topic organized together

***Library:*** *a* collection of packages and modules for reusable code

Library with multiple shelves of books

Examples are numpy, numerical operations, pandas, data manipulation, etc.