Class 1: Python - Overview and basics

Class structure:

1. Python overview (Slides)
   - Creation context
   - Why use Python
   - Pro's and cons
   - Scientific ecossystem
   - How to find help
   - Tooling
2. Running code using terminal
   - print statment
   - shell
   - modules
   - scripts
   - jupyter
3. Jupyter basics
   - Running code
   - Markdown
   - Extensions
4. Python Basics
   - variable assignment
   - types
   - arithmetic operators
   - strings and operations
   - string interpolation
   - collections
   - Conditionals
   - Loops
   - Functions
   - Appendix object orientation
5. Python I/O
   - open/close statements (loading/saving file)
   - context manager - with
   - import libraries