

Introduction to Python 1

Goal: Showcase core functionality of python

- We will do use by going through an example of doing a data analysis
- Contents
 - Making a notebook in VS code
 - Basic python functions
 - Data structures
 - Plotting
 - Packages:
 - Numpy, Pandas, matplotlib, pandas, sklearn



Setting up python

- Installing python: <https://www.python.org/downloads/>
- Install Conda:
<https://docs.conda.io/projects/conda/en/stable/user-guide/install/windows.html>
- My preferred editor. There are many of options.
 - <https://code.visualstudio.com/>
- Install notebook <https://jupyter.org/install>

Navigating notebooks

- Composed of cells: individual pieces of code.
 - Also easier modification and reruning of specific sections of code
 - Can use python(or with configuration other languages) and markdown to create readable documents
- Rest in notebook