

intro_slides

November 1, 2023

1 Welcome to the Software Carpentry

2 Agenda

- Python lesson 1 (day 1)
 - Break 10:45
- Python lesson 2 (day 2)
- Unix Shell (day 3)
- Git (day 4)

3 Python lesson 1 (day 1)

- Created by Guido van Rossum
- First release in 1991
- Ranks as one of the most popular programming languages

4 Tools and Setup

- software: Anaconda
 - Jupyter Notebooks

5 Tools and Setup

5.1 Jupyter Notebooks

Advantadges + Interactive data analysis + Prototyping + Visualizations + Reporting /show casing a tool

Disadvantadges - Limited collaboration capabilities - They can become quite large if working with large datasets - Difficulties with debugging - Not advisable if working in large software projects

6 Tools and Setup

- data : <https://swcarpentry.github.io/python-novice-inflammation/>
 - swc-python

- * python-novice-inflammation-code.zip
- * python-novice-inflammation-data.zip