BIOF 085: Introduction to Data Science using Python

Agenda

Day One

Morning session

Why data science with Python?

A Python Primer for Data Science

Afternoon session

Python Tools for Data Science

Data wrangling, cleaning, summarizing and munging

Day Two

Morning session

Data visualization

Afternoon session

Statistical analysis using Python

Day Three

Morning session

Data analytics using Python

Manipulating strings

Afternoon session

Introduction to bioinformatics using Python

Additional Resources

Q & A

Notes

Morning session: 9:00 am - 12:00 pm
Afternoon session: 1:00 pm - 4:30 pm
These times may be slightly modified to fit the material, but we will not start before 9am or continue teaching or Q & A beyond 5pm.

Instructor will be available for Q & A online through Canvas/Slack (modality to be announced)

There will be live sessions for the last hour of each session, i.e., 11:00-12:00 and 3:30-4:30 for both teaching and Q & A. Students will be expected to have completed the online material for the session by that time.