FALL 2021
MINI-COURSES AND WORKSHOPS
researchcomputing.princeton.edu/workshops

PICSciE and OIT Research Computing will offer instructor-led training sessions (some in-person, some via Zoom) on the following topics:

- INTRO TO THE LINUX COMMAND LINE
- INTRO TO DATA ANALYSIS (USING R & PYTHON)
- INTRO TO PROGRAMMING USING PYTHON
- GETTING STARTED WITH THE RESEARCH COMPUTING CLUSTERS
- SOFTWARE CONTAINERS WITH DOCKER & SINGULARITY
- INTRO TO VERSION CONTROL USING GIT
- HOW TO MAKE EFFECTIVE PLOTS
- REMOVE THE TEDIOUS FROM YOUR RESEARCH WORKFLOW
- MACHINE LEARNING FOR YOUR RESEARCH
- INTRO TO R GRAPHICS PACKAGE: ggplot2
- LEVERAGING THE NVIDIA A100 GPU FOR HPC AND AI
- INTRO TO FIELD PROGRAMMABLE GATE ARRAYS (FPGAs)
- SCIENTIFIC VISUALIZATION
- MIXING PYTHON AND COMPILED CODE
- CONTINUOUS INTEGRATION & AUTOMATED SOFTWARE TESTING
- SECURE RESEARCH AT PRINCETON: SOCIAL SCIENCES
- GEOGRAPHIC INFORMATION SYSTEMS (GIS)

Workshops on QGIS and ArcGIS Pro:
https://library.princeton.edu/collections/pumagic/workshops

Pre-recorded virtual training sessions are available at researchcomputing.princeton.edu/workshops

- Using the Research Computing Clusters & the Cloud
- Programming in R, Python, MATLAB
- High-Performance Computing (HPC)
- Research Software Engineering
- Git and Github
- Improving Your Computing Workflow
- Machine Learning
- Visualization

Organized by Princeton Research Computing, a consortium of campus groups led by the Princeton Institute for Computational Science & Engineering (PICSciE) and OIT Research Computing


To register, and for more information, visit: researchcomputing.princeton.edu/workshops