R Workshop for Beginners

Contacts: Lindsay Carr, lcarr@usgs.gov and Emily Read, eread@usgs.gov

Format: full day training session

Description:

Learn the basics of scientific computing in R, including how to

- Import data into R from local files or web sources
- Reformat and ‘clean’ data to prepare for analysis
- Analyze and visualize data
- Repeat and reproduce

This course will cover similar concepts to the full three-day Introduction to R course, but will not go as far in depth given the time limitation.

Introduction to Advanced Scientific Computing

Contact: Janice Gordon, janicegordon@usgs.gov

Format: 1/2 day training session

Description:

This training session will provide an introduction to advanced computing paradigms, including: High Performance Computing (HPC), High Throughput Computing (HTC), parallelism, OpenMP, MPI, and scientific use cases for each type of technology. Hands-on labs will teach participants how to access and run jobs on USGS in-house advanced computing resources, such as the Yeti supercomputer and HTCondor high throughput computing systems.

Open Lab

Contact: Leslie Hsu, lhsu@usgs.gov

Format: full day open session (free to come and go)

Description:

Do you have a data, science, or programming challenge that you want to discuss with others who have more expertise? Space will be provided on Friday for those who want to meet and work on any topic. We will set up a topic-matching system to get people in touch with those who have questions or who can help. Mark your potential interest during registration on the EventBrite site.

Topics entered during registration as of 4/5/17

- Editing metadata using Tkme (help available)
- Metadata tools (help available)
- Oil and gas data (looking for discussion)
- General help 😊
- Anything related to cartographic data, map services, data visualization (looking for discussion)