Socio-Environmental Synthesis involves bringing together existing data, methods, and tools from different disciplines, which can sometimes present challenges. The National Socio-Environmental Synthesis Center's (SESYNC's) cyberinfrastructure program provides the human and computing resources needed to overcome these challenges.

SESYNC invites applications for a four-day short course on data and software skills for socio-environmental synthesis. The fourth annual Summer Institute will be held July 18-21 at SESYNC in Annapolis, Maryland. The short course will combine lectures, hands-on computer labs, and project consultation designed to accelerate the adoption of cyber resources for all phases of data-driven research and dissemination.

Over the four-day course, participants will receive instruction on scripting complete data pipelines and implementing distributed workflows within the RStudio development environment. Individual lessons will focus on widely applicable data skills (i.e. data wrangling, relational databases, GIS and data
visualization) and programming languages such as R, Python, and JavaScript.

Through this short course, participants should expect to:

- learn new scientific computing skills
- overcome project hurdles
- gain coding confidence
- have fun

**Programming Basics (Optional Fifth-Day)**

Participants with no scientific computing experience will be encouraged to arrive on **Monday, July 17** for beginner lessons introducing the R programming language.

[Click Here to Learn More](https://www.sesync.org/opportunities/short-courses/summer-institute-on-cyberinfrastructure-for-ses) [2]

**Apply by April 25!**

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**Audience:**
Researcher [3]
Cyberinfrastructure [4]

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**Links**
[1] https://www.sesync.org/for-you/cyberinfrastructure