

Foundational Open Science Skills

Workshops on Practical Data and Software Management for Life Sciences



Two introductory workshops on the skills and technologies you need
for publishable and reproducible data-driven science

October 2-4, 2019
Rome, Italy

Workshops

Start this semester with the skills you need – from research and data management to publication!

Working with big data is challenging for most researchers and the barriers to publication can be difficult. These workshops introduce **free, open-source approaches** that reduce these challenges and help you deliver research that is more impactful, open, and reproducible. Training will focus on solutions developed by publicly-funded cyberinfrastructure developed in the **US** (CyVerse) and **Europe** (CyVerse UK, ELIXIR, EOSC, and others). Lessons learned will prepare you with **skills you can apply no matter which computing platforms you use.**

Practical Data Skills Workshop Outcomes

- Identify common challenges for large/complex biological datasets
- Understand the value and application of FAIR/Open Science principles
- Gain skills for using free data sharing and data management technologies
- Create (or refine) a custom data management plan for your research

Practical Software Skills Workshop Outcomes

- Identify common software reproducibility challenges
- Gain skills for using free reproducibility technologies like version control (git/GitHub), containerization (Docker), and notebooks (Jupyter).
- Learn how to deploy applications for reproducible analysis using MyBinder and CyVerse
- Create (or refine) a custom software management plan for your research

Registration

Dates, times, cost

Practical Data Skills: Oct 2 (14:00) – Oct 3 (13:30) **US \$40**
Practical Software Skills: Oct 3 (14:30) – Oct 4 (14:30) **US \$40**

Location and registration

University of Arkansas Rome Center:
Palazzo Taverna, Via di Monte
Giordano, 36 - 00186 Rome Italy

URL: bit.ly/foss-rome-19



Instructors and Collaborators

Douglas Rhoads, University of Arkansas, USA
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