Recent Developments in Galaxy

CGRB Spring Conference Oregon State University April 19, 2019

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Galaxy Community







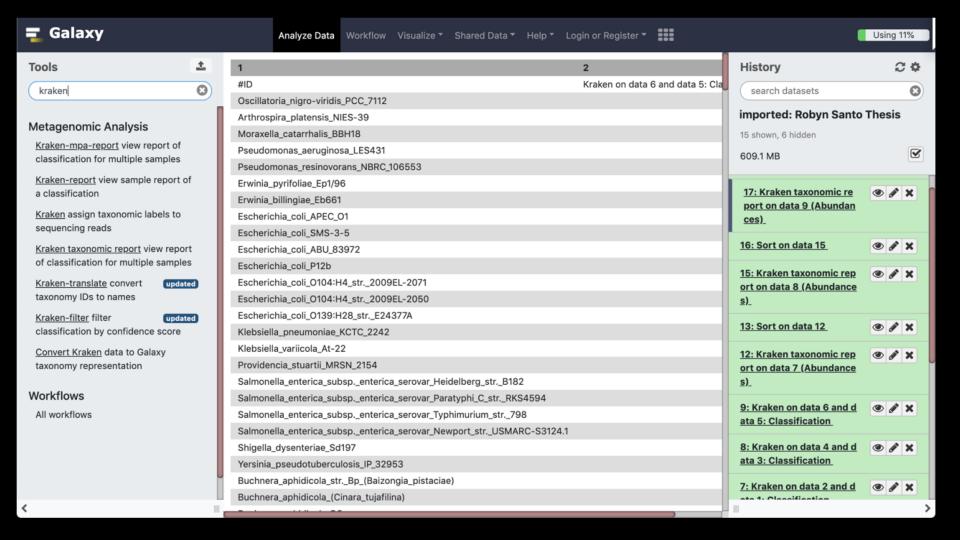
What is Galaxy? Keith Bradnam's definition

"A web-based platform that provides a simplified interface to many popular bioinformatics tools."

From

"13 Questions You May Have About Galaxy"

http://bit.ly/13questions



Interface

- Rule-based loader to create dataset collections at load time
- Dataset name tags preserved throughout analysis
- Coming soon: non-linear views of your current analysis

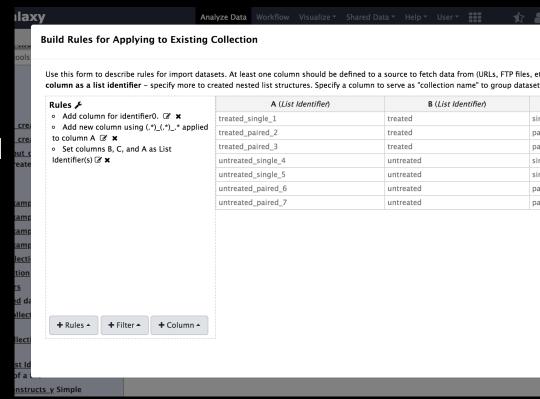
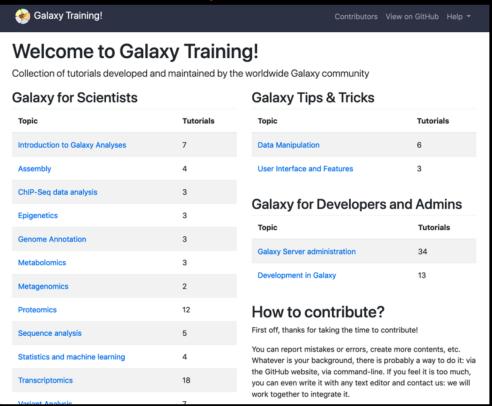


Image: John Chilton, Helena Rasche from Collections: Rule Based Uploader Tutorial

Training Library

- Galaxy Training Network Library
- Hands-on tutorials, slides, datasets (in Zenodo), Docker images, workflows, ...
- Galaxy Admin training added this year

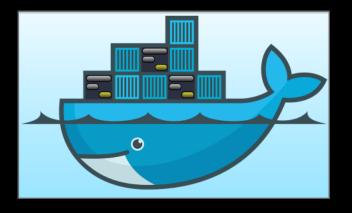


https://training.galaxyproject.org/

Containerization, Conda & Clouds

Containerization greatly simplifies

- wrapping tools for Galaxy
- distributing Galaxy instances
- running Galaxy on cloud infrastructures
- AWS, Google Cloud, OpenStack supported
- **Azure support coming**









UseGalaxy.* & Platforms Directory

- UseGalaxy.org Project run server, hosted at TACC
- UseGalaxy.eu European server, hosted by U Freiburg
- UseGalaxy.org.au Australian server, hosted by U Queensland
- galaxyproject.org/use/ Links to over 150 platforms for using Galaxy right now



Thanks

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