



Online data analysis for biologists

Thursday 9 September, 1 - 4 pm AEST

Lead Trainer: Grace Hall, Melbourne Bioinformatics

Facilitators:

Dr. Georgina Samaha, Sydney Informatics Hub

Dr. Vicky Perreau, Melbourne Bioinformatics

Steven Morgan, Melbourne Bioinformatics

Hosts: Dr Melissa Burke, Australian BioCommons

Schedule

Time	Topic
1:00 pm AEST 12:30 am ACST 11:00 am AWST	Welcome and housekeeping
1:10 pm AEST 12:40 pm ACST 11:10 am AWST	Overview of Galaxy Introduction to the iris dataset Overview of preprocessing steps
1:20 pm AEST 12:50 pm ACST 11:20 am AWST	Connecting to Galaxy Log into Galaxy Australia and join training server
1:30 pm AEST 1:00 pm ACST 11:30 am AWST	Breakout 1 - Preprocessing and exploring data sets - Create a history - Pre-processing
1:50 pm AEST 1:20 pm ACST 11:50 am AWST	Data analysis introduction
2:00 pm AEST 1:30 pm ACST	Breakout 2 - Data analysis What does the data set contain?

12:00 pm AWST	Differential analysis
2:50 pm AEST 2:20 pm ACST 12:50 pm AWST	Break
3:00 pm AEST 2:30 pm ACST 1:00 pm AWST	Workflows introduction
3:20 pm AEST 2:50 pm ACST 1:20 pm AWST	Breakout 3 - workflows Convert you history into a workflow Try it on a different dataset
3:50 pm AEST 3:20 pm ACST 1:50 pm AWST	Applying Galaxy to other analysis types
3:55 pm AEST 3:25 pm ACST 1:55 pm AWST	Wrap up and feedback survey
4:00 pm AEST 3:30 pm ACST 2:00 pm AWST	Close

Useful links

Galaxy introduction slides: <https://tinyurl.com/Galaxy-intro-slides>

Training materials: <https://tinyurl.com/Galaxy-training-101>

Galaxy Training Network: <https://training.galaxyproject.org/>

Galaxy Australia: usegalaxy.org.au

Get in touch: help@genome.edu.au