



BioMedaqu Summer School no. 4
Webinar 'Data mining in Aquaculture and Biomedicine'
22-23-24 February 2021
Final programme

Monday 22 February - OPEN to the public

- 9:00-11:00 F. Ferrè (*University of Bologna Alma Mater Studiorum*) - Systems biology approaches: Bioinformatics methods for Functional genomics (RNAseq; R/Python/Galaxy)
- 11:00-11:30 *Coffee break*
- 11:30-13:00 F. Ferrè - Systems biology approaches: Bioinformatics methods for Functional genomics (RNAseq; R/Python/Galaxy)
- 13:00-14:30 *Lunch*
- 14:30-17:00 F. Ferrè - Examples of application of Galaxy

Tuesday 23 February - OPEN to the public

- 9:00-11:00 M. Scardi (*University of Rome Tor Vergata*) - Multivariate data analysis (theory)
- 11:00-11:30 *Coffee break*
- 11:30-13:00 M. Scardi - Multivariate data analysis (theory)
- 13:00-14:30 *Lunch*
- 14:30-17:00 M. Scardi - Multivariate data analysis (examples)

Wednesday 24 February - OPEN to the public

- 9:00-10:00 C. Buongiovanni (APRE) - Maximize impact through Dissemination and Communication
- 10:00-11:00 M. Scardi - Introduction to Machine Learning (theory)
- 11:00-11:30 *Coffee break*
- 11:30-13.30 M. Scardi – Introduction to Machine Learning (examples)
- 13:30-14:30 *Lunch*
- 14:30-17:00 C. Costa (CIGR-CREA) - Geometric morphometrics and image analysis for fish grading: theory and case studies applications