

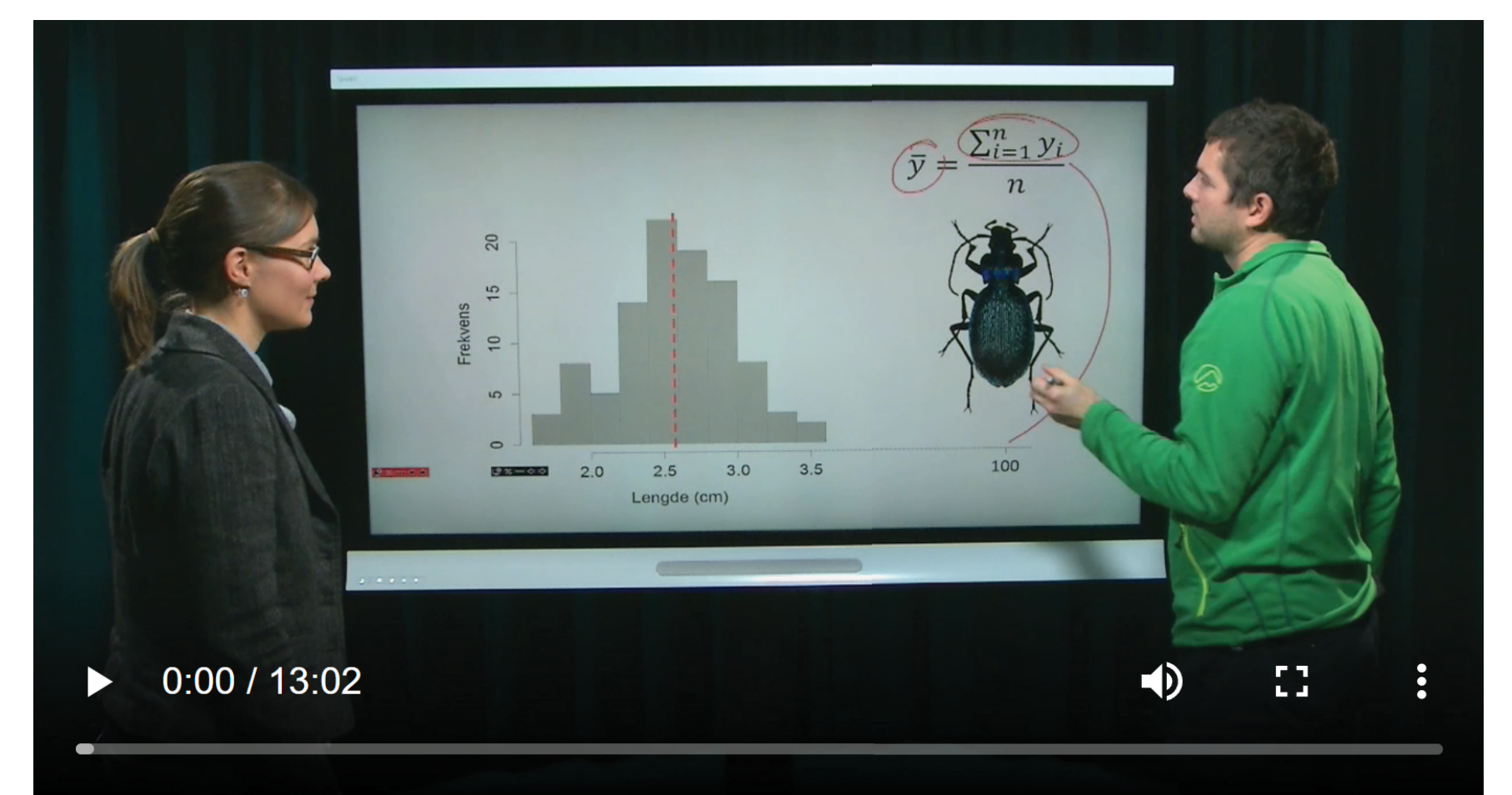


A platform for learning statistical analysis and management of biological data

Getting a better grip on numerical competence

Biology is a discipline that makes extensive use of mathematical models, numerical tools, data management, and statistical analysis. As a biology student, you must acquire numerical skills and quantitative competence to better comprehend biological theories and problems.

Our web-based platform bioSTATS helps you acquire these skills by introducing you to the basics of data management and statistical analysis. bioSTATS offers a set of illustrated Excel- and R tutorials, with tips, guides and relevant examples in biology.



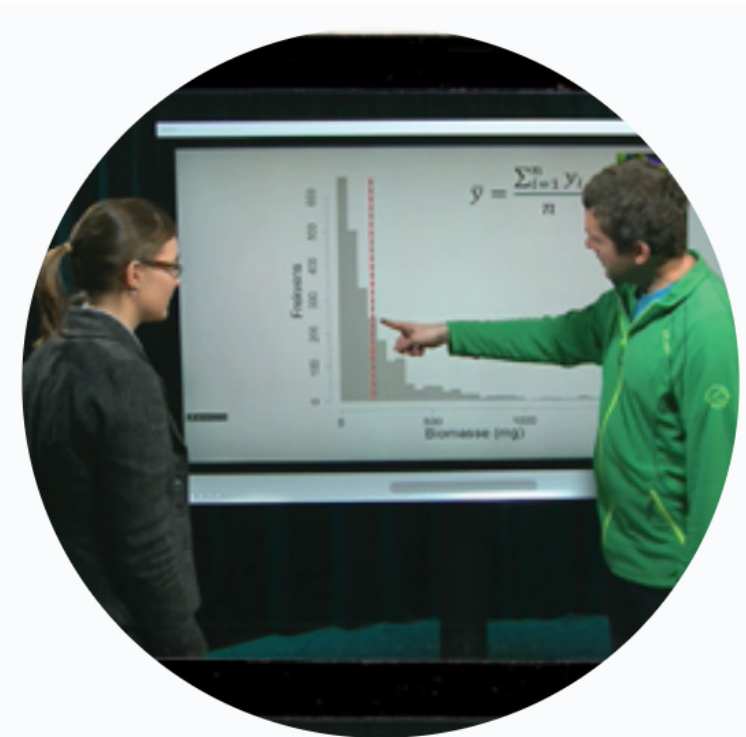
bioSTATS - a resource for all students in biology

Whether you are just starting with your Bachelor's degree, or running data analysis for your Master's thesis, bioSTATS has resources that will make your life easier. bioSTATS will become your companion when writing lab- and field reports, evaluating your project data, making figures for manuscripts, etc.



Tutorials

Our tutorials explain how to get started with Excel and R/RStudio. We go through the basics of data management and describe how to make simple tables and plots. We also introduce the use of Netlogo for testing behavioural models.

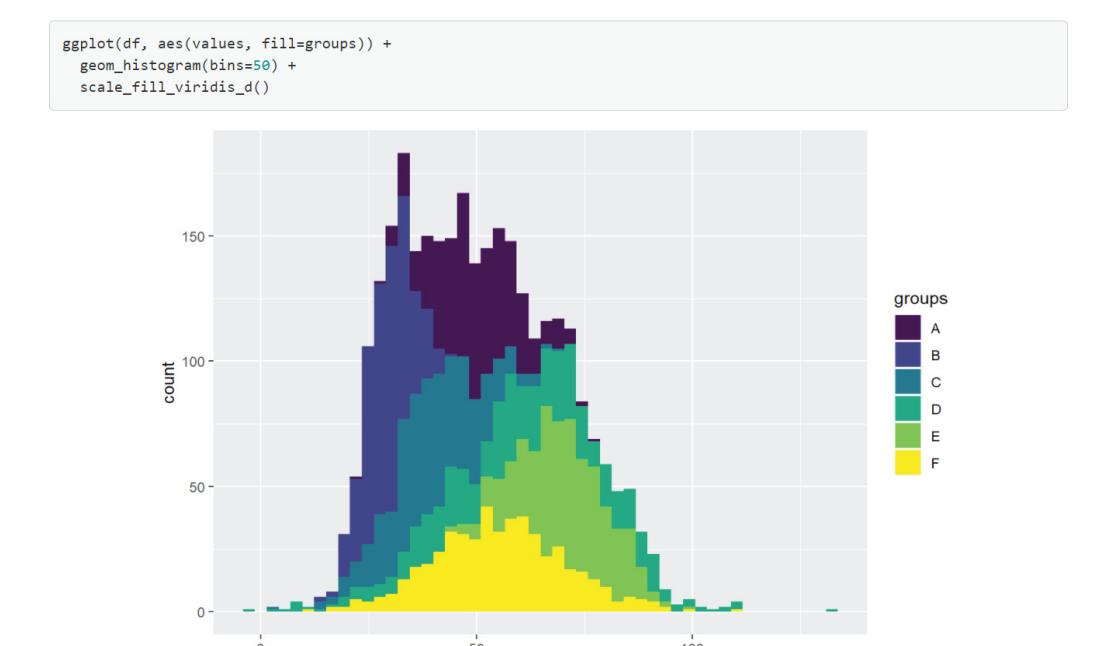


Videos

We have produced a series of short videos to explain basic concepts in statistics such as mean, variability and data distribution. These videos make use of simple but relevant examples in the context of biology.

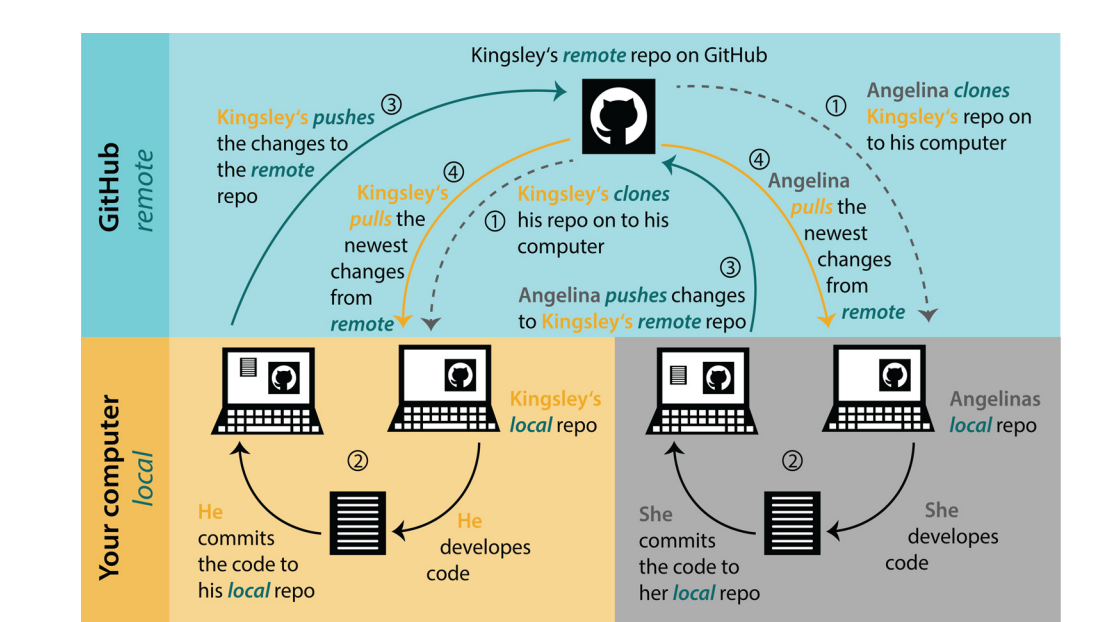
Learning R...

R has been widely adopted by biologists and more generally by the life science community. bioSTATS teaches you the basics of the language and helps you write simple code chunks to edit, filter or clean your data set. We also show you how to create plots that best convey your findings and results.



... and RStudio

We show you how to make the best of the user interface RStudio which brings you many functions to organize your work in projects, write formatted reports, review and share your code with collaborators, etc.



Visit **bioST@TS** at <https://biostats.w.uib.no/>

The bioSTATS crew

Jonathan Soulé, Aud Halbritter, Richard Telford, Joshua Lynn and Sigrunn Eliassen

Department of Biological Sciences, University of Bergen, Norway

✉ biostats@uib.no

