Online training

Data Analysis: Planning and Preparing

Expert academics and professionals

The course was developed in collaboration with 10 experts in data analysis including experienced statisticians and data scientists, journal editors and early career researchers.

~3—4 hours learning

Researchers learn in 2 modules how to develop their data analysis skills, or mentor others through the process.

Designed for busy researchers

The modules contain bite-size lessons to provide an accessible, dip in and out format for busy researchers.

The course is divided into two parts; researchers can track their progress through the course and fit the lessons around their work.

1 Introduction to data analysis and the importance of planning

2 Preparing your data for analysis

nature masterclasses

Online training: Data Analysis: Planning and Preparing

Five of the experts

Mark Gardener
Ecologist, lecturer, author and data consultant

João Monteiro
Chief Editor of *Nature Medicine*

Bhramar Mukherjee
Professor and Chair University of Michigan

Xavier Vilasis-Cardona
Director and Professor, Universitat Ramon Llull

Bronwyn Wake
Chief Editor of *Nature Climate Change*

Insight from expert academics and professionals

This course contains insights from experts with a wide range of experience, including:

- Data-rich fields including physics, medicine, ecology, and epidemiology
- Data science and biostatistics
- Editorial perspectives on common mistakes and good practice in data analysis

Learning outcomes for researchers

- Understand the importance of planning and preparing for data analysis
- Learn the key terms and processes relating to data analysis
- Learn the principles of creating and updating a data analysis plan

Includes:

- resources to drive uptake
- usage reports

Benefits for institutions

- Maximise the outputs of your researchers as their data analysis becomes more effective and efficient
- Improve the reputation of your institution by ensuring the reliability and reproducibility of data analysis and know that your researchers understand how to plan, prepare and undertake their data analysis
- Support the professional and career development of your researchers while saving staff time on mentoring and training in data analysis methods

Find out about all courses at
masterclasses.nature.com

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