



On-demand training

Data Analysis: Conducting and Troubleshooting

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.

5 hours learning

Researchers learn in 3 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 three parts; researchers can track their progress through the course and fit the lessons around their work.

1 Introduction to data analysis

2 Exploring your data and reviewing your analysis plan

3 Analysing your data

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Data Analysis: Conducting and Troubleshooting

Five of our 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*

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

Certificate awarded on course completion

Learning outcomes for researchers

- Understand the importance of conducting effective data analysis
- Identify the best tools for exploring various datasets
- Identify the range of analytic methods available and understand which is most suited to your data
- Learn strategies for obtaining feedback, troubleshooting and expressing the limitations of your analysis

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 efficiency, efficacy, and reliability of your data analysis and that your researchers know how to carry out and troubleshoot 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
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