

Week 1

The Data Scientist's Toolbox

Week 1

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Data Science Fundamentals



In this module, we'll introduce and define data science and data itself. We'll also go over some of the resources that data scientists use to get help when they're stuck.

Learning Objectives

- Define data science
- Define data
- Use resources to get help with problems

[^](#) Less



Coursera Lab Sandbox BETA

- Easily launch Coursera's preconfigured environment for R programming
- Get access to all dependencies (libraries and packages) for RStudio—no local software installation required
- Practice R programming, run test cases, and work on assignments from your browser

[Open Lab Sandbox](#)

Welcome to the Data Scientist's Toolbox



Reading: Welcome 5 min



Reading: A Note of Explanation 2 min



✓ **Video:** Why Automated Videos? 5 min

coursera



✓ Why Automated Videos? 15 min

What is Data Science?

✓ **Video:** What is Data Science? 9 min

⌂ What is data science? 15 min

Resume

✓ **Practice Quiz:** What is Data Science? 3 questions

What is Data?

✓ **Video:** What is Data? 6 min

⌂ What Is Data? 15 min

✓ **Practice Quiz:** What is Data? 3 questions

Getting Help

▶ **Video:** Getting Help 10 min

✓ Getting Help 15 min

✓ **Practice Quiz:** Getting Help Quiz 3 questions

The Data Science Process

▶ **Video:** The Data Science Process 9 min

⌂ The Data Science Process 15 min

✓ **Practice Quiz:** Data Science Process 4 questions

Module 1 Quiz

