



**An Introduction to Data Science and Artificial Intelligence
Assessment Guidance Week 1**

LEARNING OUTCOMES

By the end of the programme, participants will be able to:

1. **Understand Fundamental Concepts:** Grasp the core principles of data science and artificial intelligence, including their history, current applications, and future potential.
2. **Apply Data Analysis Techniques:** Employ statistical methods to analyse and interpret data, using both descriptive and inferential statistics to derive meaningful insights from datasets.
3. **Recognise Data Visualisation Tools:** Utilise data visualisation techniques and tools to effectively communicate data insights through graphs, charts, and interactive dashboards.
4. **Recognise AI in Practical Applications:** Apply AI techniques to real-world problems, demonstrating the ability to design and implement AI solutions in various industries such as healthcare, finance, and technology.
5. **Embrace Ethical AI Practices:** Recognise the ethical implications of data science and AI, including privacy, security, and fairness, and apply ethical considerations in the development and deployment of AI systems.
6. **Engage in Effective Problem-Solving:** Develop critical thinking and problem-solving skills using a data-driven approach to address challenges and make informed decisions.
7. **Collaborate and Communicate:** Work effectively in teams to tackle projects and communicate complex data science and AI concepts.

ASSESSMENT & ACHIEVEMENT

There will be a short assessment at the end of Weeks 1 and 2.

The assessments will utilise multiple-choice questions and open responses to evaluate content knowledge and engagement.

On successful completion of the programme, a certificate will be issued.

SCOUT Programme – Online Schedule

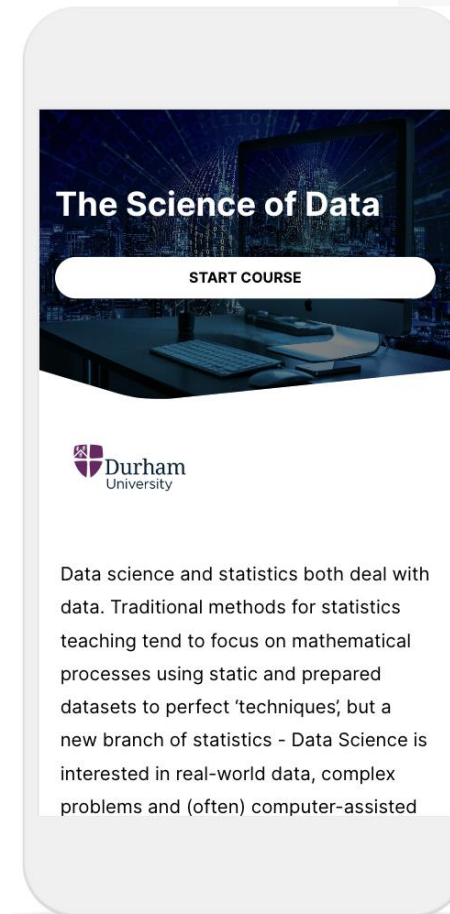
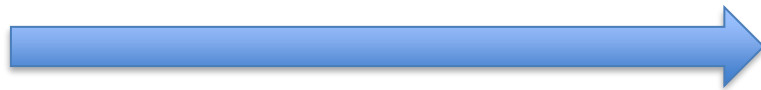
		Monday 04.03.24	Tuesday 05.03.24	Wednesday 06.03.24	Thursday 07.03.24	Friday 08.03.24	Saturday 09.03.24
<p>Asynchronous The online aspect of the programme will include video resources alongside interactive materials and tasks</p>			<p>Release of online materials: Phase 1 – Data Science</p> <p>Asynchronous The online aspect of the programme will include video resources alongside interactive materials and tasks</p>		<p>Milestone 1: Key objectives review</p>	<p>Milestone 2: Key objectives review</p>	<p>Evaluation</p>
<p>Synchronous</p>				<p>3.00 - 4.00 pm IST 9.30-10.30 GMT</p> <p>ZOOM A</p> <p>Welcome and introduction to the PHASE 1</p>	<p>3.00 - 4.30 pm IST 9.30-11.00 GMT</p> <p>ZOOM B</p> <p>Workshop 1</p>	<p>6.00 pm IST 12.30-1.00 GMT</p> <p>ZOOM C</p> <p>OPTIONAL Drop-in</p>	

WEEK 1: EVALUATION AND ASSESSMENT CHECKPOINT

To access the ASSESSMENT for Week 1

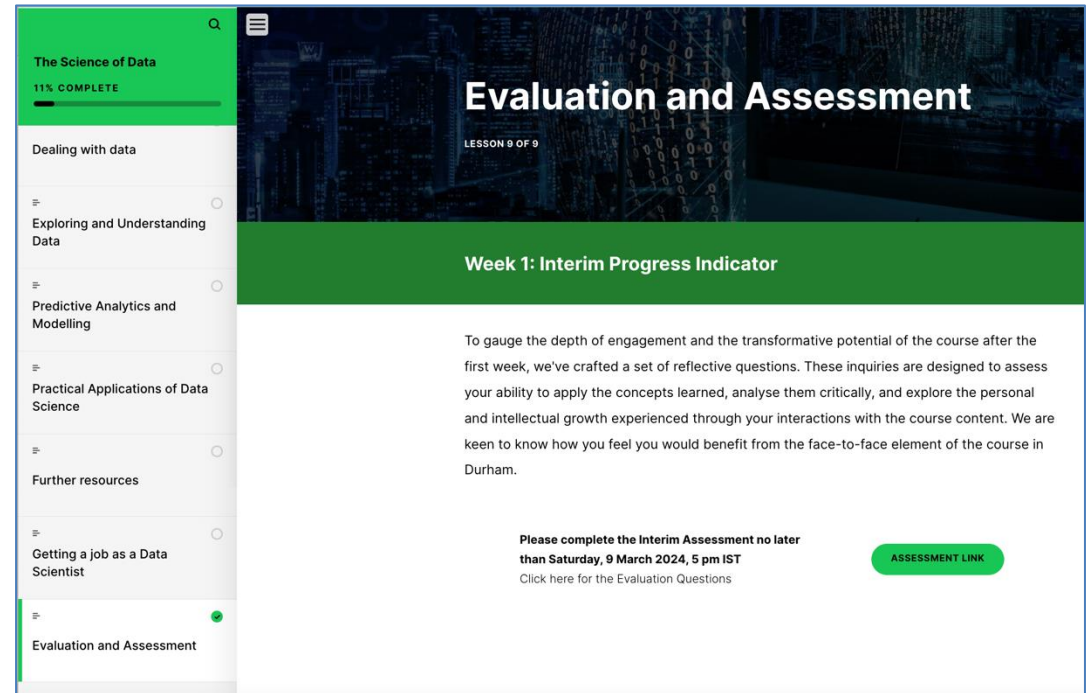
Click on the LINK for the COURSE MATERIALS

Visit the Evaluation and Assessment section



WEEK 1: EVALUATION AND ASSESSMENT CHECKPOINT

Visit the Evaluation and Assessment section



The Science of Data
11% COMPLETE

Dealing with data

Exploring and Understanding Data

Predictive Analytics and Modelling

Practical Applications of Data Science

Further resources

Getting a job as a Data Scientist

Evaluation and Assessment

Evaluation and Assessment

LESSON 9 OF 9

Week 1: Interim Progress Indicator

To gauge the depth of engagement and the transformative potential of the course after the first week, we've crafted a set of reflective questions. These inquiries are designed to assess your ability to apply the concepts learned, analyse them critically, and explore the personal and intellectual growth experienced through your interactions with the course content. We are keen to know how you feel you would benefit from the face-to-face element of the course in Durham.

Please complete the Interim Assessment no later than Saturday, 9 March 2024, 5 pm IST
Click here for the Evaluation Questions

[ASSESSMENT LINK](#)

SCOUT Programme 2024: Interim Evaluation

Please submit this Form by Saturday, 9th March 2024, before 5.00 pm (IST)

[Start now](#)

Please complete the Interim Assessment no later
than Saturday, 9 March 2024, 5 pm IST