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

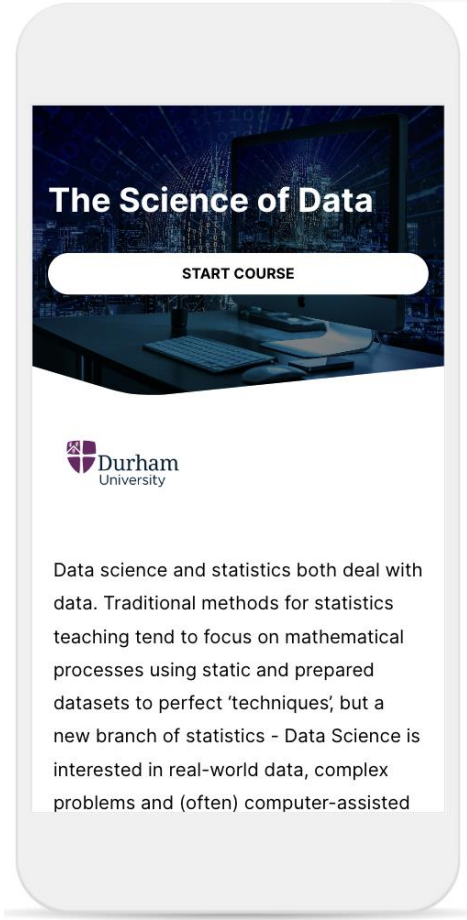
		Monday 04.03.24	Tuesday 05.03.24	Wednesday 06.03.24	Thursday 07.03.24	Friday 08.03.24	Saturday 09.03.24
	Asynchronous The online aspect of the programme will include video resources alongside interactive materials and tasks		**Release of online materials: Phase 1 – Data Science** **Asynchronous** The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

WEEK 1: EVALUATION AND ASSESSMENT CHECKPOINT

To access the ASSESSMENT for Week 1

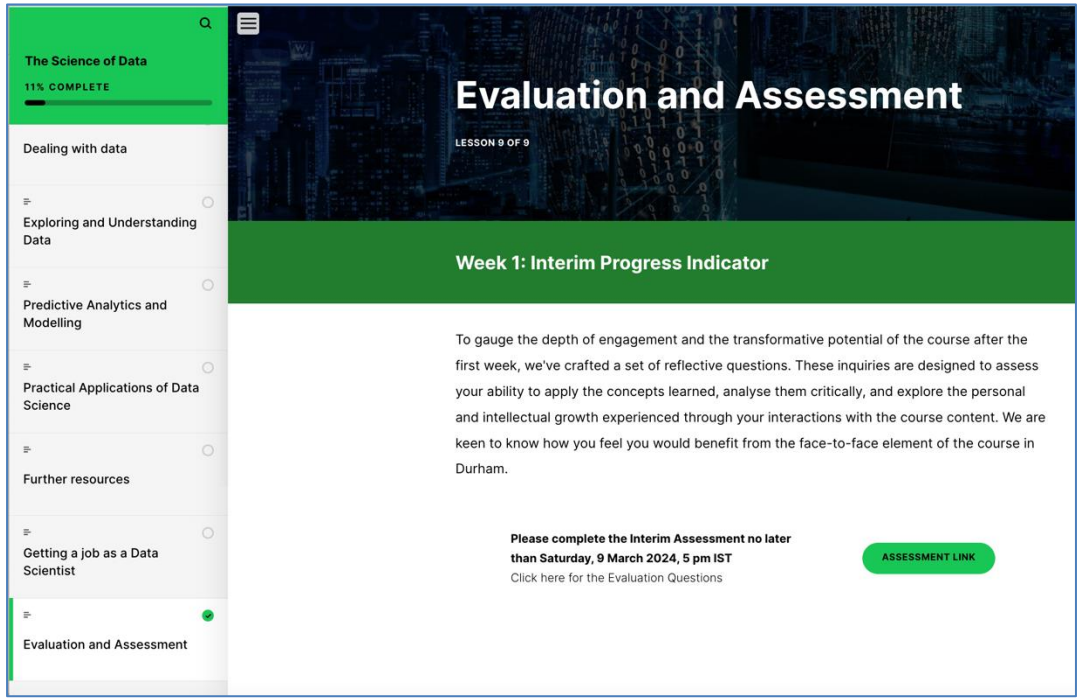
Click on the LINK for the COURSE MATERIALS

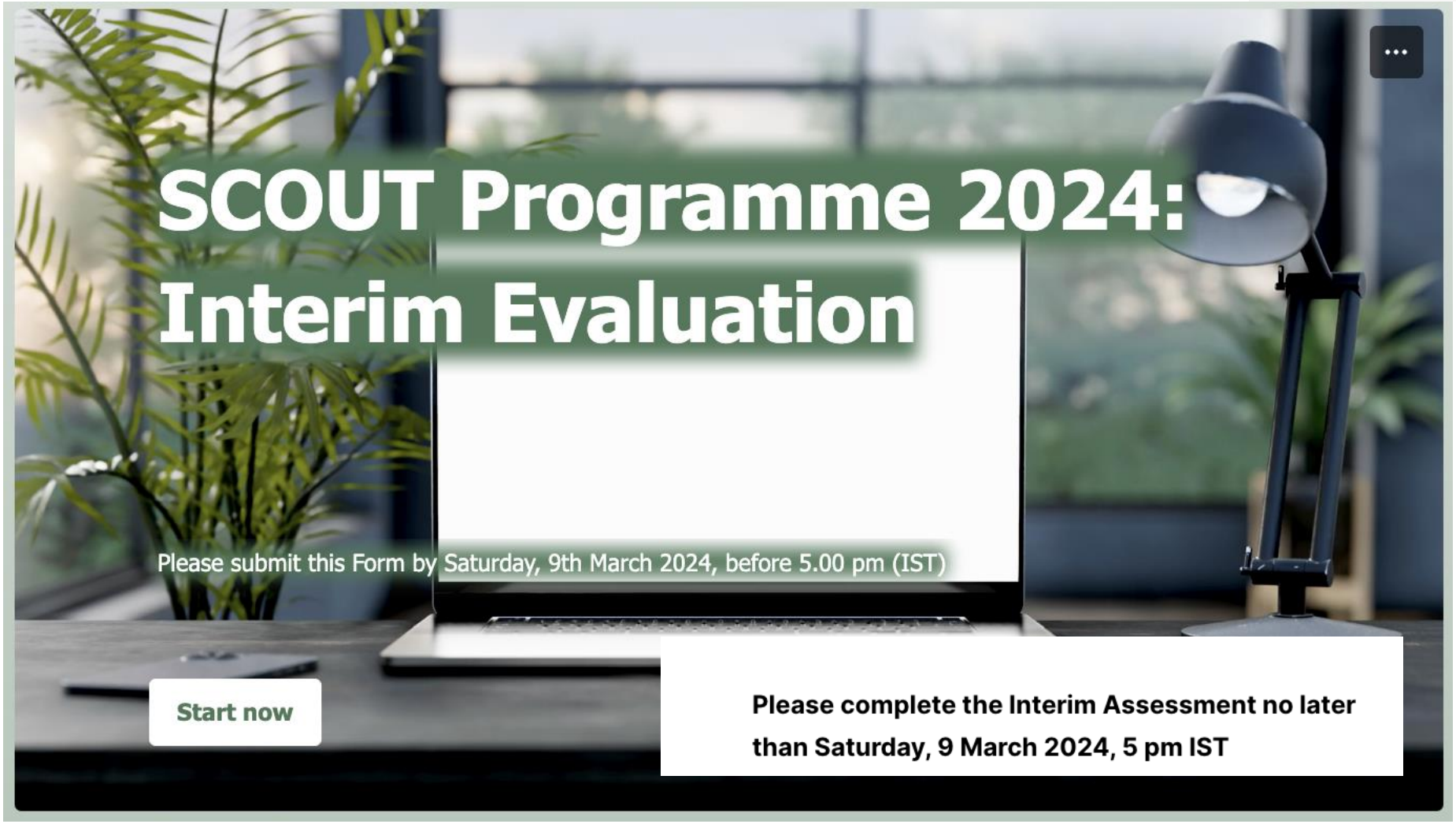
Visit the Evaluation and Assessment section



WEEK 1: EVALUATION AND ASSESSMENT CHECKPOINT

Visit the Evaluation and Assessment section




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