Durham University

SCOUT Programme

March 2024

Professor Catherine Reading

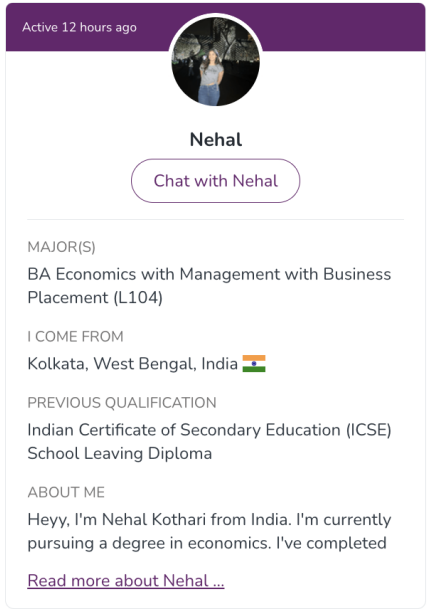
Durham University

SCOUT Programme

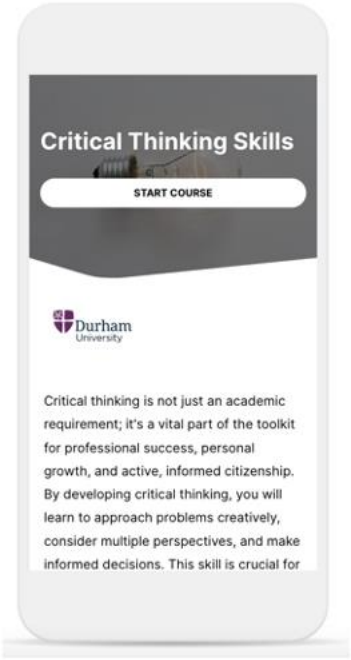
An Introduction to Data Science and Artificial Intelligence

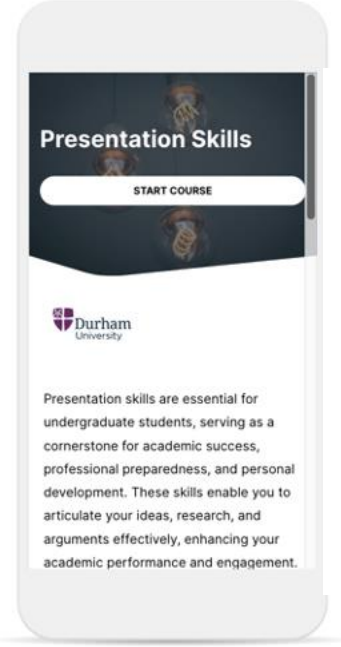
Centres of Excellence

International Education

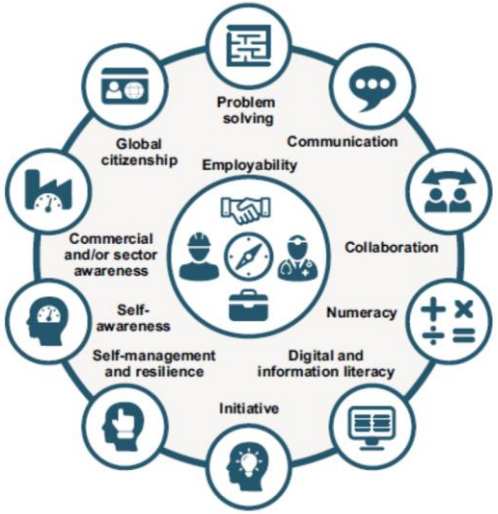


Academic Skills



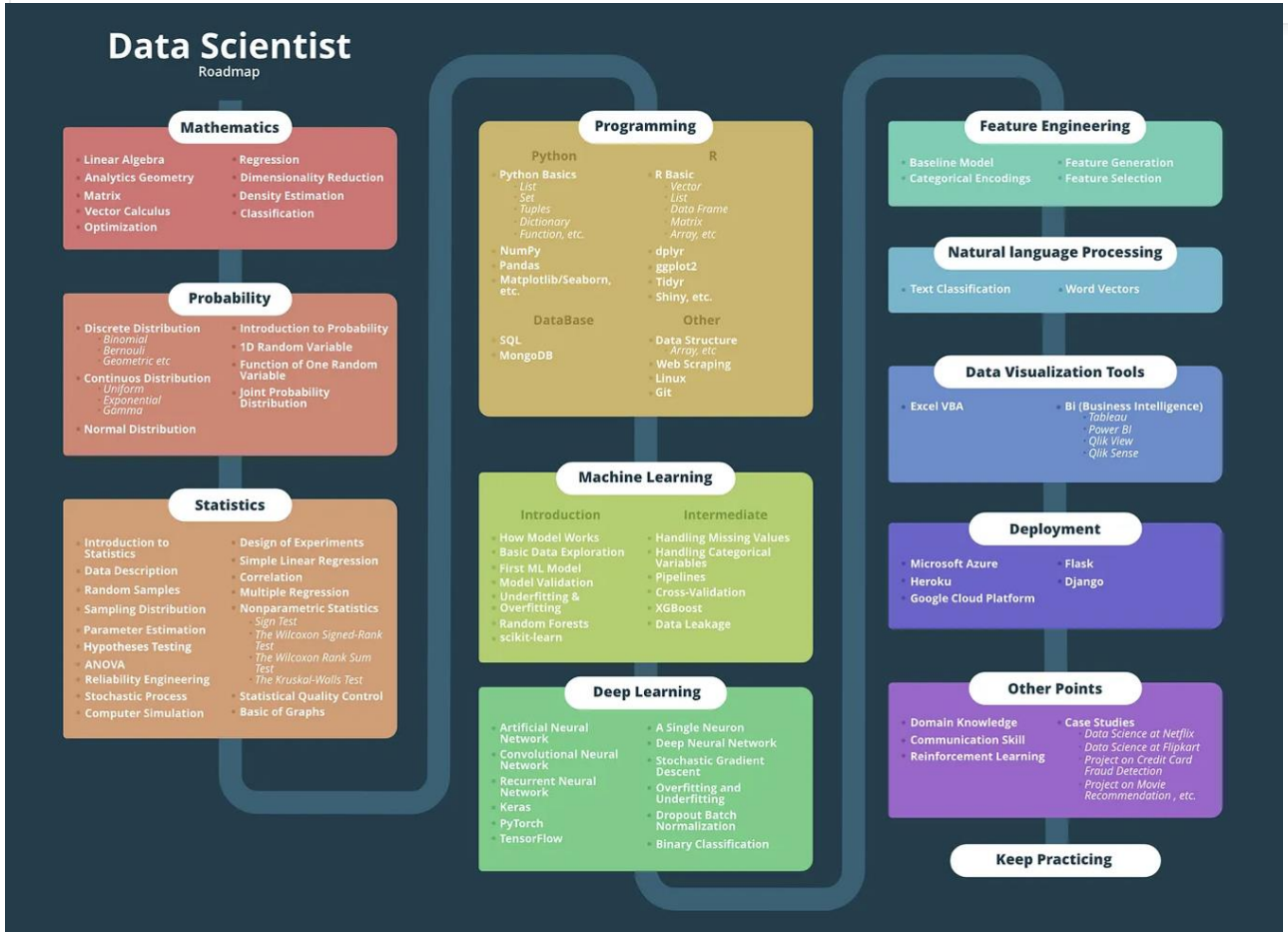


Employability



Durham University

The Role of a Data Scientist



SCOUT Programme

An Introduction to Data Science and Artificial Intelligence

Week 1: Data Science

- Live sessions: 4 hours
- Self-study online: 8 hours

Week 2: AI Applications

- Live sessions: 4 hours
- Self-study online: 8 hours

		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 Welcome and introduction to the PHASE 1	3.00 - 4.30 pm IST 9.30-11.00 GMT ZOOM Workshop 1	6.00 pm IST 12.30-1.00 GMT ZOOM OPTIONAL Drop-in	

		Sunday 10.03.24	Monday 11.03.24	Tuesday 12.03.24	Wednesday 13.03.24	Thursday 14.03.24	Friday 15.03.24	Saturday 16.03.24
	Asynchronous The online aspect of the programme will include video resources alongside interactive materials and tasks		Milestone 2: Key objectives review Release of online materials: Phase 2 – Artificial Intelligence		Milestone 4: Key objectives review		Milestone 5: Key objectives review	Evaluation
	Synchronous		3.00 - 4.30 pm IST 9.30-11.00 GMT ZOOM Workshop 2	6.00 pm IST 12.30-1.00 GMT ZOOM OPTIONAL Drop-in	3.00 - 4.30 pm IST 9.30-11.00 GMT ZOOM Workshop 3		3.00 - 4.30 pm IST 9.30-11.00 GMT ZOOM Workshop 4	

SCOUT Programme

COLLABORATION AND CO-OPERATION

BREAKOUT ROOM TASK

Meeting your group (10mins)

- Introductions
- Question:

If you could have any superpower, what would it be and why?

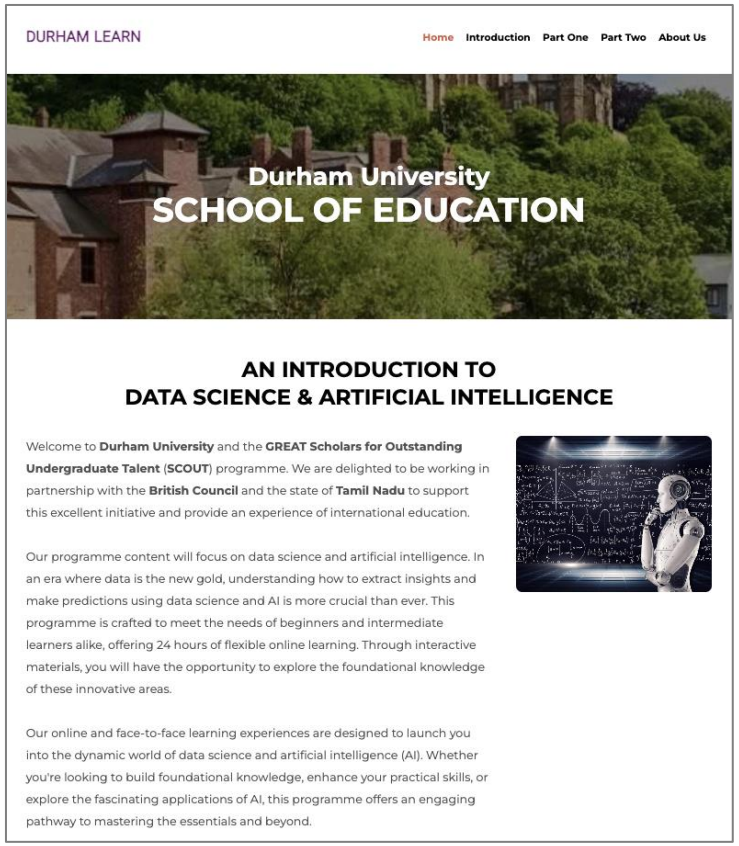
- Come to a consensus:

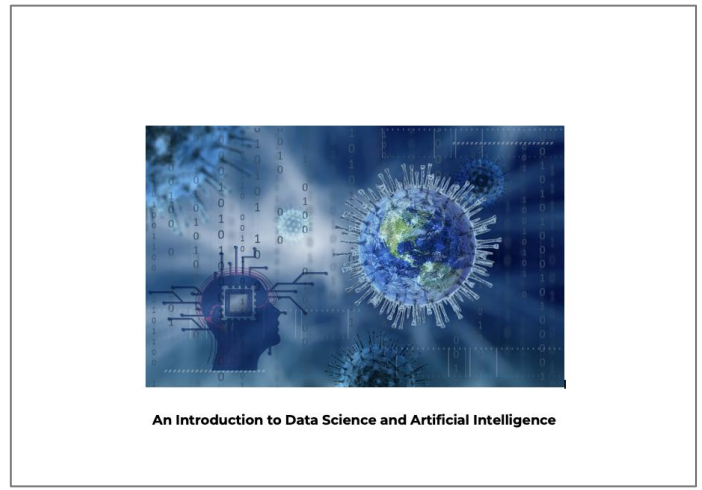
Decide on the “best” superpower in your group.
Your nominated hero will be asked to feedback this in the Meeting chat.

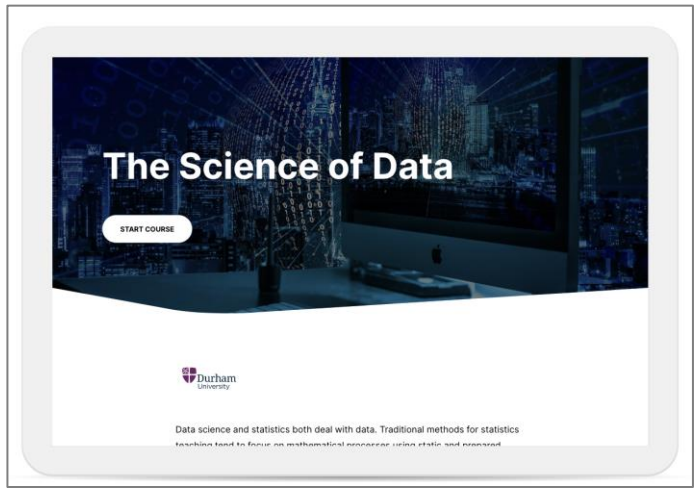
Week 1: Data Science

- Accessing the Learning resources and materials
- Study skills and employability
- Durhamlearn.org

		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** Welcome and introduction to the PHASE 1	**3.00 - 4.30 pm IST** 9.30-11.00 GMT **ZOOM** Workshop 1	**6.00 pm IST** 12.30-1.00 GMT **ZOOM** OPTIONAL Drop-in	



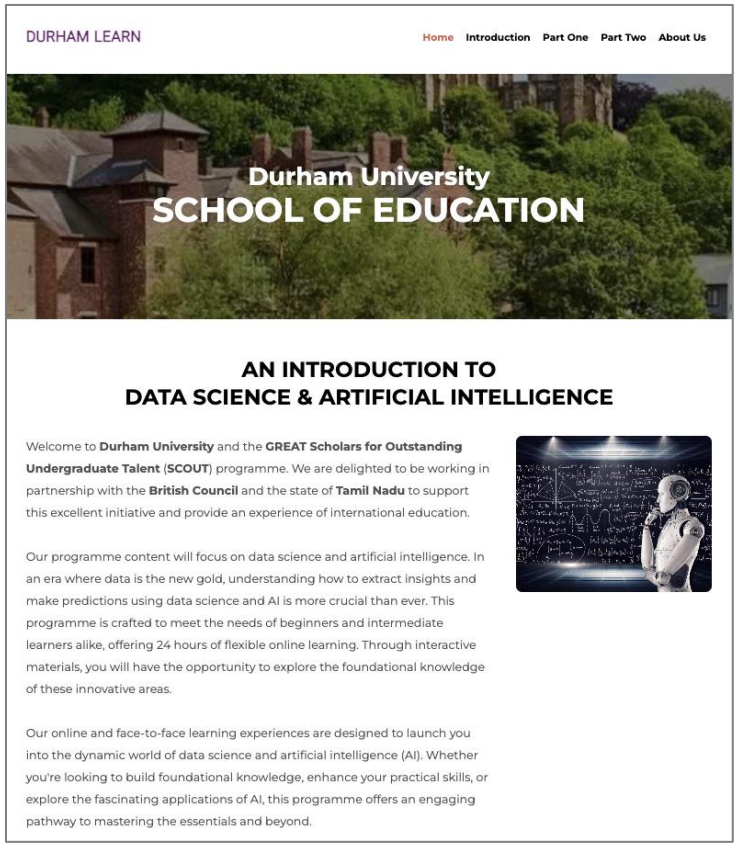


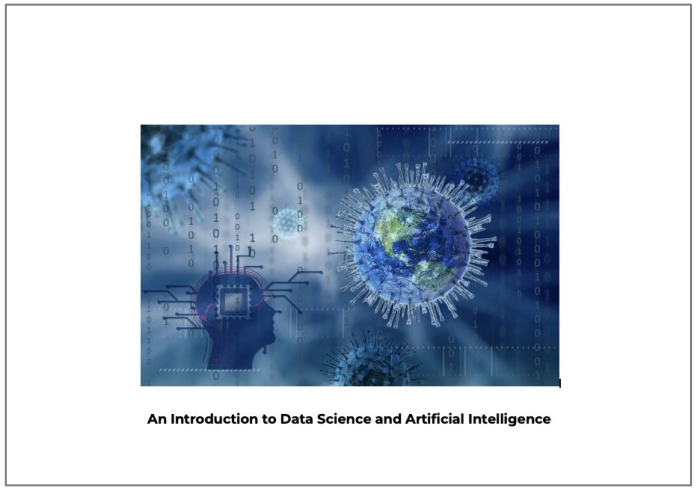


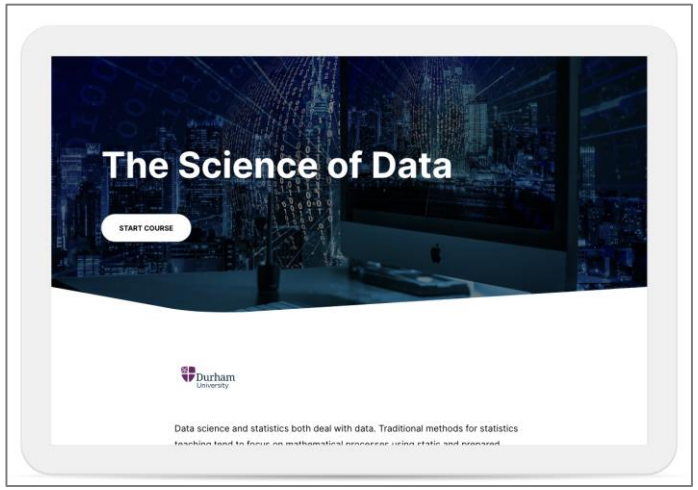
Week 1: Data Science

- Accessing the Learning resources and materials
- Study skills and employability

		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** Welcome and introduction to the PHASE 1	**3.00 - 4.30 pm IST** 9.30-11.00 GMT **ZOOM** Workshop 1	**3.00 pm IST** 12.30-1.00 GMT **ZOOM** OPTIONAL Drop-in	







Week 1: Data Science

- MILESTONE 1
- Workshop 1

		Monday 04.03.24	Tuesday 05.03.24	Wednesday 06.03.24	Thursday	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 Welcome and introduction to the PHASE 1	3.00 - 4.30 pm IST 9.30-11.00 GMT ZOOM Workshop 1	6.00 pm IST 12.30-1.00 GMT ZOOM OPTIONAL Drop-in	

Week 1: Milestones and Progress Indicators

Milestone 1

Thursday 7 March 2024

- [ ] Introduction and familiarisation with materials
- [ ] Foundations of Data Science
- [ ] Dealing with Data

Milestone 2

Friday 8 March 2024

- [ ] Outstanding workshop tasks
- [ ] Exploring and Understanding Data
- [ ] Predictive Analytics and Modelling

An Introduction to Data Science and Artificial Intelligence

Durham University

Thank you for joining the session

See you in Workshop 1

Professor Catherine Reading