OTHM · LEVEL 7 · 610/2153/2

OTHM Level 7 Diploma in Data Science

Data science foundations, probability and statistics, analysis and visualisation, predictive modelling, data mining and machine learning, and research methods.



Study it online. Finish with a qualification that is on your record for life.

Level 7	600	6	100%
REGULATED LEVEL	LEARNING HOURS	UNITS	ONLINE

Delivered online
Tutor support.

Assessed on your work
A portfolio of your own work. No written exam.

Awarded by OTHM Qualifications
We are an approved OTHM centre.

Ask us
For the fee and the next start date.

Studied online
600 guided learning hours, 1200 total qualification time, 120 credits

Tutor support throughout
Questions answered within 2 working days, feedback within 10.

Nothing paid at application
Payment only after you accept an offer.

+44 207 0990 956 info@dataaischool.com dataaischool.com

WHAT YOU WILL STUDY

6 units, 600 guided learning hours



Data Science Foundations	100 h · 17%
Probability and statistics for data analysis	100 h · 17%
Data Analysis and Visualisation	100 h · 17%
Advanced Predictive Modelling	100 h · 17%
Data Mining, Machine Learning and Artificial Intelligence	100 h · 17%
Advanced Computing Research Methods	100 h · 17%

UNIT BY UNIT

What each unit covers

Data Science Foundations

100 hours

- Understand the scope of data science and the roles of data scientists.
- Understand the legal and ethical responsibilities of data scientists and the challenges they face.
- Understand the impact of big data on society.

Probability and statistics for data analysis

100 hours

- Understand the fundamentals of probability and statistics.
- Understand Bayesian statistics.
- Be able to use statistics to test hypotheses on datasets.
- Be able to perform linear statistical modelling.

Data Analysis and Visualisation

100 hours

- Understand the foundational principles of data analytics.
- Be able to visualise and present data in an audience-appropriate way.
- Be able to apply prescriptive analytics to inform decision making.

Advanced Predictive Modelling

100 hours

- Understand a range of generalised linear models.
- Be able to develop survival analysis models.
- Be able to implement regression methods for continuous, ordered and unordered data.
- Be able to use neural networks for predictive modelling.

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Data Mining, Machine Learning and Artificial Intelligence

100 hours

- Understand the meaning of Artificial Intelligence and its role in data science.
- Understand technical, ethical, social and legal considerations for AI.
- Be able to use machine learning methods to address real world problems.

Advanced Computing Research Methods

100 hours

- Be able to evaluate research approaches in the computing discipline.
- Be able to design research methodologies for a computing research problem.
- Be able to critically review literature on a relevant research topic.
- Be able to develop a research proposal.

The learning outcomes OTHM Qualifications publishes for each unit. The assessment criteria beneath them are on the qualification page.

6	21	600
UNITS TO COMPLETE	LEARNING OUTCOMES	GUIDED LEARNING HOURS

Guided learning hours are the taught time OTHM Qualifications specifies. Your own study time is on top, and how long you take is up to you.

HOW IT WORKS

From your first unit to your certificate



01

You produce evidence

A portfolio of your own work, against the published criteria.

02

An assessor marks it

Qualified, and required to show current competence in the sector they assess.

03

The marking is checked

Sampled internally each term, and quality assured by OTHM Qualifications from outside the school.

04

OTHM Qualifications certificates you

We claim it from OTHM Qualifications. Recognised independently of us.

WHAT WE COMMIT TO

Answers, in working days

Within 2 working days
General questions

Within 10 working days of submission
Assessment feedback

Within 1 working day
Technical problems

Within 1 working day
Urgent welfare concerns

Published in DAIS-POL-024 Online Learning and Digital Delivery, and on every course page.

GETTING ON

Entry requirements

- For entry onto the OTHM Level 7 Diploma in Data Science qualification, learners must possess:
- An honours degree in related subject or UK level 6 diploma or an equivalent overseas qualification
- Mature learners with management experience (learners must check with the delivery centre regarding this experience prior to registering for the programme)
- Learner must be 21 years old or older at the beginning of the course
- English requirements: If a learner is not from a majority English-speaking country must provide evidence of English language competency. For more information visit the English Language Expectations page on the OTHM website.

This qualification does not carry UCAS Tariff points, because UCAS gives points to Level 3 qualifications only.

THE COST

How paying works

TWO WAYS

Pay in full, which costs less than the published fee, or pay monthly. No interest and no credit agreement, and the payments stop on their own.

THE CURRENT FEE

On the qualification page at dataaischool.com, or ask us and we will tell you. It is not printed here, so nothing in this guide can quote you a price we are no longer charging.

Nothing is paid when you apply. Payment is taken only after you accept an offer, and we confirm the amounts with you first.

How long it takes. 600 guided learning hours, 1200 total qualification time, 120 credits

BEFORE YOU START

What you need to take part



Device
Laptop or desktop computer

Operating system
Windows 10 or macOS 10.15 or later

Browser
Google Chrome or Mozilla Firefox, latest version

Internet speed
10 Mbps download and 5 Mbps upload

Webcam
Required for live sessions and identity verification

Microphone
Required for live sessions

Published in DAIS-POL-024, and told to every learner before enrolment.

IN MORE DETAIL

About this qualification

The qualification carries 120 credits, 1200 hours of total qualification time and 600 guided learning hours. Every unit is internally assessed by the centre and externally verified by OTHM Qualifications, and each unit is graded Pass or Fail.

ASKED BEFORE

Questions people ask

Who awards OTHM Level 7 Diploma in Data Science, and how do I get my certificate?

OTHM Level 7 Diploma in Data Science is awarded by OTHM Qualifications. The qualification number is 610/2153/2. The Data and AI School of London is an OTHM Qualifications approved centre. Once your work is assessed and quality assured we claim your certificate from OTHM Qualifications, …

How long does OTHM Level 7 Diploma in Data Science take?

This qualification carries 600 guided learning hours and a total qualification time of 1200 hours. It is studied online at your own pace, so how long it takes in calendar time depends on how much you can commit each week.

What do I need before I can start?

For entry onto the OTHM Level 7 Diploma in Data Science qualification, learners must possess: An honours degree in related subject or UK level 6 diploma or an equivalent overseas qualification. We assess every applicant individually and will tell you if a different level would …

Can I study this entirely online?

Yes. Teaching, materials and assessment are all delivered through our Moodle-based virtual learning environment, so you can study from anywhere in the UK. You need a laptop or desktop computer, a current version of Chrome or Firefox, and a broadband connection of at least 10 …

Can I enrol now, and when do I pay?

Enrolment is open, so you can apply online today. Nothing is paid at application: payment is taken only after you accept an offer. The current fee is on the qualification page at dataaischool.com, or ask us and we will tell you.

The same answers as the qualification page, built from the same record.

NEXT STEP

Apply, or ask us first

Applying costs nothing and commits you to nothing. Eight short steps, no card details and no deposit. We check the qualification suits you and say so if another fits better, and payment is taken only after you accept an offer.

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Scan for the full details

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