

Amsterdam Data Science Minor



What is Data Science?

Data Science is discovering hidden patterns in large amounts of data, using computers, brainpower and the wealth of data.

Many innovations heavily rely on Data Science:

- Self-driving cars;
- Analysing text, images and human behaviour for businesses;
- Targeted advertising;
- Sports analytics;
- Recommendation engines.

What will you Learn?

You will learn to carry out a Data Science project from beginning to end (see below diagram).

Your Future

This Minor will give you access to both UvA and VU Master programmes:

- **Information Studies:** The 'Data Science' track teaches you to apply Data Science in a wide range of areas.
- **Business Administration:** The 'Digital Business' track teaches you to apply Data Science in a commercial/business context (additional requirements also apply).

This Minor will give you excellent job prospects. McKinsey have projected a shortfall of 190,000 Data Scientists by 2018!

Credits: 30 EC

Duration: 6 months

Start: September

Language: English

Entry requirements: See next page

Minimum: 30; **Maximum:** 75 students



Amsterdam Data Science Minor: Learn to carry out a Data Science project from beginning to end.

A Multi-disciplinary Curriculum, Combining Theory and Hands-on Work

Entry Requirements

- Successful completion of Bachelor Year 1;
- Python and Statistics knowledge, if this is lacking self-study is required.

Students taking this Minor typically follow a Bachelor in: Actuarial Sciences, Business, Communication Sciences, Econometrics, Economics, Psychology, STEM studies (Science, Technology, Engineering, Mathematics). The Minor is also open to other students, provided they have an affinity with quantitative methods.

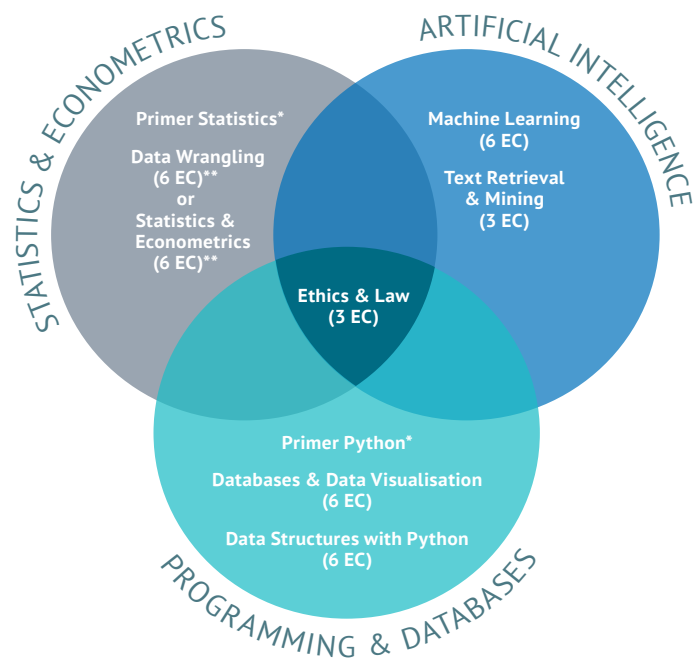
Curriculum

The Minor is comprised of the following courses (more information in the course catalogue):

- Databases & Data Visualisation;
- Data Structures with Python;
- Data Wrangling (for Econometrics students and those with a solid statistics background) or Statistics & Econometrics;
- Ethics & Law;
- Machine Learning;
- Text Retrieval & Mining.

Further Information

- www.uva.nl/minors
- www.schoolofdatascience.amsterdam/education/amsterdam-data-science-minor
- info@schoolofdatascience.amsterdam



* Self-study, prior to Minor

** Choice between the two courses

Network

The Minor is part of the Amsterdam School of Data Science, an initiative of Amsterdam Data Science, which organises Meet-ups also open to students.

- www.meetup.com/Amsterdam-Data-Science