



MASTER OF APPLIED STATISTICS

AALBORG
UNIVERSITY



TURN DATA INTO DECISIONS

PART-TIME PROFESSIONAL MASTER

In today's data-centric world, the ability to manage, analyse and extract meaningful insights from data using statistics, AI and data science has never been more critical. Professionals who can systematically transform information into strategic knowledge are in increasing demand, as companies within a wide range of industries gain access to unprecedented amounts of data.

THE MASTER OF APPLIED STATISTICS (MAS) IS A FLEXIBLE PART-TIME PROGRAM DESIGNED FOR WORKING PROFESSIONALS WHO WANT TO DEEPEN THEIR EXPERTISE WITHIN QUANTITATIVE DATA IN THEIR RESPECTIVE FIELDS - WITHOUT PAUSING THEIR CAREERS.

FACTS

- Two-year part-time professional master's programme
- 60 ECTS
- Flexible teaching fitting your daytime job - 5 seminars in Aalborg during the 1st and 3rd semesters + online lectures, workshops, exercises, study groups + exams
- Rooted in the Department of Mathematical Sciences and the Department of Computer Science, Aalborg University
- No existing programming experience required

With the MAS programme, you learn how to:

- Collect, clean, analyse, interpret and visualise large and complex amounts of data
- Combine statistical principles and powerful AI techniques
- Apply your skills to real-world data - from your own company (if possible) - to transform it into valuable information
- **Transform large, complex amounts of data into reliable knowledge for strategic decision making**



The Master of Applied Statistics enables you to work in a structured and goal-oriented manner with quantitative data gathering, analysis and visualisation.

The Bring Your Own Data project work ensures a close synergy with your own field of expertise, guaranteeing instant application of your new skillset to your everyday work.

- **Head of Studies, Mikkel Meyer Andersen,
Aalborg University**



MAS

ENROLL IN THE FULL PROGRAMME - OR SINGLE COURSES

First semester

- Programming for Data Wrangling and Visualisation
- Introduction to Statistics
- Introduction to AI Techniques

Second semester

Elective project: Statistical modelling of your own data OR
Applications of AI on your own data

Third semester

- Advanced Data Wrangling and Interactive Visualisation
- Advanced Statistics
- Advanced AI

Fourth semester

Master project

Admission fee:

Full programme: DKK 160,000 (4 x DKK 40,000)

Single course, 5 ECTS: DKK 15,000

Single semester, 15 ECTS: DKK 40,000



CAREER IMPACT

With MAS, you will achieve expertise in a unique combination of advanced statistical modelling, machine learning integration, data visualisation, and predictive analytics.

The intersection of statistics, AI, and data science opens a number of career opportunities, as you will have strong skills within systematic transformation of raw information into strategic knowledge with immediate applicability to your field of expertise.

COMPANY IMPACT

Companies offering their employees the MAS programme will gain in-house skills for utilising their quantitative data for a range of purposes:

- operational optimisation
- strategic and financial decision making
- product development
- marketing and sales optimisation
- and much more.

WORKING WITHIN ONE OF THESE SECTORS?

THEN THE MAS PROGRAMME IS RELEVANT FOR YOU!

FINANCE AND BANKING

ENERGY SECTOR, INCLUDING TRADING

ENVIRONMENT

BIOLOGY AND CHEMICAL ENGINEERING

PHARMA/MEDICINE/HEALTHCARE

TRADERS

DEFENCE AND ASSOCIATED INDUSTRIES

PUBLIC AGENCIES, INCLUDING TECHNICAL ADMINISTRATION

TRANSPORT AND LOGISTICS

UTILITY SECTOR

COMPANIES PROVIDING PRODUCTS THAT UTILISE IOT AND OTHER DATA-COLLECTING TECHNOLOGIES

OTHER SECTORS WORKING WITH OR HAVING ACCESS TO LARGE AMOUNTS OF DATA

READY FOR YOUR NEXT CAREER MOVE?

READ MORE AND APPLY AT [MAS.AAU.DK](https://mas.aau.dk)

QUESTIONS? CONTACT US AT [MAS@AAU.DK](mailto:mas@aau.dk)



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