



MSc PROGRAMME in DATA SCIENCE

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HOW TO PREVENT SHIPWRECKS WITH THE HELP OF BIG DATA?

Data science combines computer science and statistics to solve exciting data-intensive problems in industry and in many fields of science. As data is collected and analysed in all areas of society, demand for professional data scientists is high and will grow higher. This interdisciplinary Data

Data Scientist: The Sexiest Job of the 21st Century

by **Thomas H. Davenport** and **D.J. Patil**

FROM THE OCTOBER 2012 ISSUE

 SUMMARY

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When Jonathan Goldman arrived for work in June 2006 at LinkedIn, the business networking site, the place still felt like a start-up. The company had just under 8 million accounts, and the number was growing quickly as existing members invited their friends and colleagues to join. But users weren't seeking out connections with the people who were already on the site at the rate executives had expected. Something was apparently missing in the social experience. As one LinkedIn manager put it, "It was like arriving at a conference reception and realizing you don't know anyone. So you just stand in the corner sipping your drink—



Tasks of a data scientist (O'Reilly Data Science Salary Survey 2017)

1. Basic exploratory data analysis
2. Conduct data analysis to answer research questions
3. Communicate findings to business decision-makers
4. Data cleaning
5. Develop prototype models
6. Create visualizations
7. Identify business problems that can be solved with analytics



Data Science = Extraction of knowledge from data





Data Science MSc Programme

- Combination of Computer Science and Statistics
- Room for minor studies also in other fields
- The programme started in 2017
- Teaching language: English
- Currently around 80 students in the programme
- Number of international applicants rising:
 - 84 (2017) -> 155 (2018) -> 278 (2019)



Welcome to the Data Science MSc Programme!