



DATA SCIENCE, COMPUTATIONAL CREATIVITY AND DIGITAL HUMANITIES

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DATA SCIENCE = EXTRACTION OF KNOWLEDGE FROM DATA



A large blue and green shipwrecked vessel, possibly a fishing boat, is tilted at a steep angle in the water. The ship's hull is rusted and damaged. In the background, there are green hills and a clear sky. The water is a calm, light blue. A large rock is visible in the foreground on the right.

DATA SCIENCE MASTER'S PROGRAMME

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

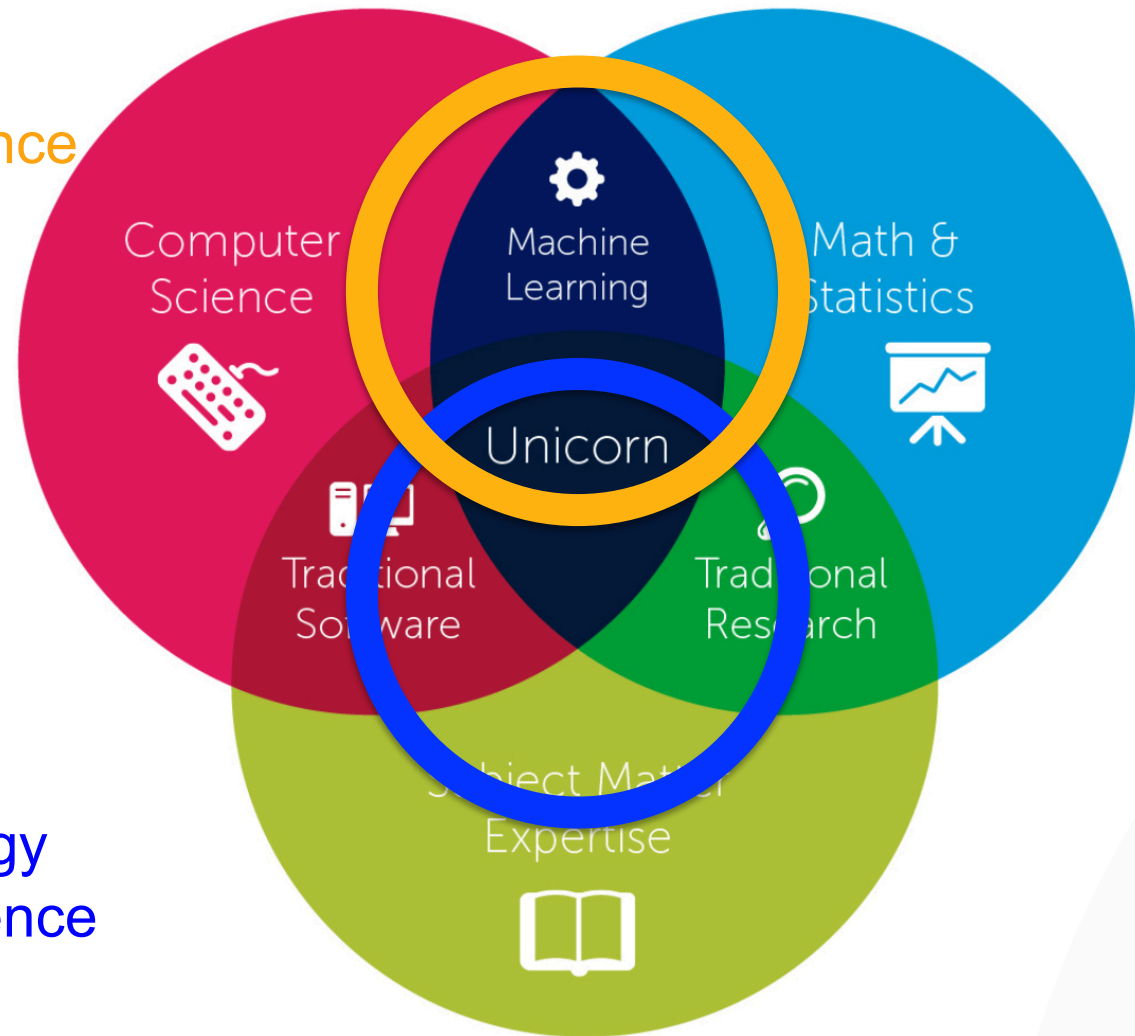


COLLABORATION IN DATA SCIENCE EDUCATION IN UH

- Basics of Data Science and/or AI (15-35 cr)
- Machine Learning
- Data Science Infrastructures
- ...

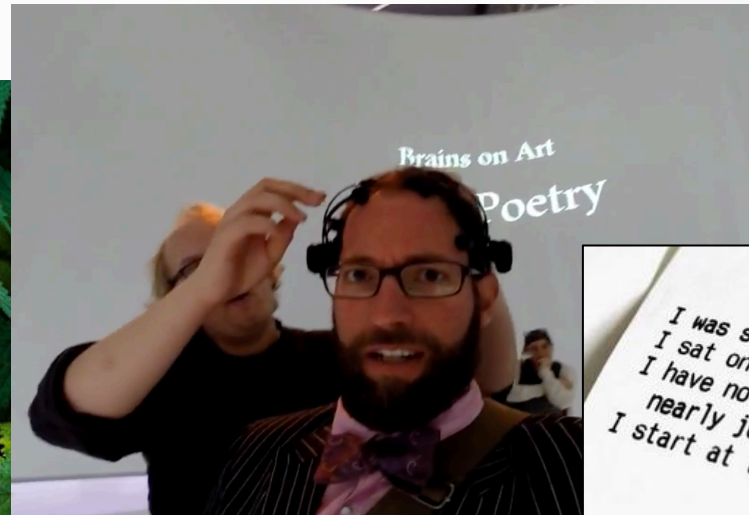


- Digital Humanities
- Cognitive Science
- Language Technology
- Comput. Social Science
- ...

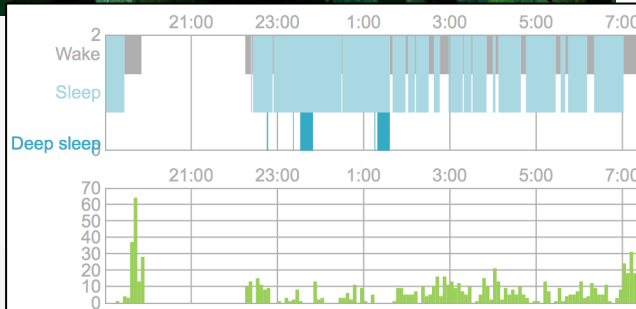




COMPUTATIONAL CREATIVITY (RES. GROUP OF H. TOIVONEN)



Brains on Art
BRAIN POETRY (2014)
I was sent away
I sat on the doorside bench
I have not felt though I too
nearly join'd
I start at the sound of my own





COMPUTATIONAL CREATIVITY AND DIGITAL HUMANITIES (AN EU PROJECT PROPOSAL)

Historian



- Topics
- Interests
- Profile
- Usage history

Digitized newspapers



Autonomous
investigator and
reporter software

- Query creation
- Result analysis
- Iterative investigation
- Report creation



HIDATA: HELSINKI CENTER FOR DATA SCIENCE

- A new network for data science in UH and Aalto
 - Coordinated at Kumpula
 - Multi-disciplinary
- A kick-off event on Dec 1st, at 1 pm in Kumpula
- Register your interest in web: Data Science MSc -> “Contact”

