DIGITALIZATION AT AARHUS BSS

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FUTURE WORK: RUN WITH THE MACHINE

Annie the accountant used to gather data herself. It would have taken weeks, even months, to do the work Ben the bot now does. Now that Annie has Ben the bot working on the mundane work, she has time to be creative, think about solutions and her job is more exciting. She is viewed as a strategic partner with the client.

ANNIE THEN
Mundane, mind-numbing tasks; number crunching.

ANNIE NOW
Ben frees up 40 to 50 percent of her time by analysing data. She can now:
► Use her expert decision-making abilities.
► Use logic or reason to answer questions.
► Become a strategic advisor.

Ben the bot is a virtual employee of a large Denver accounting firm. Every day, he gathers volumes of data for the firm’s clients. He can analyze thousands of items in a data set and compare it to thousands of other items in a second data set — which in the past could not talk to each other. Ben then puts the results of the comparison in an email and sends it to Annie the accountant.

TYPICAL TASKS
► Compare 10k items
► Detect patterns
► Uncover anomalies
► Develop predictive models to project revenue

BOT ADVANTAGES
► Accuracy
► Improve fraud detection

Sources: Raik Hoffmann, KPMG advisory director Denver Ignition office; Mark Belfance, Ernst & Young Denver managing partner; and Duane Squier, EKS&H IT director.
THREE LEVELS OF MASTERY ON A SOLID BASE

Understand the technology
• InfoSys 101
• Digital technologies
• AI - Analytics - Robotics

Work with technology
• Understand the logic of technology
• Understand biases
• Value adding
• Expert decision making

Develop the technology
• Problem decomposition
• Pattern recognition
• Algorithm design
• Programming

Computational thinking
Data Science
BETWEEN THE PRESENT AND THE FUTURE

BACHELOR

MSc

Badges and Microcredentials
A CHANGE THAT NEEDS 360° SUPPORT

Programs that create students with the skilmix that future enterprises will want to pay for

- Management Support
- Inspire new research
- Inform on future skill requirements
- Support the approach to new topics
- Inform on current status
- Provide ready tools

BSS Digitalization Dashboard
SUPPORT DECISION MAKING WITH DATA

Digital maturity of students
- Students survey

Digital content in courses
- Course survey

Demands for digital skills
- Job market survey