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Ledelse i maskinalderen

Hvordan kunstig intelligens kommer til å endre lederjobben

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Entering the age of intelligent machines

- The rise of Artificial Intelligence (AI) and robotics is predicted to drive the biggest technology disruption in the workplace since the Industrial Revolution
 - 33-50+ % of jobs estimated to be computerized
- Artificial intelligence combines multiple technologies into applications that can sense, comprehend, act, and learn
- Prior waves of new technology in the workplace have mainly impacted workers, rather than managers
- This is different. Artificial intelligence will radically change knowledge work incl. core management tasks.



Intelligent Machines: The jobs robots will steal first

By Jane Wakefield
Technology reporter

© 14 September 2015 | Technology



Are you ready for a machine your leadership team?



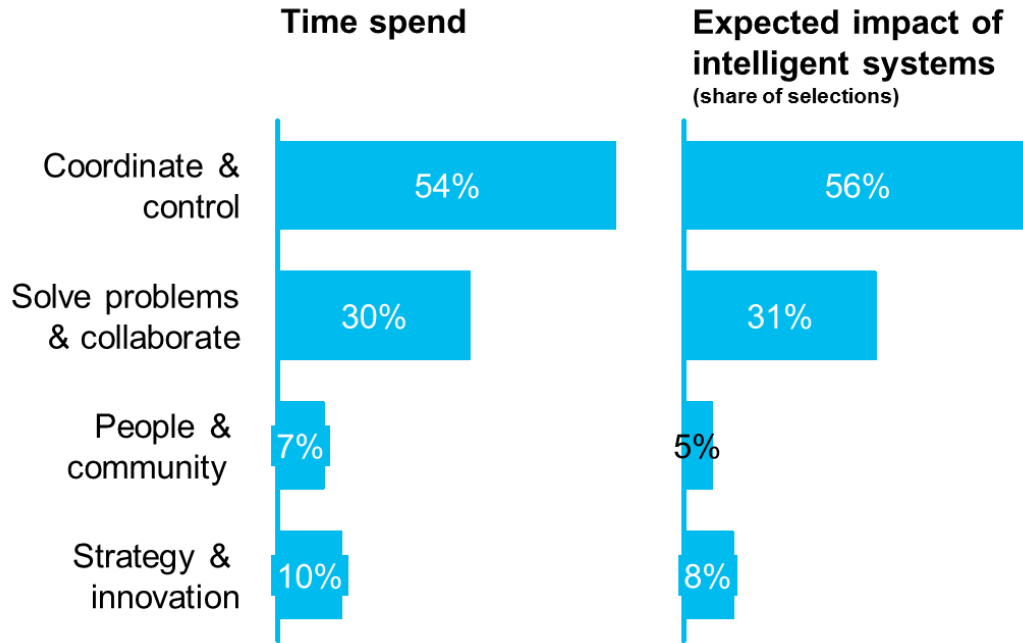
- In 2014 the Hong Kong VC firm appointed the intelligent algorithm VITAL* to its board and gave it voting rights in investment decisions
- Has voted on a number of investments



- How will artificial intelligence impact managers' work?
- What are the actions managers and employers must take to fully integrate the power of artificial intelligence into their organizations?

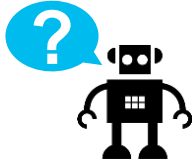
Managers spend most of their time on tasks that intelligent machines will do in the future

Time spent and expected impact of AI on management tasks



The greater the presence of machines, the greater the need for human judgement

The human edge



- It is amazing what AI can do with information, but some decisions require insight beyond what a information can tell



- This is the sweet spot for human judgment – applying experience and expertise to critical business decisions and practices

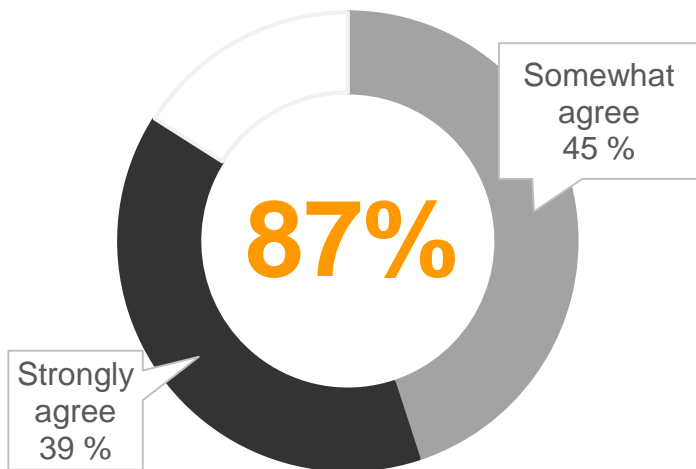
AI stirs both excitement and fear

Opportunity

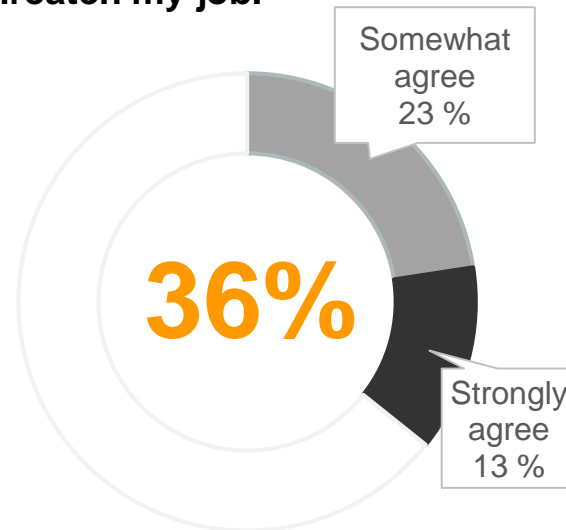
&

Threat

"Will make my work more effective and interesting"*



"I fear that intelligent systems will threaten my job."**



Source: Accenture Cognitive Computing in Management Survey, Aug-Sept 2015

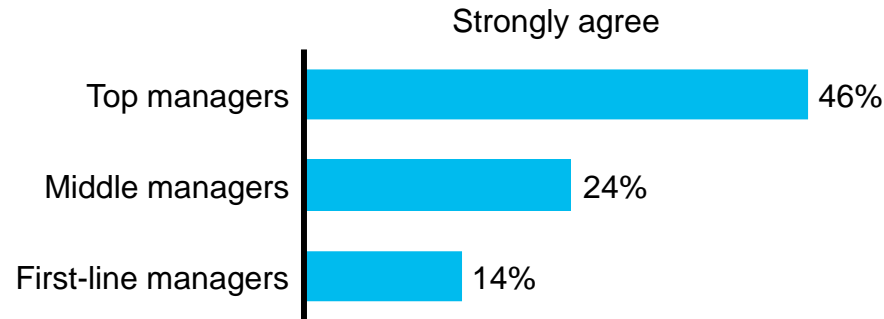
* Intelligent systems will help me to become more effective in my work and focus more on interesting and impactful tasks.

** I fear that intelligent systems will threaten my job.

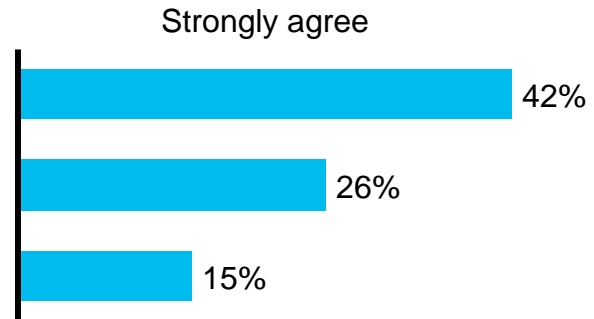
Lower level managers are much more skeptical about taking advice from machines than their bosses

Trust in and comfort with...

"Trust system advice in business decisions"*



"Comfortable with intelligent system monitoring and evaluating my work"**



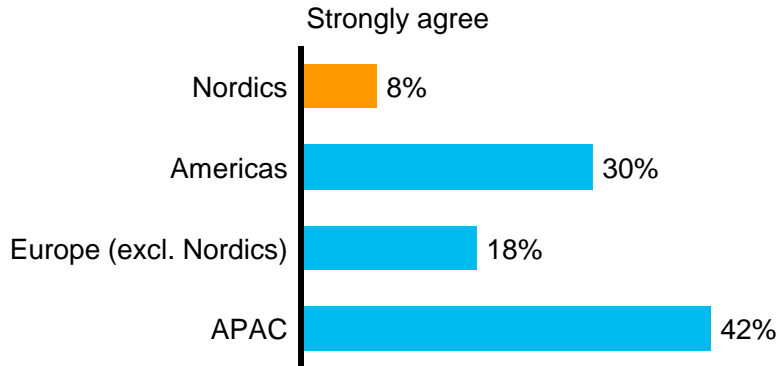
Source: Accenture Cognitive Computing in Management Survey, Aug-Sept 2015

* I would trust the advice of intelligent systems in making business decisions in the future (e.g. an investment decision or deciding whom to hire or promote).

** I am comfortable with an intelligent system monitoring and evaluating my work.

Are we so skeptical in the Nordics that we will be leapfrogged by emerging economies?

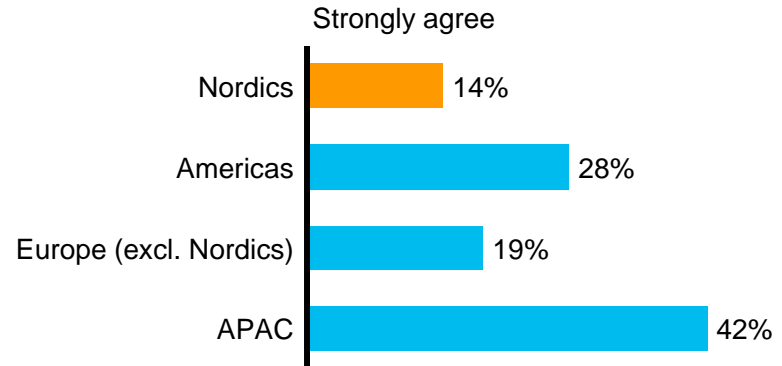
Trust in Advice from AI*



Max/Min Observations



Comfortable with System Monitoring and Evaluating My Work**



Max/Min Observations



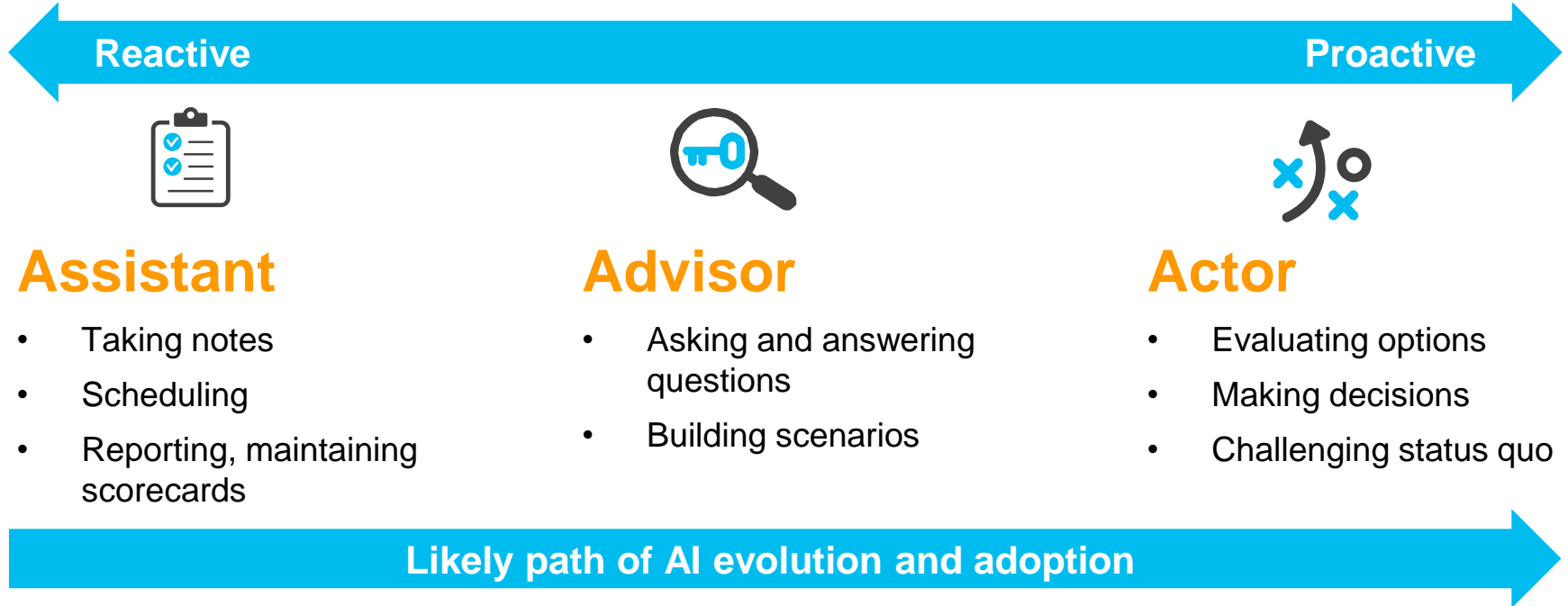
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Intelligent machines will fill a variety of roles in management

Roles of intelligent machines



Steps to success

Leaders must be prepared for technology to take on more routine tasks



Explore early, **experiment and engage** with new technology and pilots



Assign **new key performance indicators** to drive successful adoption of AI



Develop **training and recruitment strategies** for creativity, collaboration, empathy and judgment skills



Start building **the intelligent enterprise**—combine AI and collective human intelligence for optimal outcomes