



Katerina Bohle Carbonell - Maastricht University

55 Jobs of the Future

🕒 November 11th, 2011 💬 33 Comments

📁 Business Trends, Future Scenarios, Predictions, Social Trends, Technology Trends



Jobs by 2020

- Augmented reality architects
- Alternative currency banker
- seed capitalist
- Global system architects
- Urban Agriculturalists
- ...

Jobs by 2030

- Drone dispatcher
- Body part & limb maker
- Geoengineers
- Amnesia surgeons



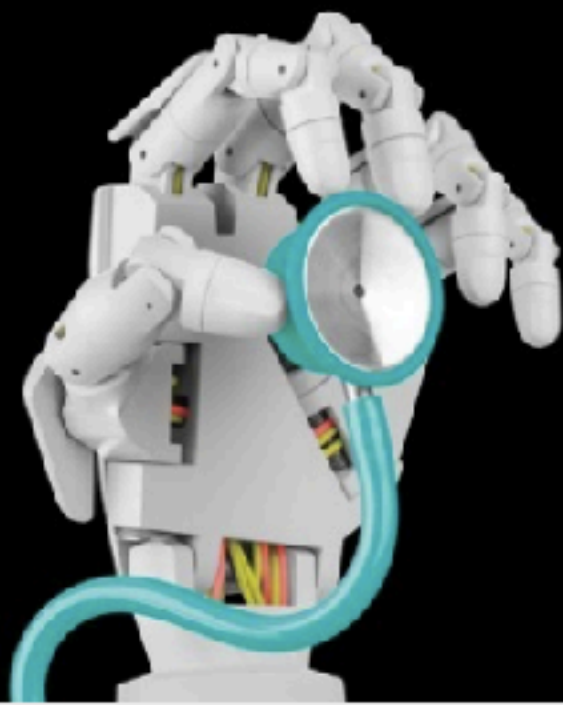
A World Without Work

For centuries, experts have predicted that machines would make workers obsolete. That moment may finally be arriving. Could that be a good thing?

by Derek Thompson, July/August 2015

The Robot Will See You Now

IBM's Watson—the same machine that beat Ken Jennings at *Jeopardy*—is now churning through case histories at Memorial Sloan-Kettering, learning to make diagnoses and treatment recommendations. This is one in a series of developments suggesting that technology may be about to disrupt health care in the same way it has disrupted so many other industries. Are doctors necessary? Just how far might the automation of medicine go?

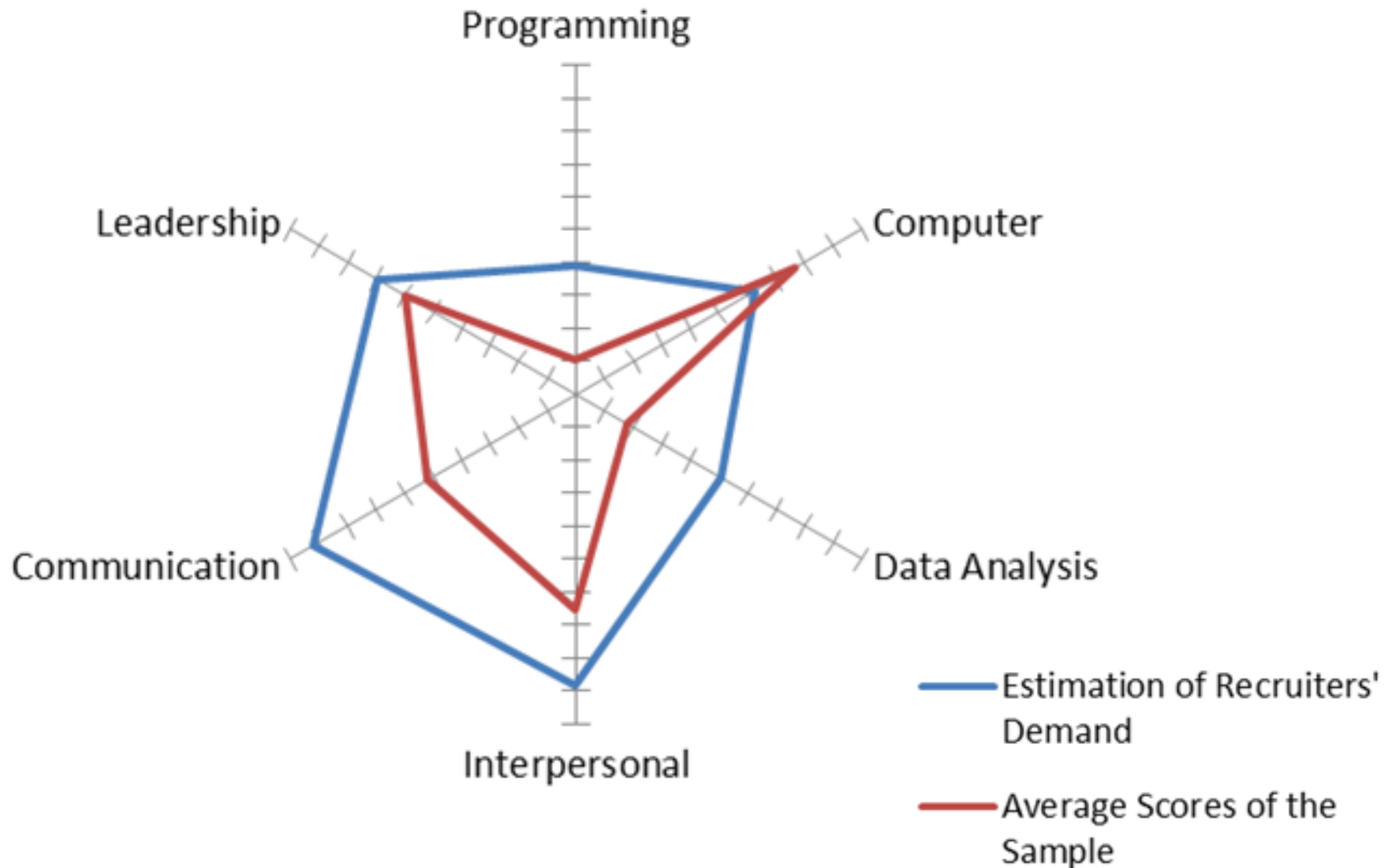


Future of Business Schools



**Using Data Scraping to Evaluate
Business School Graduates' Skills and
their Relevance for the Future**

Skills Mismatch

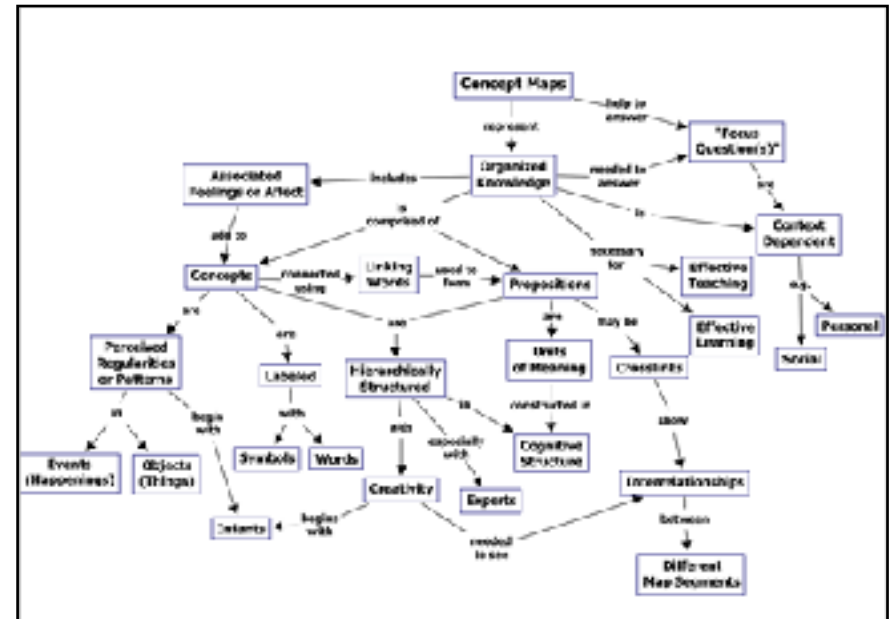
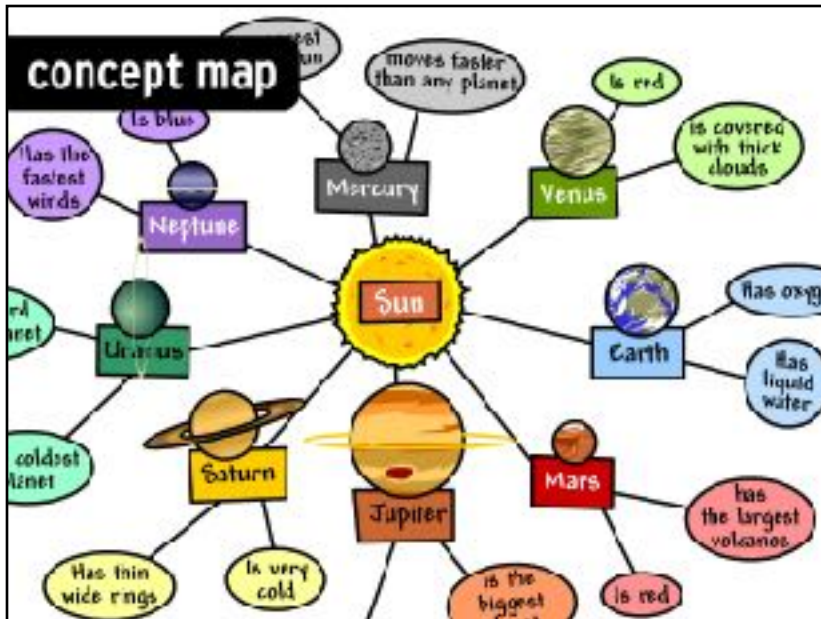




**How to prepare your
students?**

A World Without Work

Learning to Learn: Exploration and connection



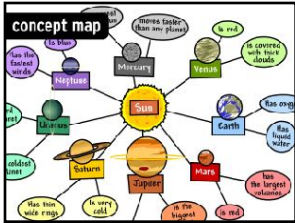
hierarchical structure

supports: efficiency & quick decision

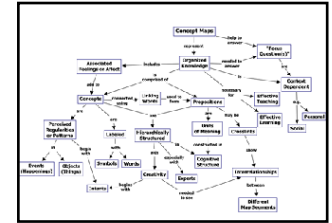
messy structure

supports: adaption & innovation

Learning to Learn: Exploration and connection



How to ?



Create Foundations

- Self-study
- Lectures

Stimulate exploration

- Case studies
- Problem-based learning
- Project-based learning

Schedule time to handle errors

- finding the source of error

Learning to Learn: Reflection



Investigating the sources of performance

Learning to Learn: Reflection



How to ?

Judgment-of-Learning

- Fill out/create diagrams
- Create new content from just-learned content

Can be

- *used as checklist*
- *done immediately or delayed*

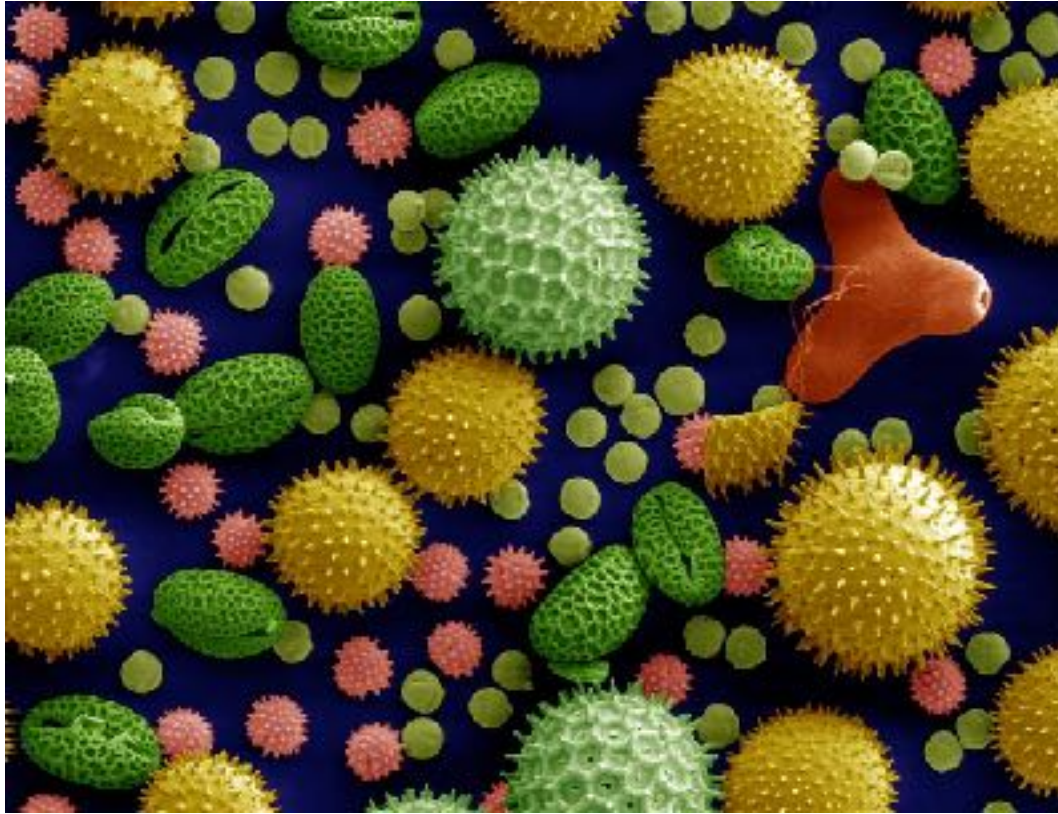
Feedback + Checklist + Reflection

- Performance feedback (e.g., grade)
- To-do's to check understanding
- To-do's with hints about solution

van Loon, M. (2014). Fostering Monitoring and Regulation of Learning. *PhD Dissertation, Maastricht University*

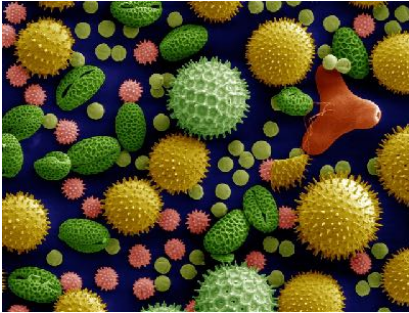
Grohnert, T., Meuwissen, R. H. G., & Gijssels, W. H. (2017). Minimizing Professional's overconfidence by Maximizing Learning: Feedback, Checklists, and Reflection

Learning to Learn: Task Variety



Learning to adapt

Learning to Learn: Task Variety



How to ?

Requirements

- Foundation available to students
- Scaffolding

Introduce Novelty

- Change the context
- Change the available resources

van Merriënboer (2013). Perspectives on problem solving and instruction

Barnett & Koslowski (2002). Adaptive expertise: Effects of type of experience and the level of theoretical understanding it generates



Measuring progress

Standard Measures

- Exams
- Projects
- Survey
 - Adaptive Expertise Inventory

New Methods

- knack.it Scores
- LinkedIn skill recommendation by peers & teachers
- Cognitive maps (mind maps)





- *Reflection*: students ‘own’ their learning process
- *Exploration*: Projects with external partners
- *Task variety*: alternate between acquisition & application of knowledge

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- *Reflection*: Meetings with instructors
- *Exploration*: Discussion based classes, quick feedback
- *Task variety*: interdisciplinary study & diverse and small student body



k.bohlecarbonell@maastrichtuniversity.nl
@katerinabohlec