

Education 4.0

Is there a synergy between Industry 4.0 and Education?

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International Workshop on Knowledge Management
IWKM'2017

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It all started with...



VSM (City University)

Personalized University

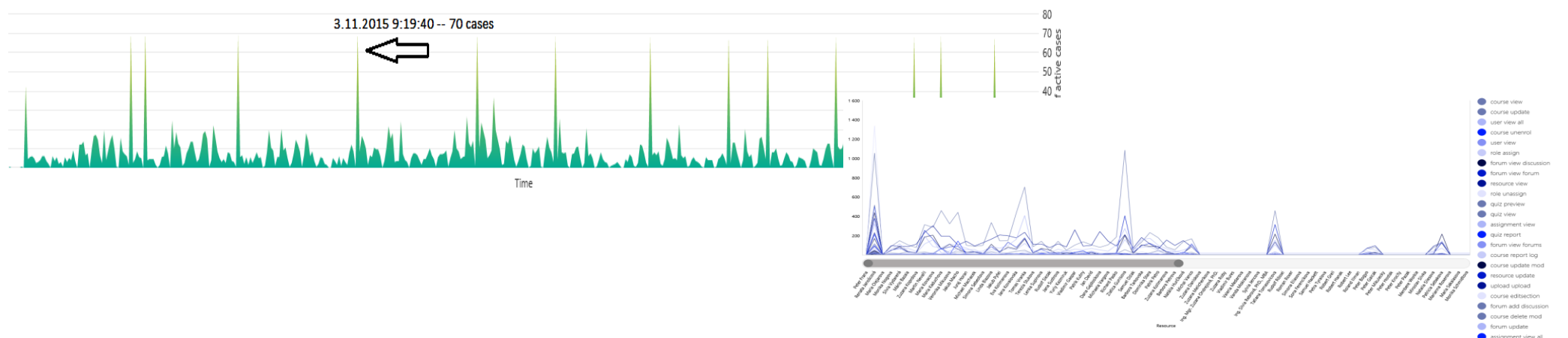
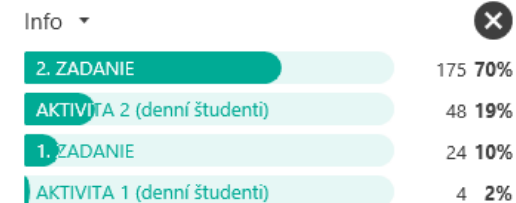
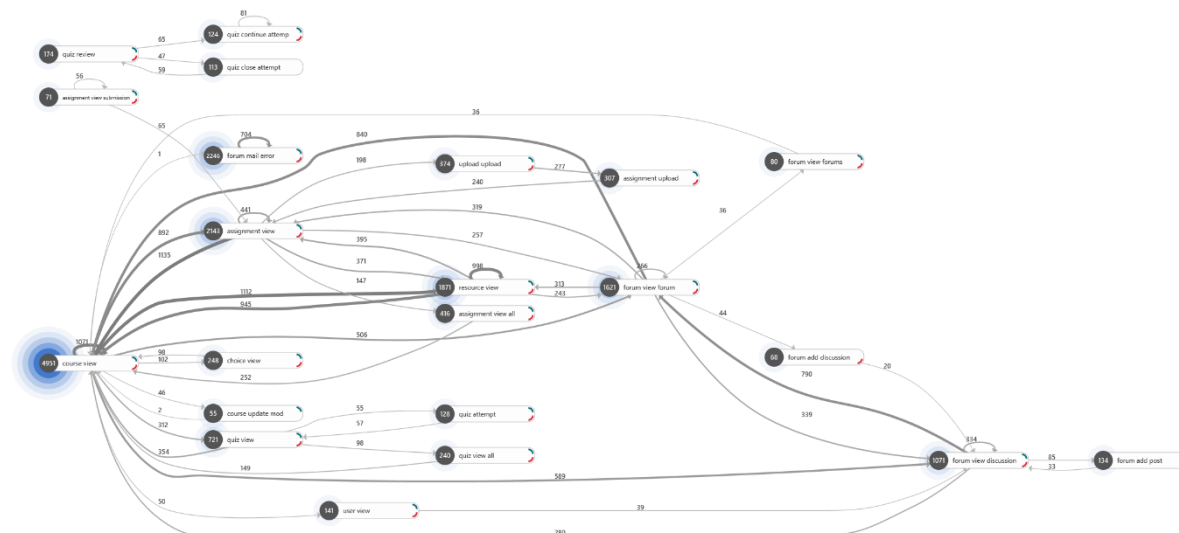
Analytical Results

- Comparing A & B grade students to E graders
- 7 activities revealed in their flow
- Rising activity by 50% and redistributing in time

Outcome

- Easier student onboarding
- Best practice guide

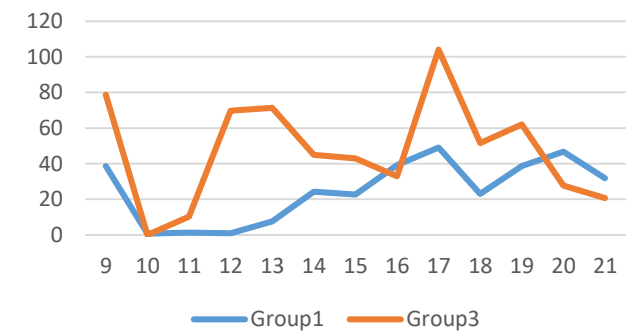
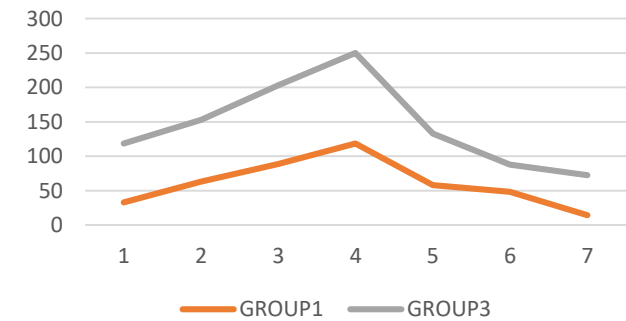
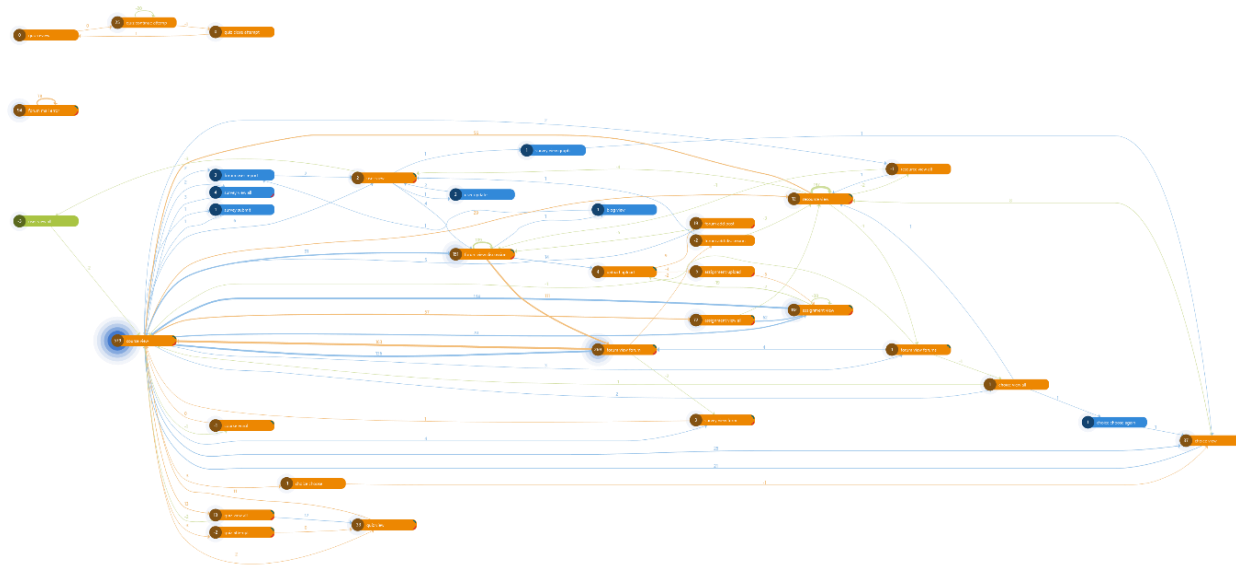
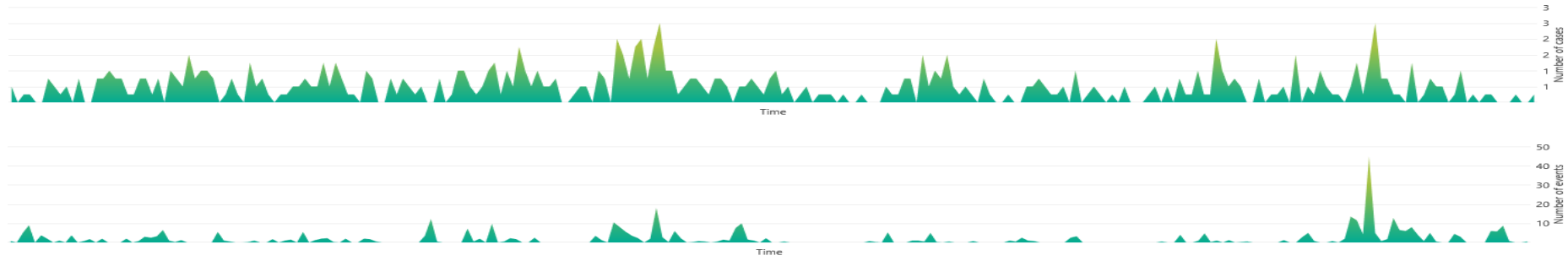
Phase 1



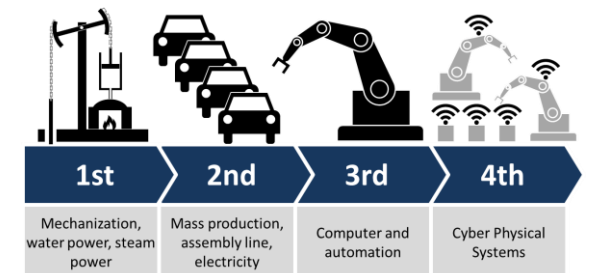
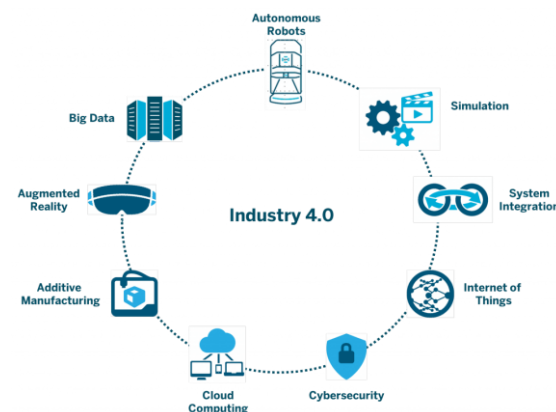
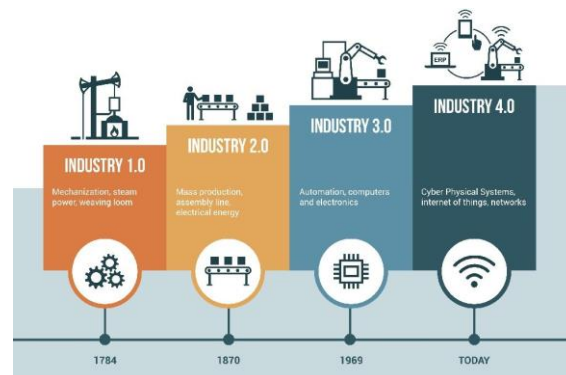
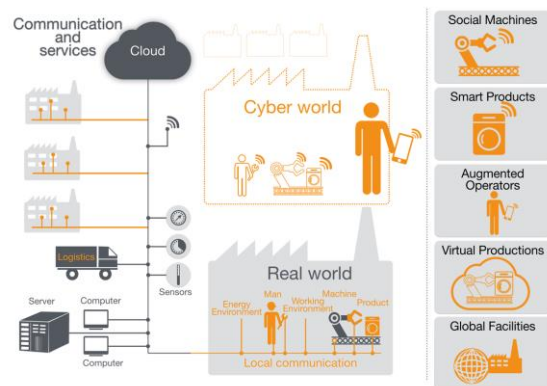
Further questions

- Can we focus on a specific study field?
- Are we able to enrich the data with final grades and thus distinguish students?
- Are we able to distinguish the process variants and habits of best performers?
- And what about comparisons to low performers?
- Would it be possible to learn from the best and guide newcomers to achieve better final grades?

Phase 2



What else can be done?



Industry 4.0

Cyber-physical
systems

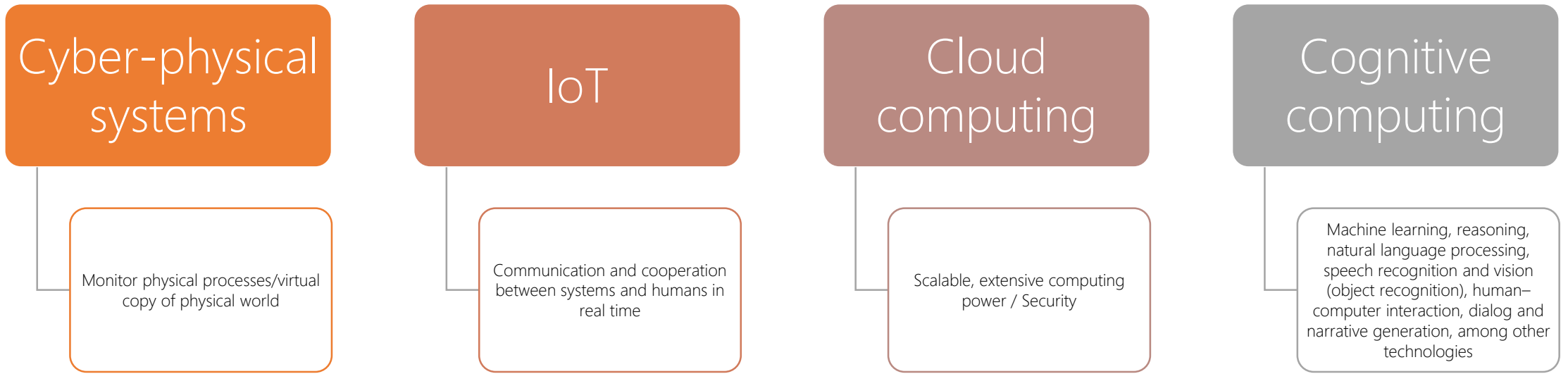
IoT

Cloud
computing

Cognitive
computing

Industry 4.0

Resource: <https://en.wikipedia.org>



Industry 4.0

01

Connection
(sensor and
networks)

02

Cloud
(computing and
data on demand)

03

Cyber
(model &
memory)

04

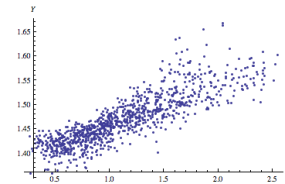
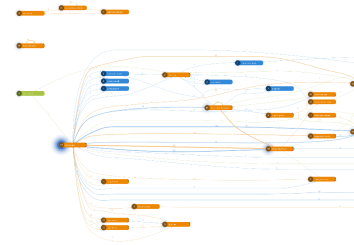
Content/context
(meaning and
correlation)

05

Community
(sharing &
collaboration)

06

Customization
(personalization
and value)



6C of BigData Analytics in **EDUCATION** 4.0

Resource: <https://en.wikipedia.org>

THANK YOU



Michal Rosik

PRODUCT VISIONARY

As Product Visionary for minit, Michal defines the Research & Development direction for this process mining solution, develops close ties to the academic community in this area and evangelises process mining benefits to enterprises worldwide. Michal previously lead Microsoft Consulting department in Siemens and was involved in several large enterprise projects as a consultant and project manager. In his free time, he is a passionate trail runner.

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