

Strategy Process

Lecture 5: Artificial intelligence and strategy making

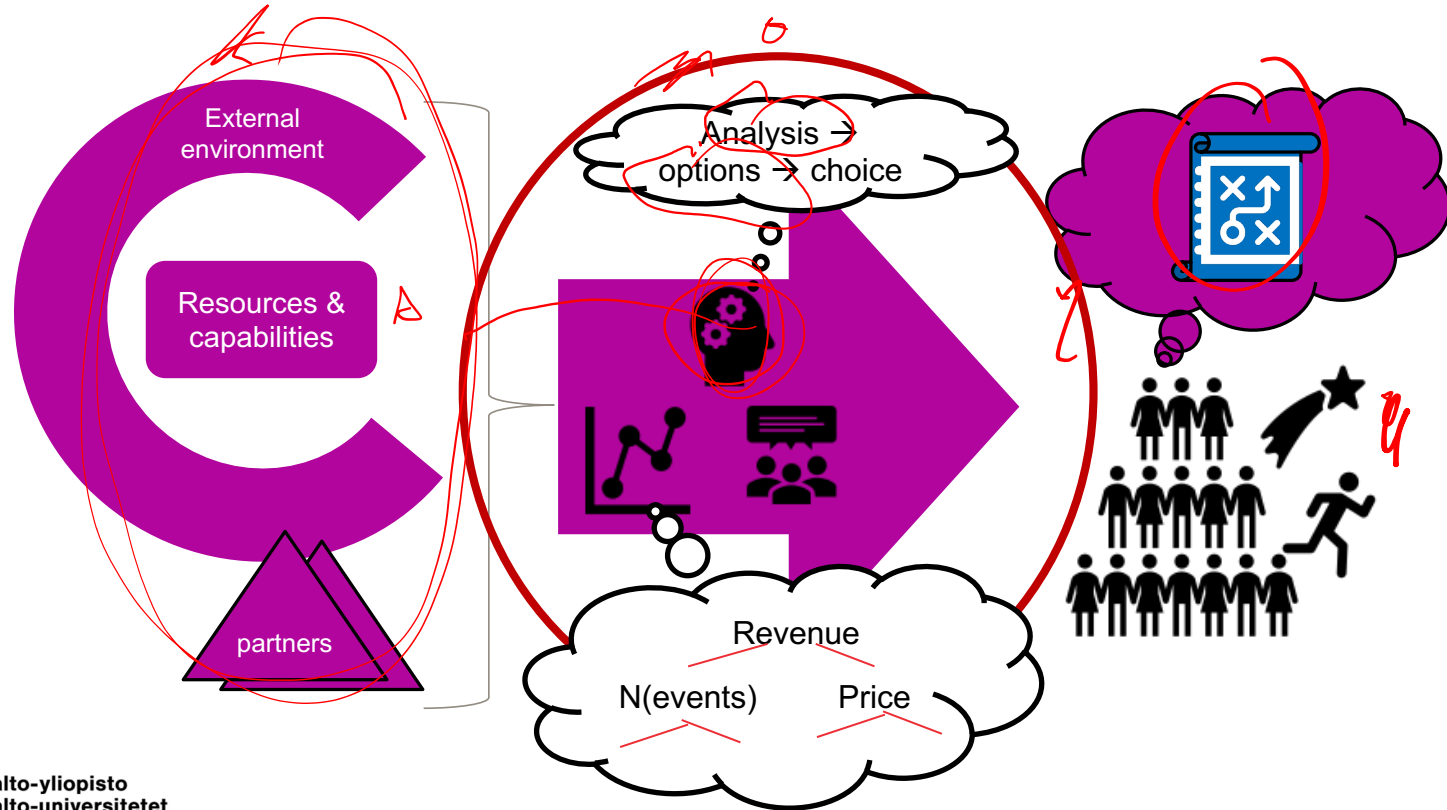


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4/2021

Recap of the formulation process



Recap of key challenges discussed

Bounded rationality

Satisficing search

Mental models

Assumptions

Quantification

Emotion regulation

Structure

- Silos
- Hierarchy

Team composition

- Diverse perspectives
- Cohesion
- Information elaboration



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Discussion: AI and bounded rationality?

Bounded rationality

capacity
time limit → AI for routines
gives through data

10 min

Satisficing search

can remove in principle

Mental models

can evaluate various stimuli
- defective view of world

• Data quality
• Measurable

Assumptions

no same biases

Quantification

ML creates obj. MM

can get more accurate data
even for things that are difficult

DM compatibility
Consistency

real-time updating

Upright

Discussion: AI and bounded rationality?

see big picture $\left\{ \begin{array}{l} \text{BR} \\ \text{SS} \end{array} \right.$, quanti

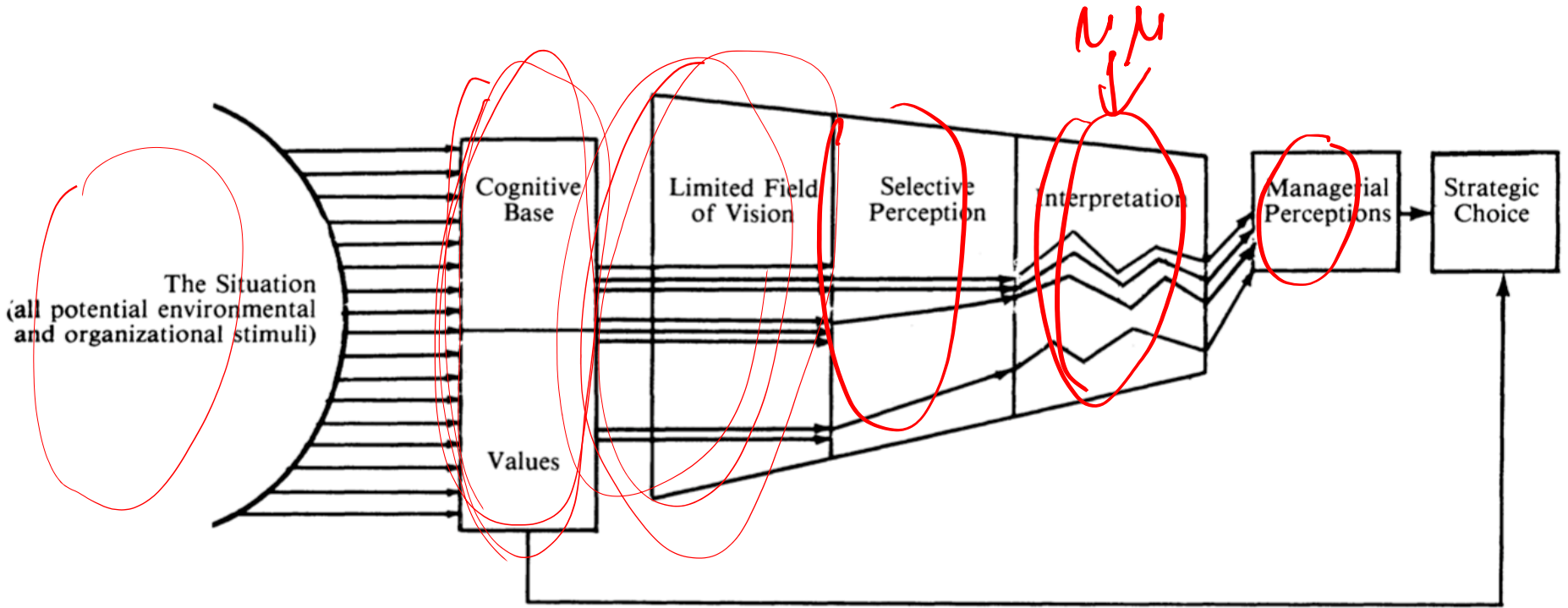
Ability to filter data, make unbiased decisions

↳ MM
↳ Assump.
↳ q.

AI - real data abstr. $\left\{ \begin{array}{l} \text{assump} \\ \text{prediction} \end{array} \right.$

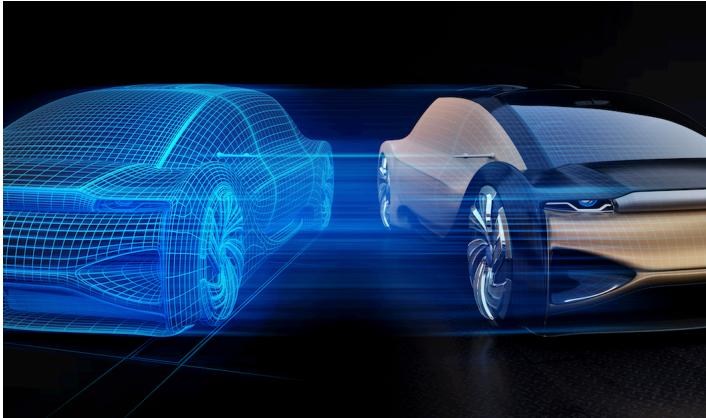
Judea Pearl

AI - possible factors having effect



Build digital twins

- introduce digital twin thinking into your organization
- Build digital twin of your platform
- Connect AI and digital twins
- Reimagine your business with AI and digital twins



<https://press.siemens.com/fi/fi/lehdistotiedote/siemens-ja-nestle-kehittavat-viisi-vuotta-juuan-tuotantolaitosta-yhdessa-ja-jakavat>

Discussion: AI and emotions?

NOVA period 1

~~hierarchy → TMT pressure → ens. take over →~~

Bad decisions



Trust
↓
Project bias reduced

AI → reduce TMT pressure

AI → ~~bad~~ decisions

reduce coal & pressure

transparency → available for DM

→ Fear would make MM distort input/manipulate

→ forward

• AI would reduce attention outwards



JBL

14:45
4 min.

Discussion: AI, organizational structure, and team composition?

Silos

Hierarchy

Team selection (composition)

Diverse perspectives

Cohesion

Information elaboration

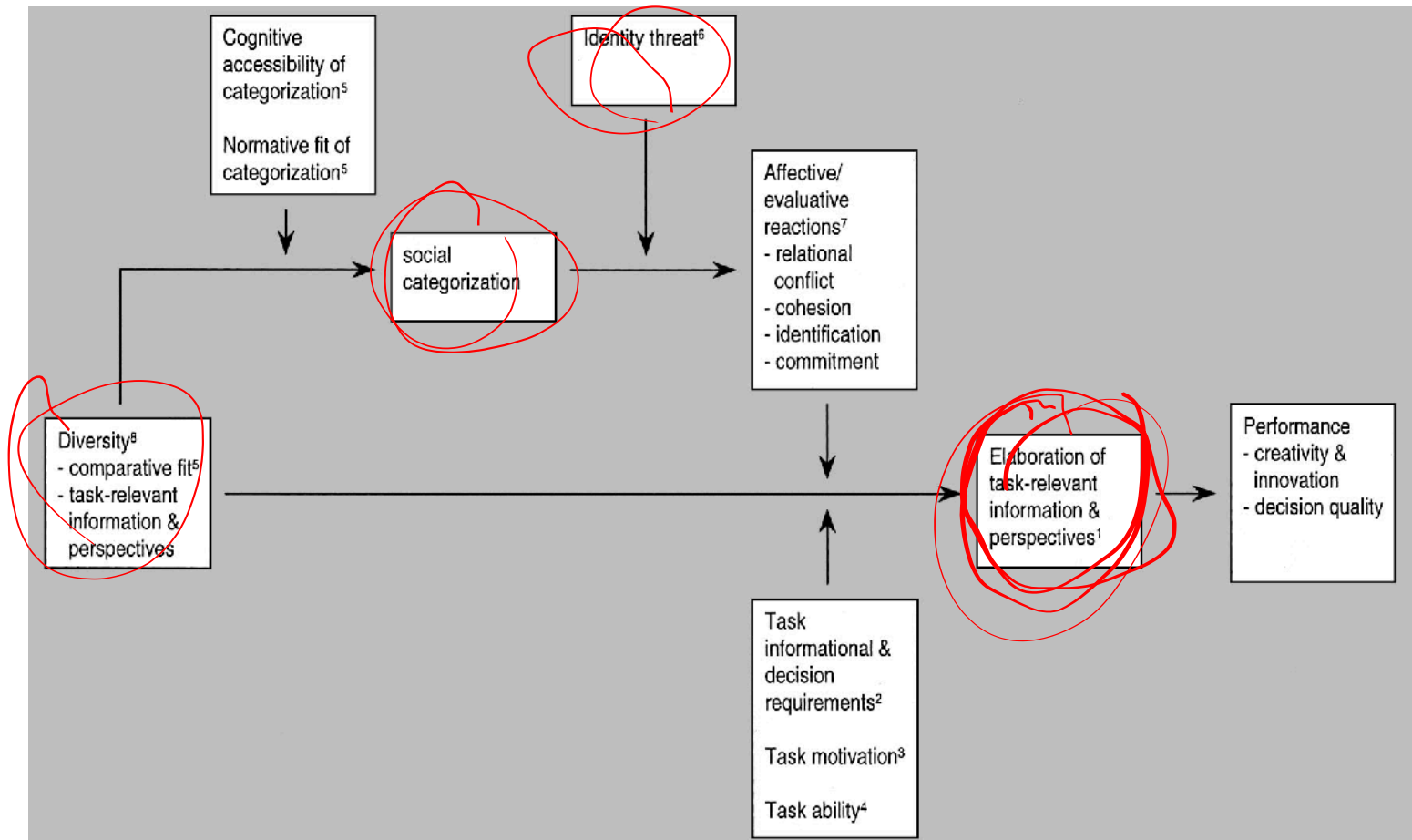
~~select~~ evaluating team numbers - data flavor | AI can break silos
END ~ END process

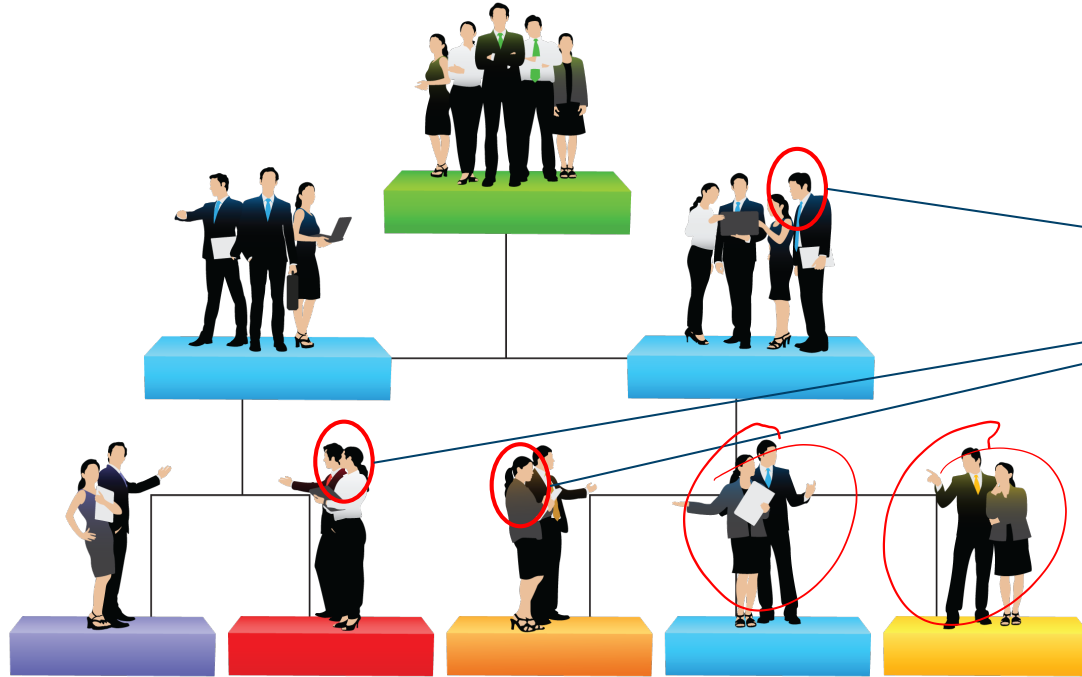
interdependencies but functions
→ see across silos

AS an explanatory view

- create random teams
- OR • Human + AI together selecting team
- ~ soft + factors free

- noisyly
attention





- Language
- ~~best~~ fit
- client
- topic

Optimal team for new project or client case

- we need take all
- parameters

Future

Bühler Bräcker

Challenges in AI use



- *not*

- *could use
but do it*

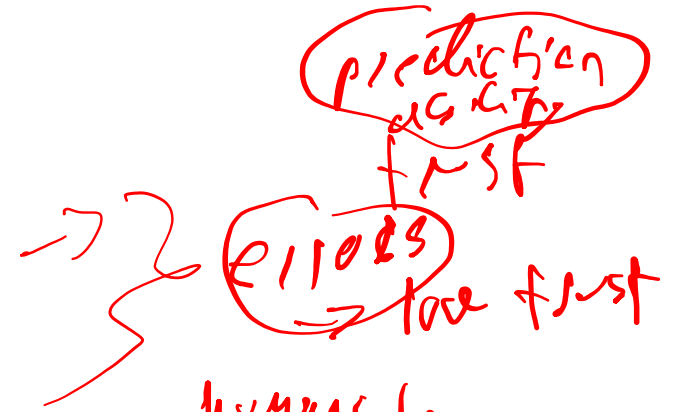
Personal experience in using AI?

- data privacy ~ fear / lack of trust
~ Siri, etc.

maps, ^{accuracy}
Risk factor

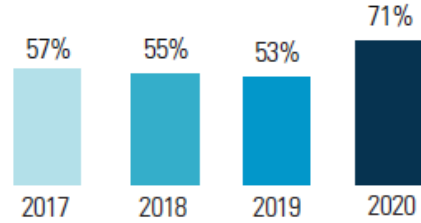
What was challenging?

- power over own selection
- partial results, errors, bias, limitations
- lack of contextual knowledge

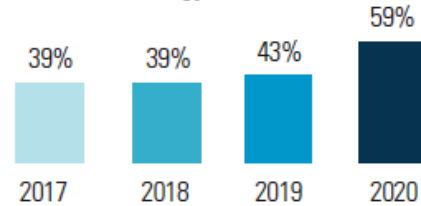


humans to
over-ride model
collection human
in loop

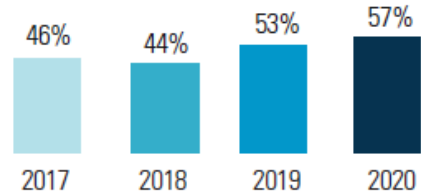
**We understand how AI will change the ways
our organization generates business value**



We have a strategy for AI



**We are piloting or have
deployed AI solutions**



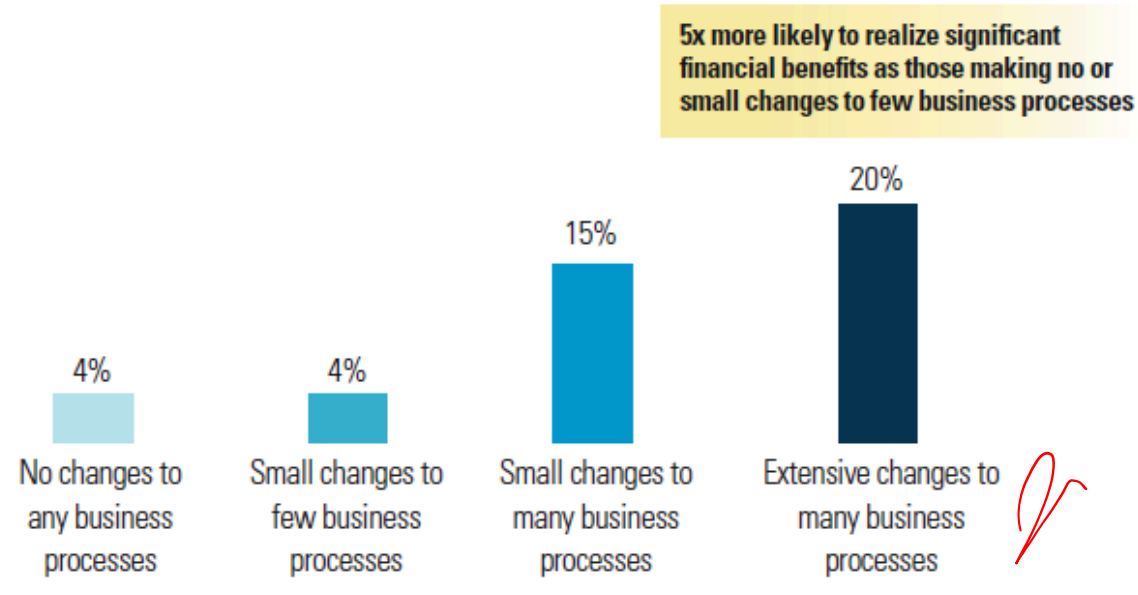
... but only

11%

of organizations report
significant financial
benefits in 2020

FIGURE 7: BUSINESS PROCESS CHANGE CONNECTS TO AI OUTCOMES

Organizations that extensively change business processes when integrating AI solutions are five times as likely to realize significant financial benefits.



Using new tools within old processes

Q “How can we override the automatic feature and do everything manually instead?”

“Let me email you the file I downloaded from Teams”

“The marketing department will discuss this in two weeks and get back to you”

G

machine

G

machine

G

machine

G

machine



Thank you for your participation!



www.intelligentplatforms.ai

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Available at Amazon and other major outlets. Shipping in Oct 2021

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