



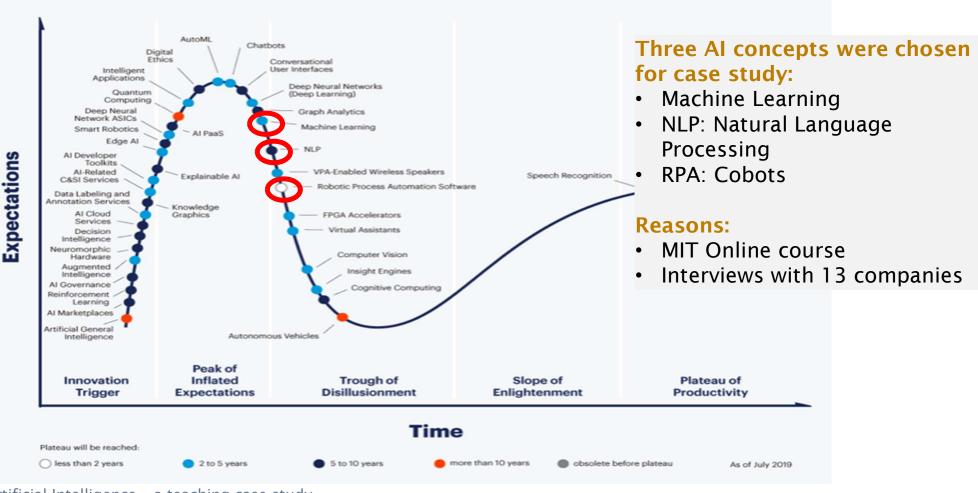
Case Artificial Intelligence in Practical Use

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Introduction

- Using Artificial Intelligence (AI) generates opportunities and risks that need to be managed.
- Instead of often referenced Silicon Valley companies, we developed a case study that enables students to learn how European companies implement AI.
- The case study was published at "The Case Centre": http://casecent.re/p/174165

Gartner Hype Cycle for Artificial Intelligence, 2019



Artificial Intelligence - a teaching case study

Definition of Al concepts used in Case Study

- Natural Language Processing deals with the interaction between computers and humans using natural language
- Machine Learning is an AI concept that enables systems to automatically learn from experience and improve without being explicitly programmed to do so.
- Robotic Process Automation / Cobotics deals with the intelligent control of collaborative robots or Cobots. A Cobot is a robot that works together with humans and is not separated from them by protective devices.

Three use cases

- Natural Language Processing in the BKW call center process
- Machine Learning in the Predictive Maintenance of the mechanical engineering company Imoberdorf AG
- The use of Cobots (Collaborative Robots) from F&P Robotics in nursing homes







15

Nursing cobots: Form?

Japan



Switzerland



Outline of Case Study

Preparation

- Students prepare in groups presentation for
 - definition of «Natural Learning Processing», «Machine Learning» and «Cobots»
 - the three use cases, mainly
 - ► In which processes of use case could artificial intelligence be used?
 - Which are the benefits and challenges of Artificial Intelligence in the use case?

Benefits of Case Study

- Students need to form an opinion about how and when to use Al
- The interface of «business» and «IT» is discussed one of the main challenges of using IT solutions in companies
- Al is discussed based on three real use cases and real business processes
 - > no Silicon valley fad





Thank you!

For questions, please contact paul.ammann@bfh.ch

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