

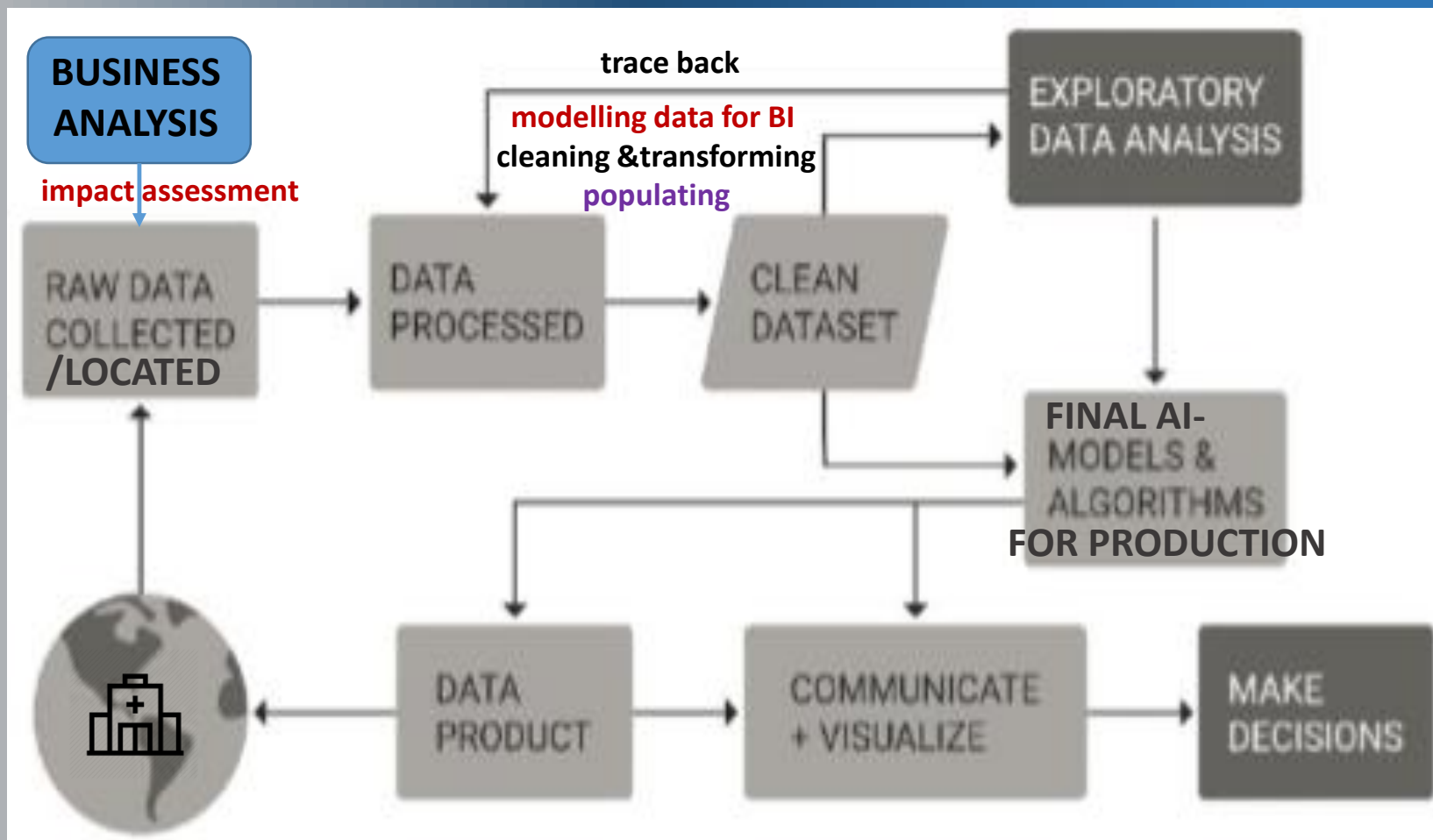
# HFBI – WS2 – HFBI PROCESS

4.8.2021



# DATA SCIENCE PROCESS

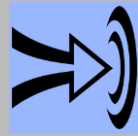
(MAIN LEARNING GOAL OF THE WS-SERIES!)



THE WHOLE PROCESS CAN BE GRADUALLY AUTOMATED

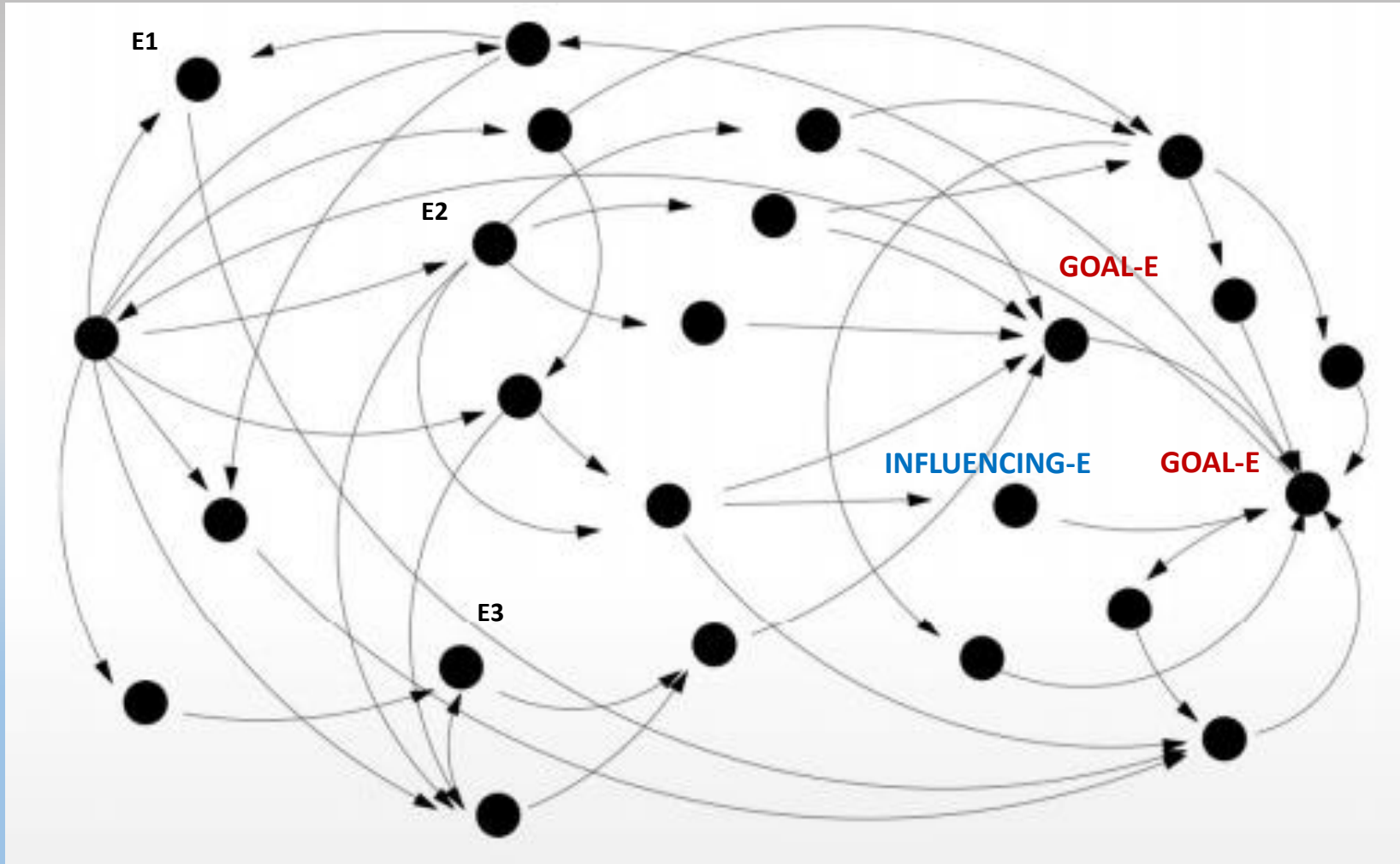
IN OUR INTORDUCTORY WORKSHOPS WE CARRY OUT THE PHASES MANUALLY

Modified from Panesar, Machine Learning and AI for Healthcare, 2019



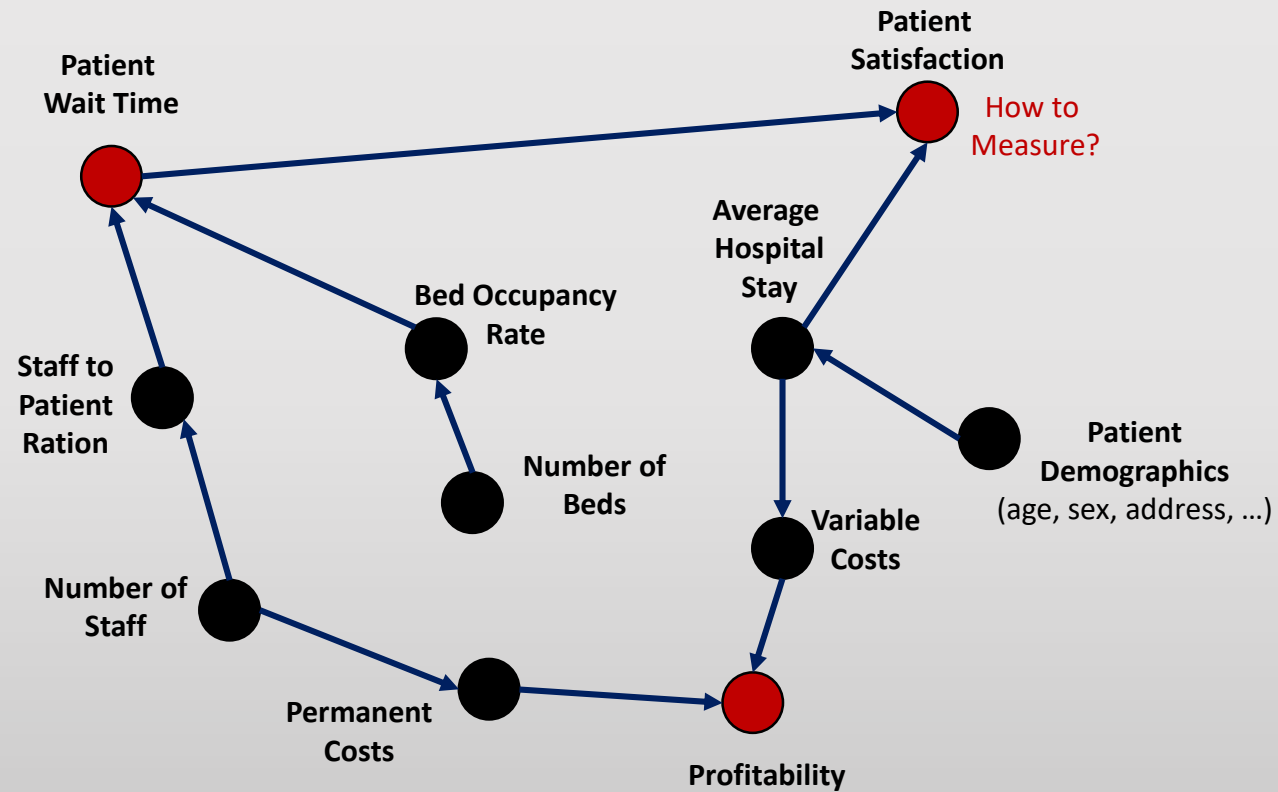
# IMPACT ASSESSMENT

DONE BY HUMAN EXPERTS  
EXPECTED DEPENDENCES BTW BIZ ENTITIES (CONCEPTS)

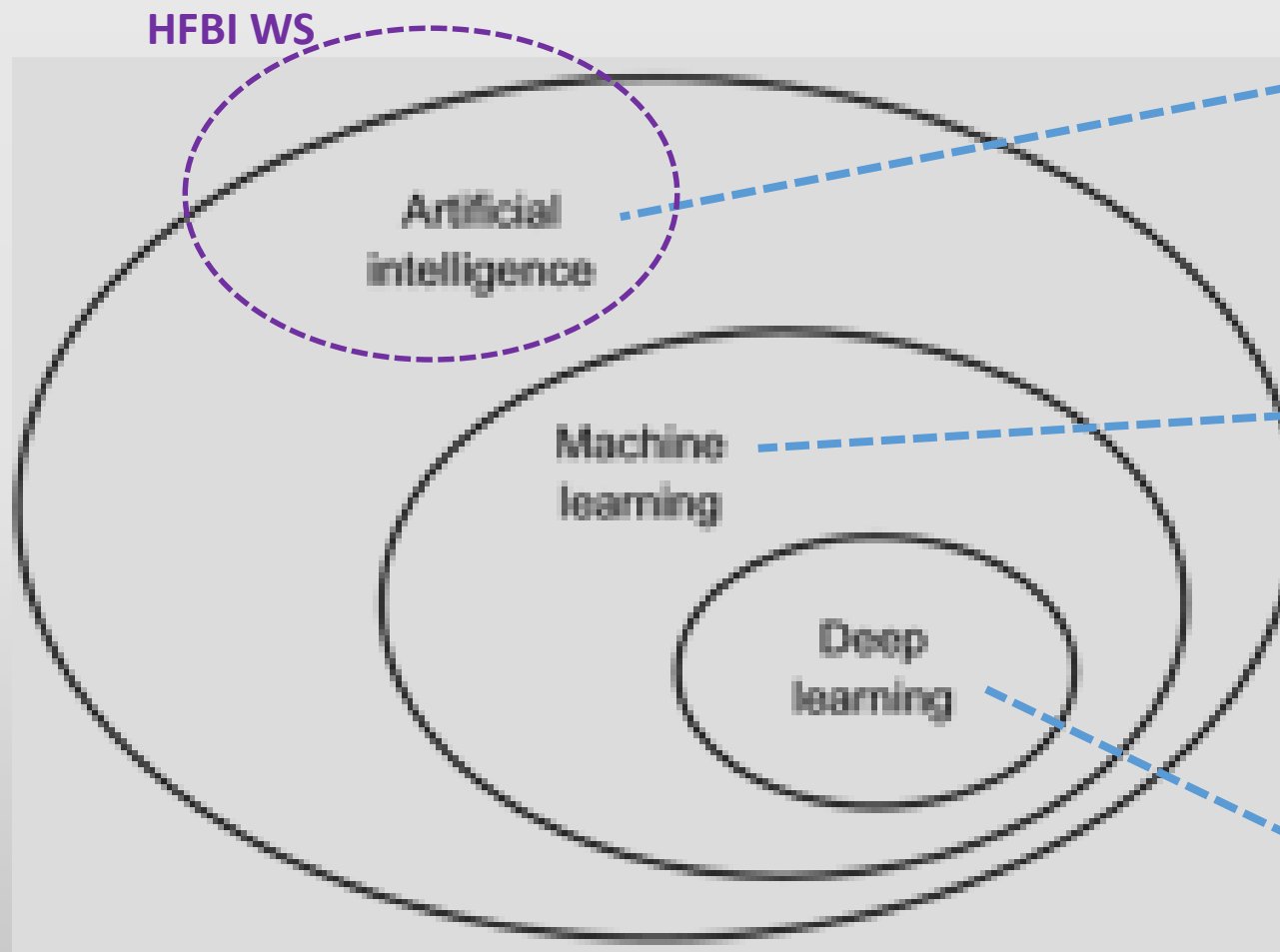


# SIMPLE (TENTATIVE) EXAMPLE

(IMPACT ASSESSEMENT - INTERNAL DATA)



# AI/BI VS MACHINE LEARNING



Effort to automate intellectual tasks normally performed by humans (e.g. health facility data analysts)

Machines learn to perform tasks (e.g. finding dependencies) for which they were not explicitly programmed. Machine learning models are all about finding appropriate representations for input data. ... Learning without explicit software development.

“Deep” stands for the idea of successive layers of representations. How many layers contribute to a model of the data is called the depth of the model. ... Used in fields like computer vision, natural language processing, speech recognition, ...