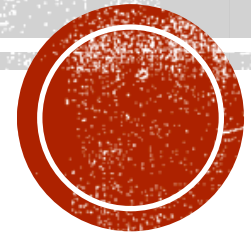
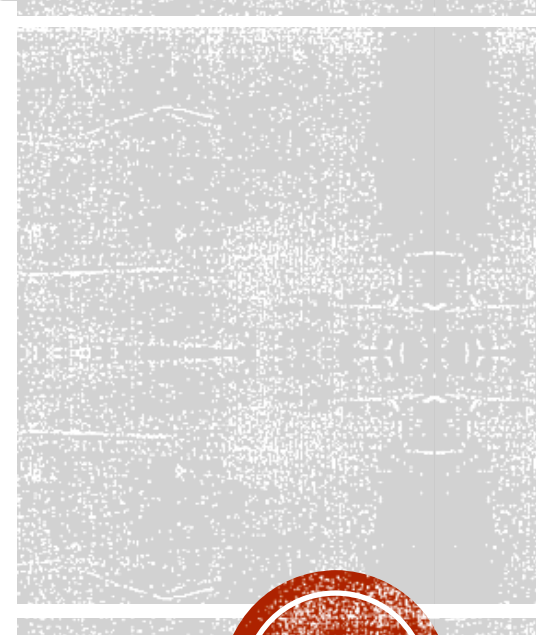
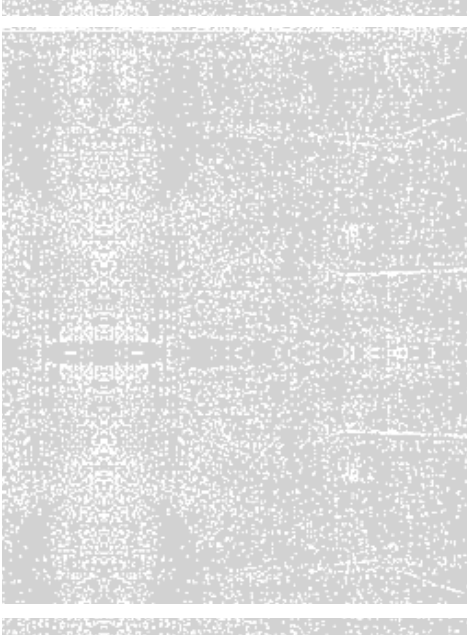


ARTIFICIAL INTELLIGENCE (AI) AND ECONOMIC GROWTH: OPPORTUNITIES AND CHALLENGES FOR AFRICA



BY:

Jean Jacques Ndayisenga
Managing Director,
Rwanda Trading Company

Feb 23, 2021

FES & EPRN Rwanda Discussion

WHAT IS ARTIFICIAL INTELLIGENCE (AI)?



- AI: computer systems that are able to learn from their surroundings and act like humans. They sense the environment, think, learn, and can take action in response to what they're sensing.
- Action taken can be in a form of information delivery (alerts to people) or in some cases doing an actual task by the machine itself.
- Key thing here is data/information because that's how the system is able to learn



HOW AI WORKS:



Collected and
Analyzed



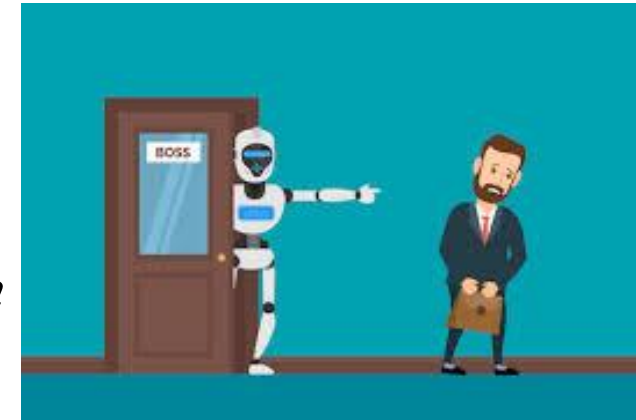
ALGORITHM

new information



Learns

Existing information

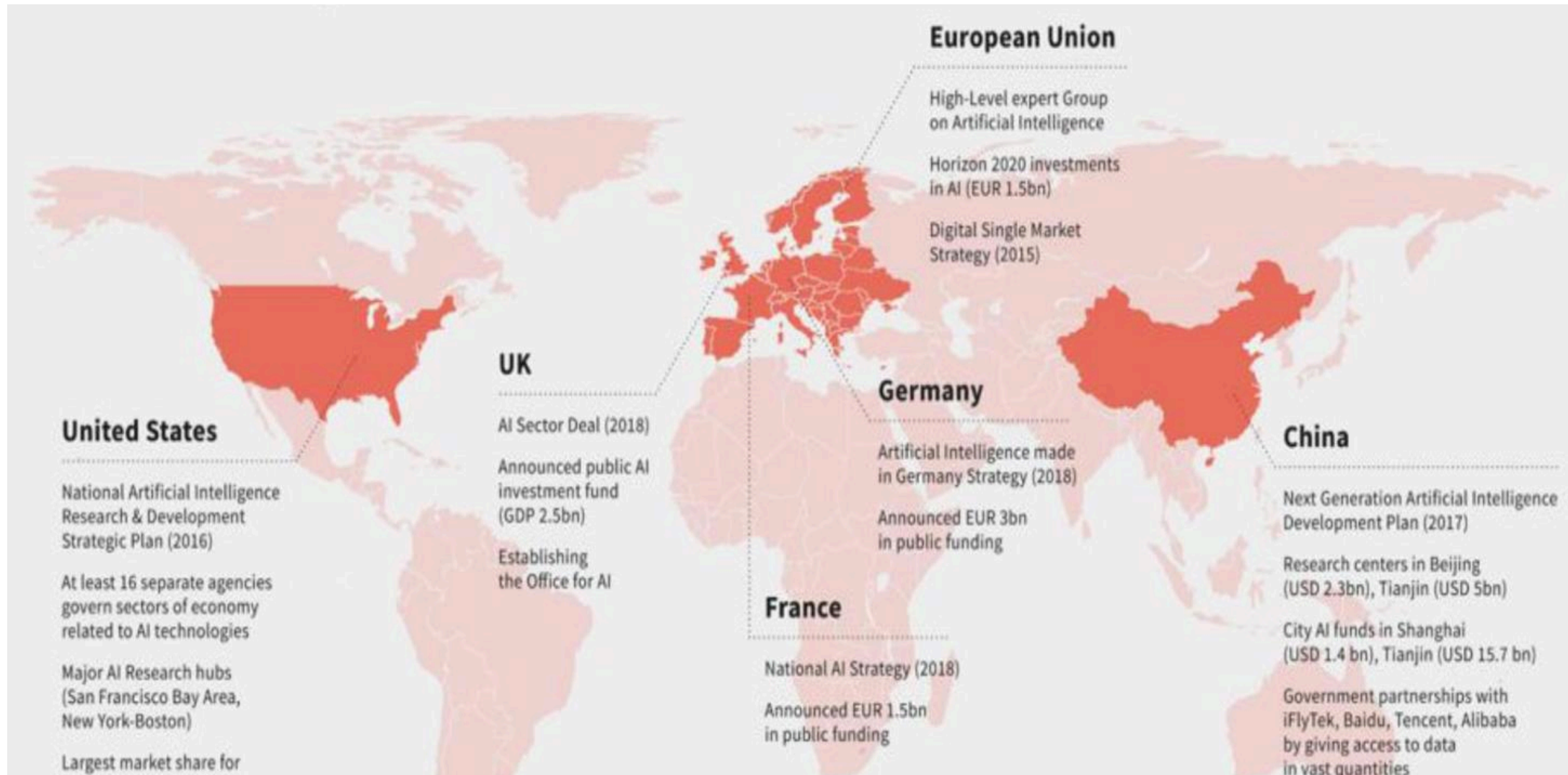


Makes decision

Examples of tools that use AI

- (1) Global Positioning System (GPS)
- (2) Social Media

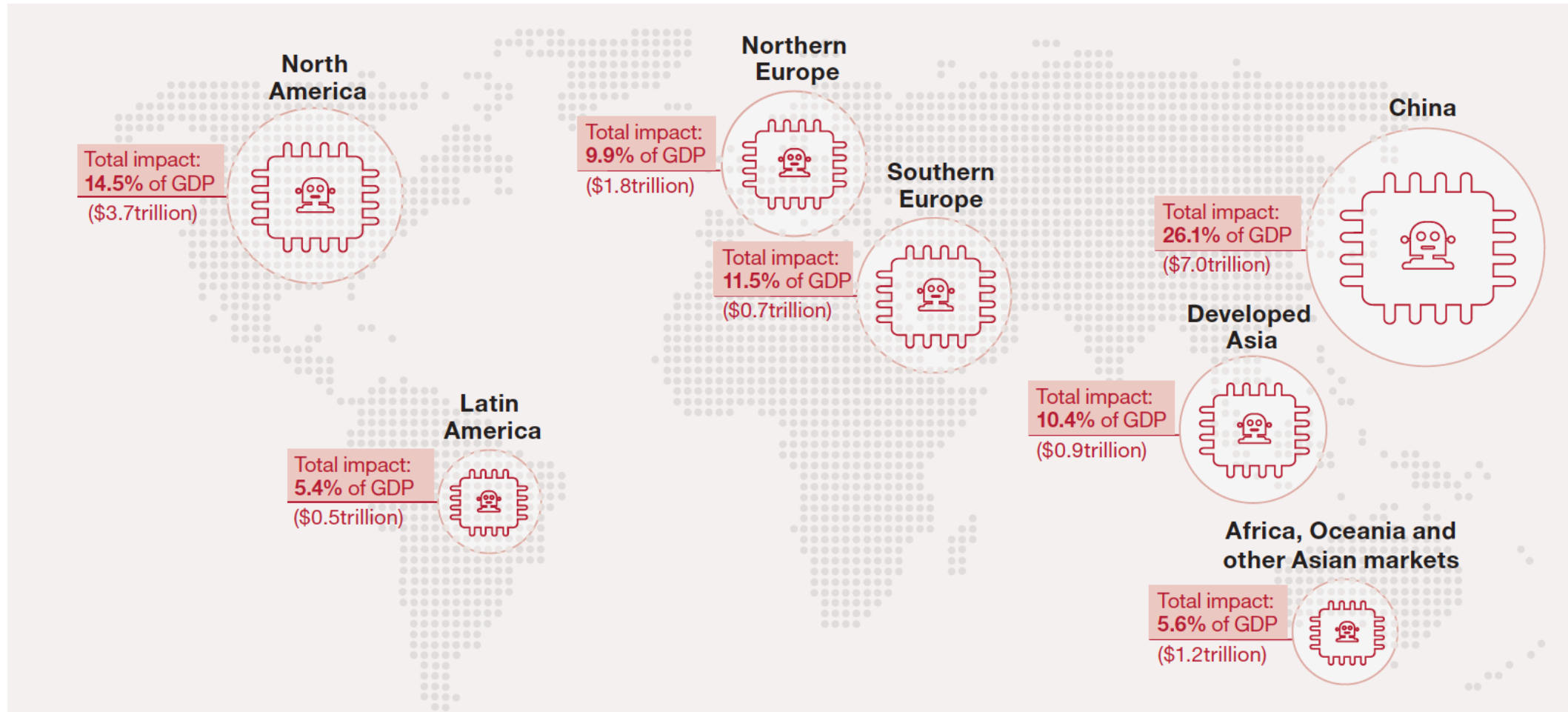
AI STRATEGY AROUND THE WORLD



► <https://www.forbes.com/sites/cognitiveworld/2019/11/27/the-artificial-intelligence-industry-and-global-challenges/?sh=2980b49d3deb>



ESTIMATED AI IMPACT IN THE WORLD



Sizing the Price: What's the real value of AI to your business and how can you capitalize, by PwC in 2018



AI IN AFRICA



Google's AI Center in Ghana

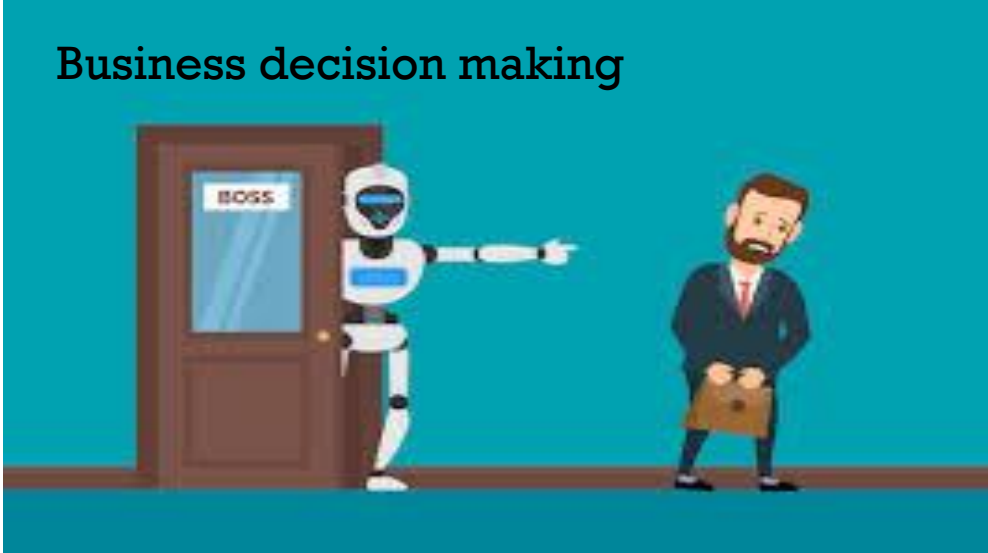


TensorFlow

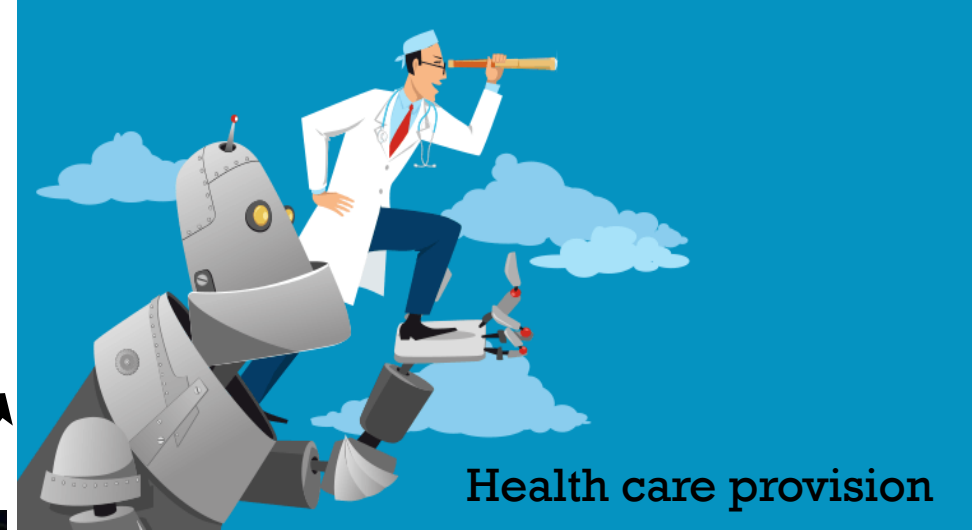


AI OPPORTUNITIES IN AFRICA

Business decision making



Health care provision



Climate change
adaptability for
Agriculture



Access to finance



CHALLENGES



Smart phones users

Low Educated population



Infrastructure (electricity & network)



WAY FORWARD

- Develop a strategy (national and continental)
- Improved education system and R&D
- Manufacturing
- Rwanda's position



THANK YOU!

Q & A ?

