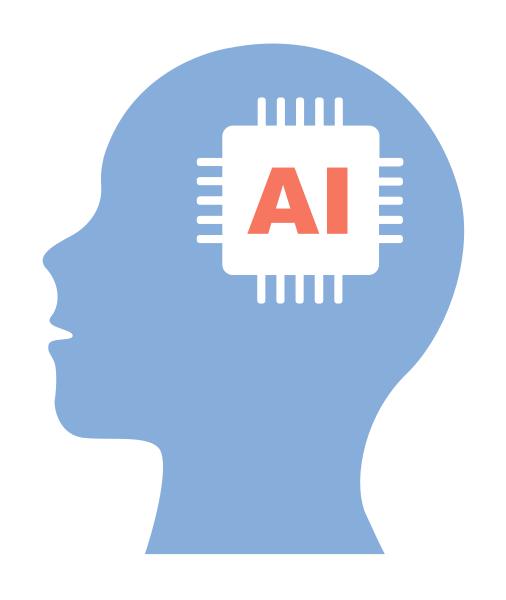


# Artificial Intelligence and the Future of Education

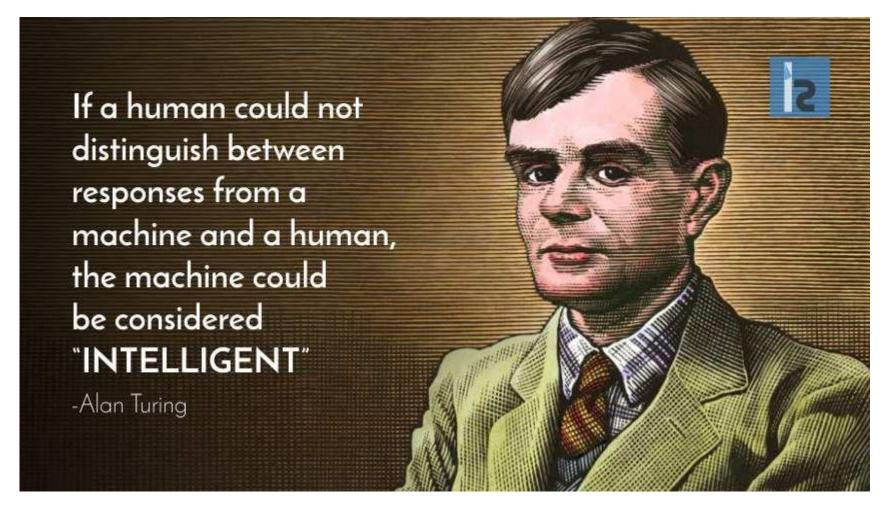
Okan Bulut University of Alberta

## ARTIFICIAL INTELLIGENCE

"Having a computer do something that we assume(d) only entities having human-like intelligence could do."







Source: <a href="https://www.insightssuccess.com/what-is-artificial-intelligence/">https://www.insightssuccess.com/what-is-artificial-intelligence/</a>

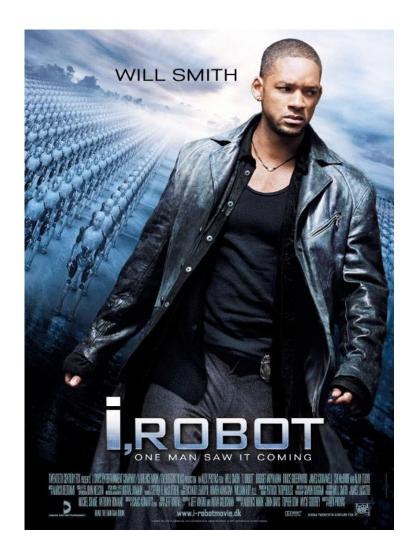
#### Busy Programmer Designs Chatbot To Talk To His Girlfriend While At Work

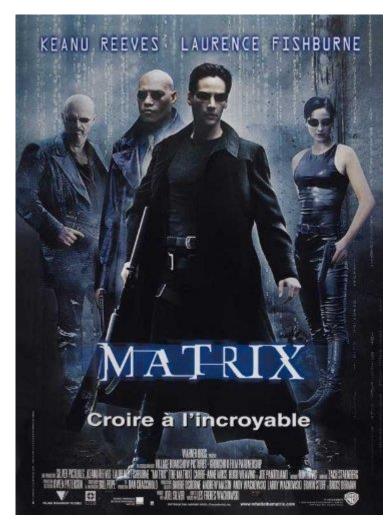




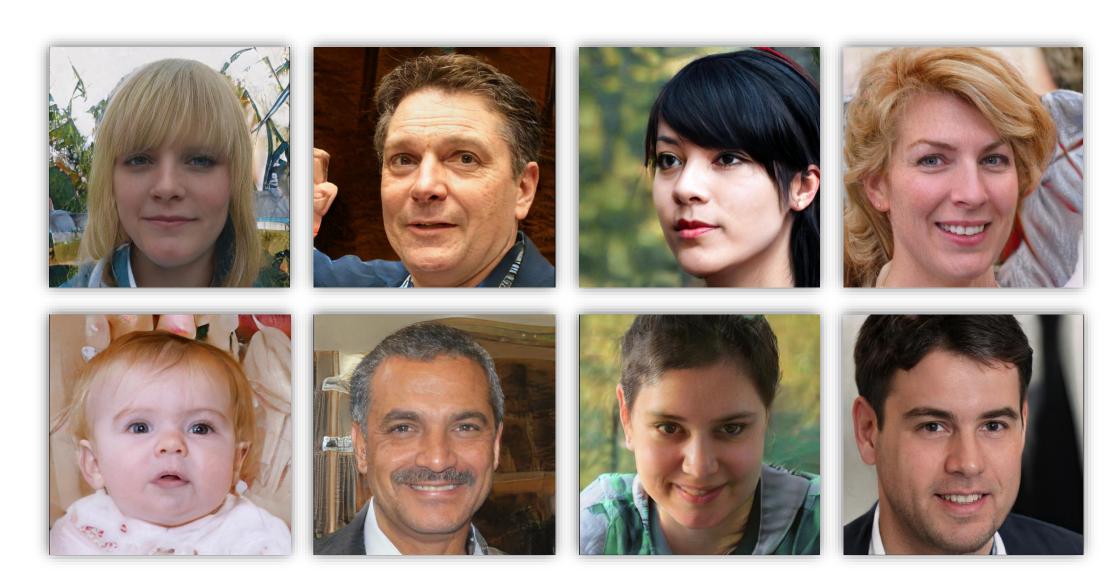
Source: <a href="https://in.mashable.com/tech/4051/busy-programmer-designs-chatbot-to-talk-to-his-girlfriend-while-at-work">https://in.mashable.com/tech/4051/busy-programmer-designs-chatbot-to-talk-to-his-girlfriend-while-at-work</a>



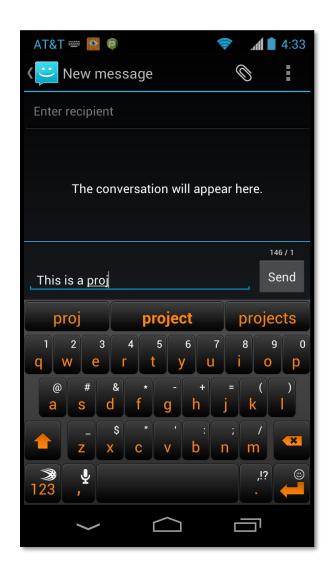




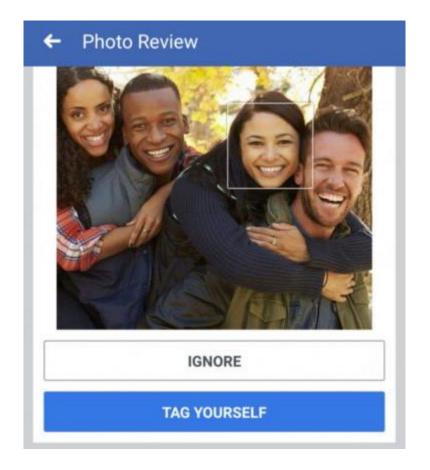




https://thispersondoesnotexist.com/



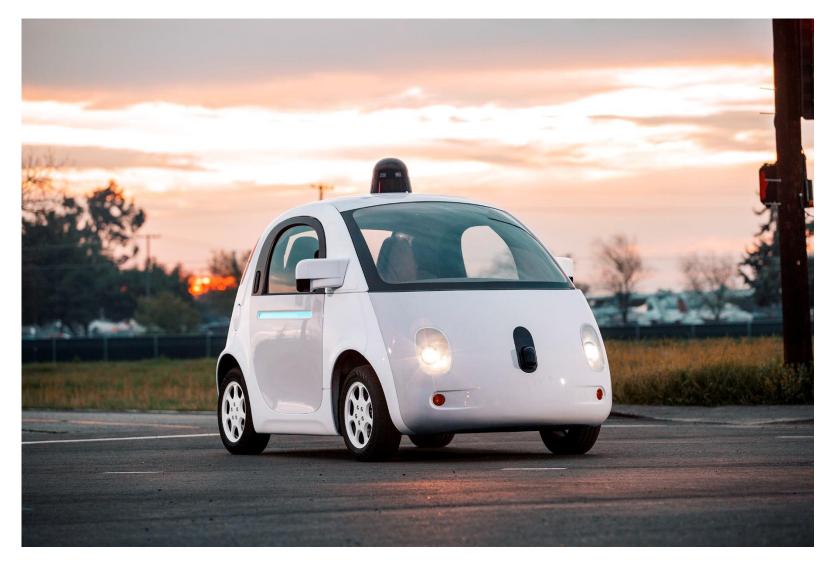








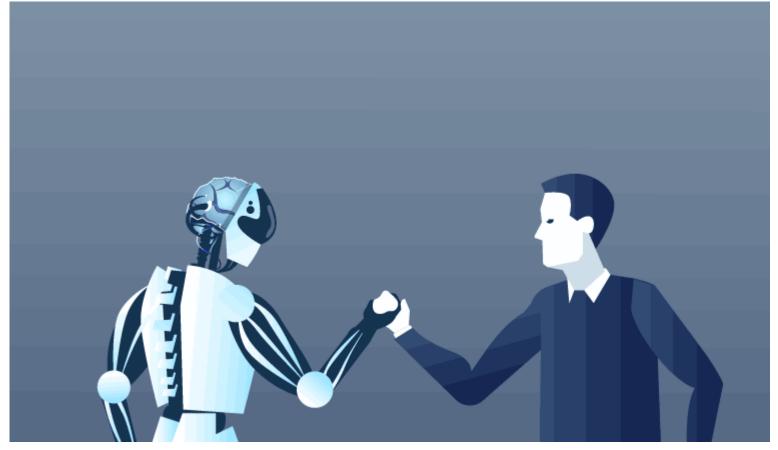




Source: <a href="https://waymo.com/">https://waymo.com/</a>

## **ENHANCED AUTOMATION**

#### REDUCED ERROR



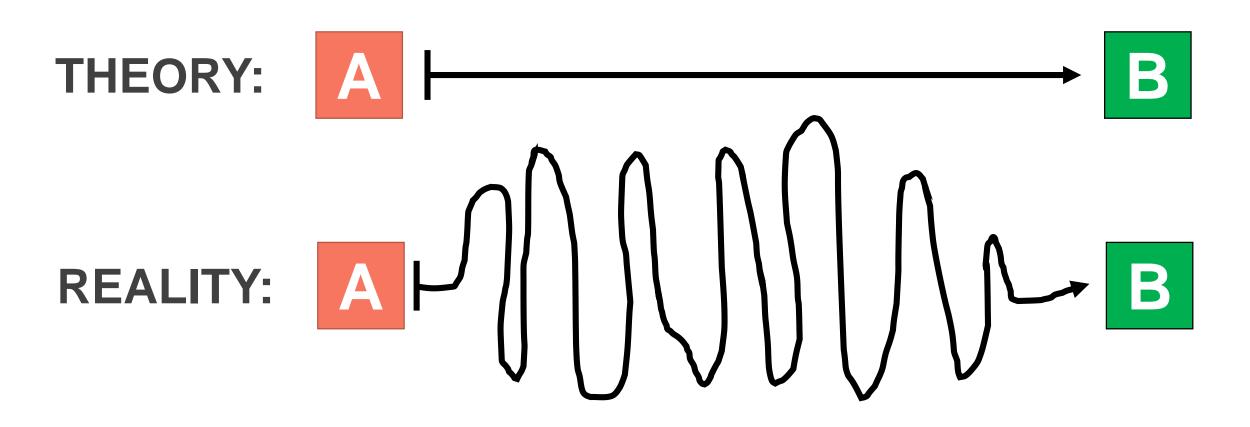
BETTER FORECASTING

Source: https://interestingengineering.com/7-ways-ai-will-help-humanity-not-harm-it

QUICK RESPONSE TO DISASTERS

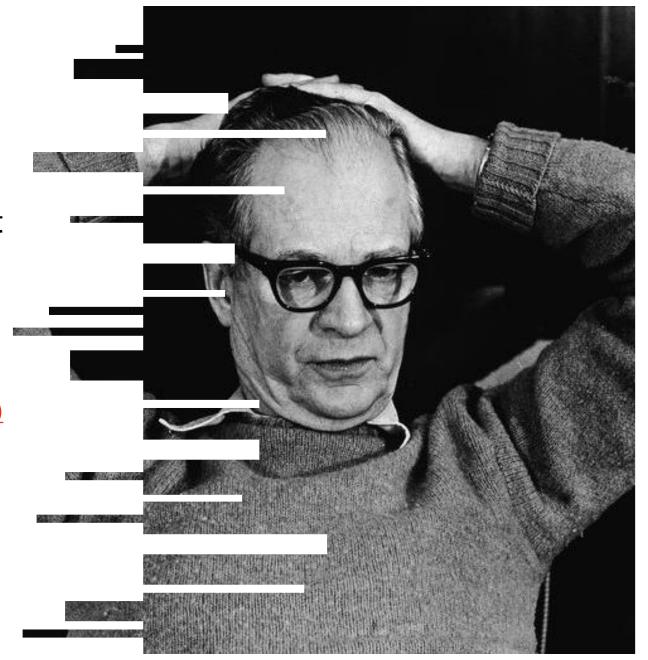


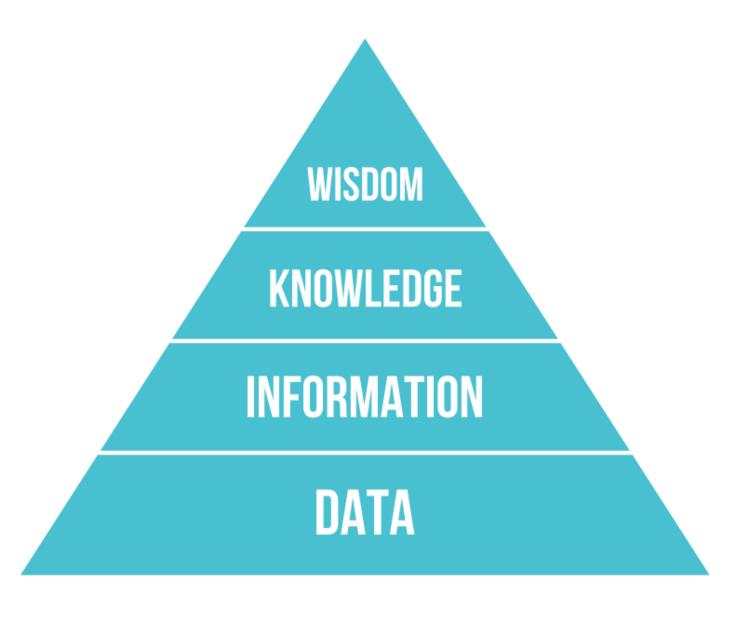
## In Education...



Theories are fun... But it is possible that the most rapid progress toward an understanding of learning may be made by research that is *not* designed to test theories.

B. F. Skinner (1954)



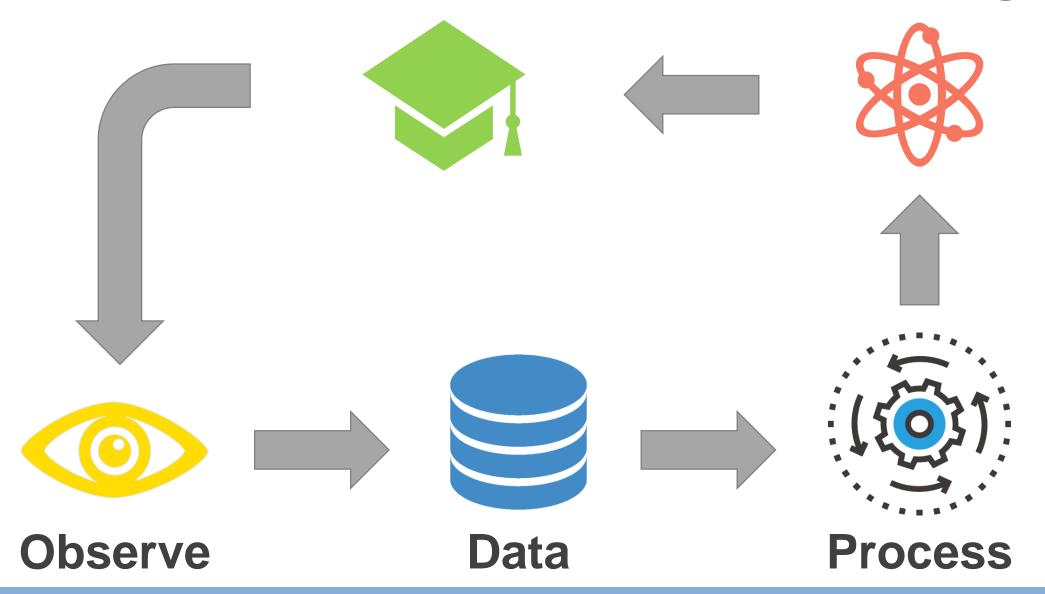


Source: Rowley, J. E. (2007). The Wisdom hierarchy: Representations of the DIKW hierarchy. Journal of Information Science, 33,(2), 163-80.



#### Education

### Knowledge









#### A Chinese classroom CREDIT: CHINAFOTOCLASSROOM/GETTY

- 2 Grow up and stop calling me the cword live on air, Jeremy Hunt tells broadcasters
- The Jo Brand scandal has revealed the Left's hypocrisy, but the answer isn't yet more censorship
- 4 Veteran Mastermind contestant will be seen in the final on the day of his funeral
- 5 Jo Brand investigated by Met Police over BBC 'battery acid' joke

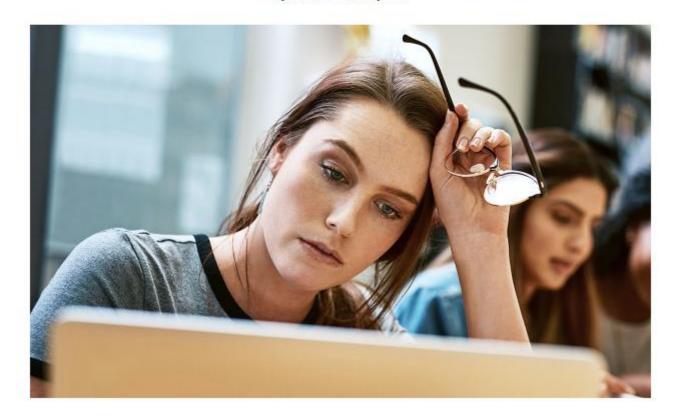
#### FOLLOW THE TELEGRAPH

- f Follow on Facebook y Follow on Twitter
- Follow on Instagram in Follow on LinkedIn

## Early Warning System Predicts Risk of Online Students Dropping Out

With the new system, every student is scored based on how likely they are to finish their courses

By Michelle Hampson



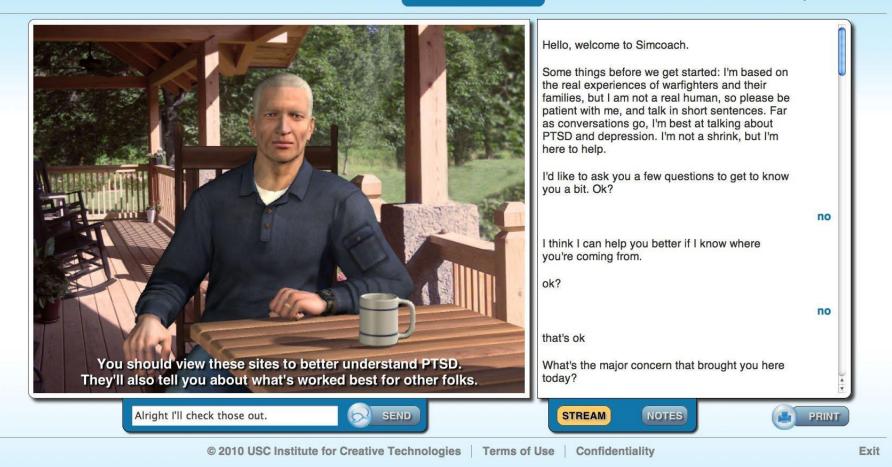


Need to talk to someone NOW? Call this Helpline: 866-966-1020

#### **Welcome Guests!**

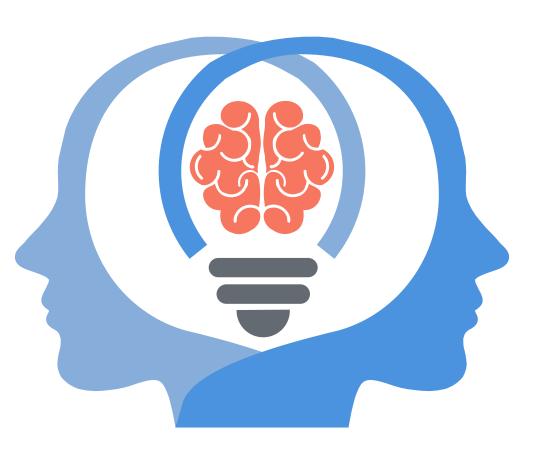
Username: Password:

Registration is OPTIONAL
Learn more about profiles HERE



## Other Al Applications















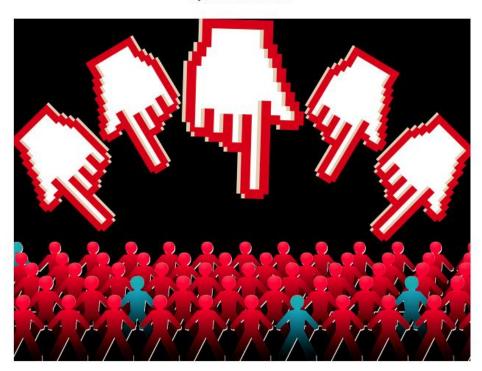
Information from high-quality and accurate data



#### Michigan's MiDAS Unemployment System: Algorithm Alchemy Created Lead, Not Gold

A case study into how to automate false accusations of fraud for more than 34,000 unemployed people

By Robert N. Charette



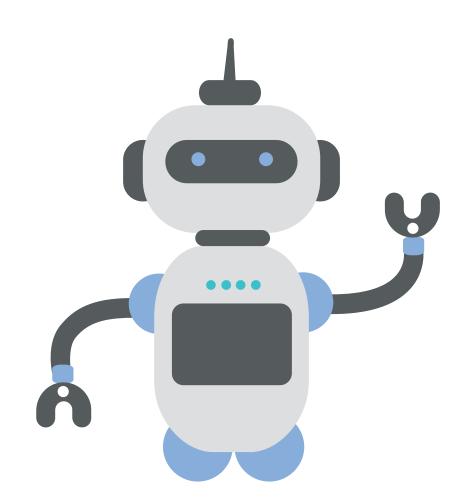
Source: <a href="https://spectrum.ieee.org/riskfactor/computing/software/michigans-midas-unemployment-system-algorithm-alchemy-that-created-lead-not-gold">https://spectrum.ieee.org/riskfactor/computing/software/michigans-midas-unemployment-system-algorithm-alchemy-that-created-lead-not-gold</a>





"The true sign of **intelligence** is not knowledge, but **imagination**."

-- Albert Einstein



## Thank You

bulut@ualberta.ca

