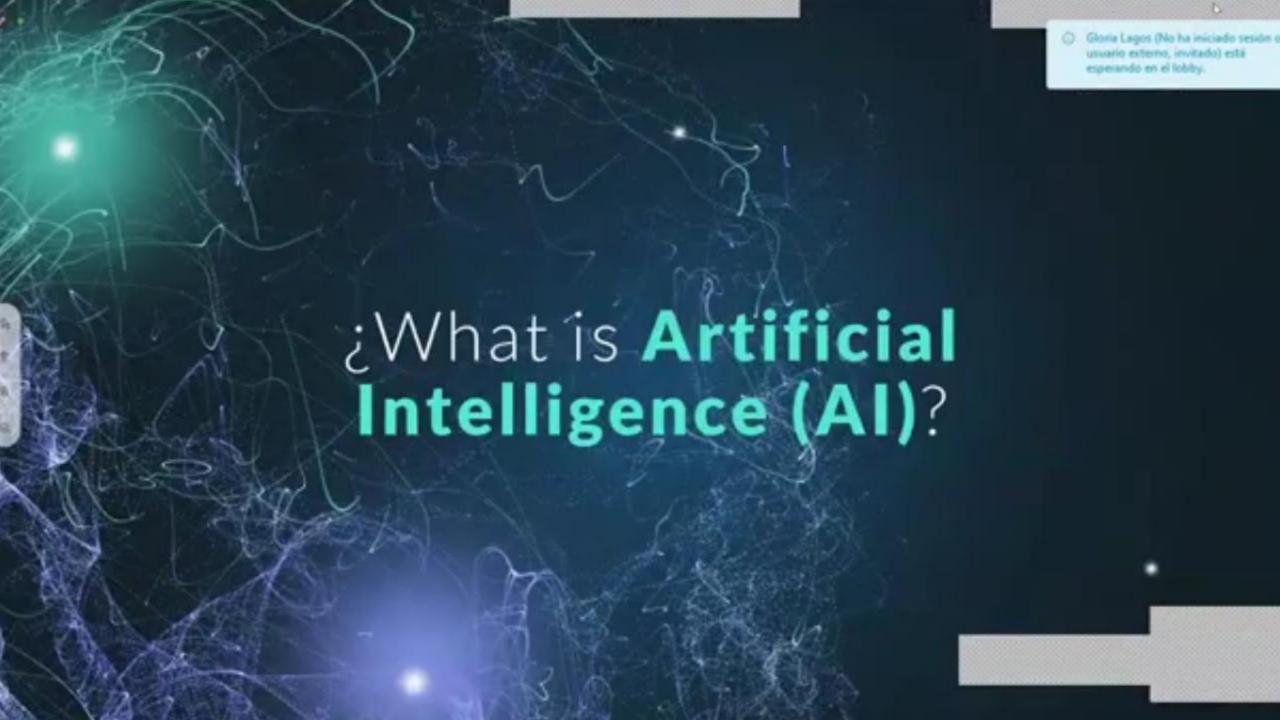
The Role of Sensors, Big Data, and Al in Improving Health

MIGUEL PAREDES, PHD

Executive Vicepresident for Artificial Intelligence & Data, and Chief Al & Data Officer





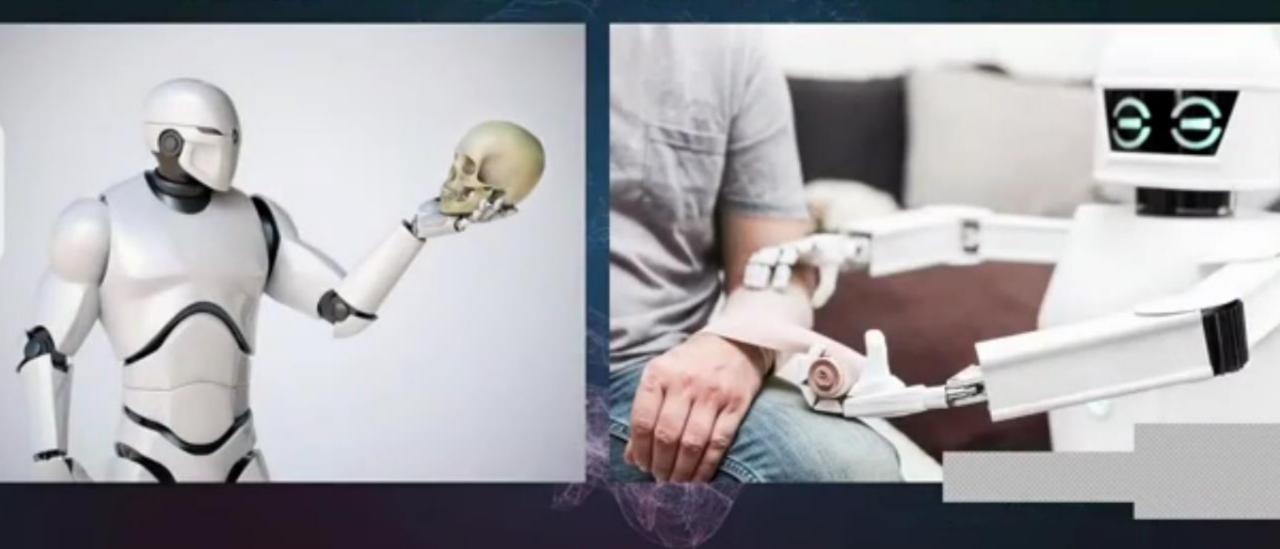








Two Extremes: Al will exterminate us or saves us



Two Extremes: Al will exterminate us or saves us

"With AI we are summoning the Devil"

- Elon Musk





"Al would be the ultimate version of Google. The ultimate search engine that would understand everything on the Web. It would understand exactly what you wanted, and it would give you the right thing."

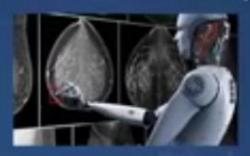
- Larry Page

General AI (or Hard AI)



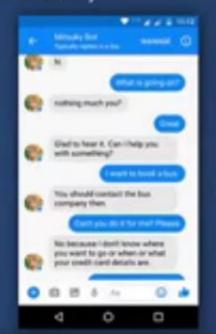


Narrow Al (or Soft Al)











Narrow AI (or Soft AI)

Advanced Analytics / Data Science

Optimization (Operations Research)

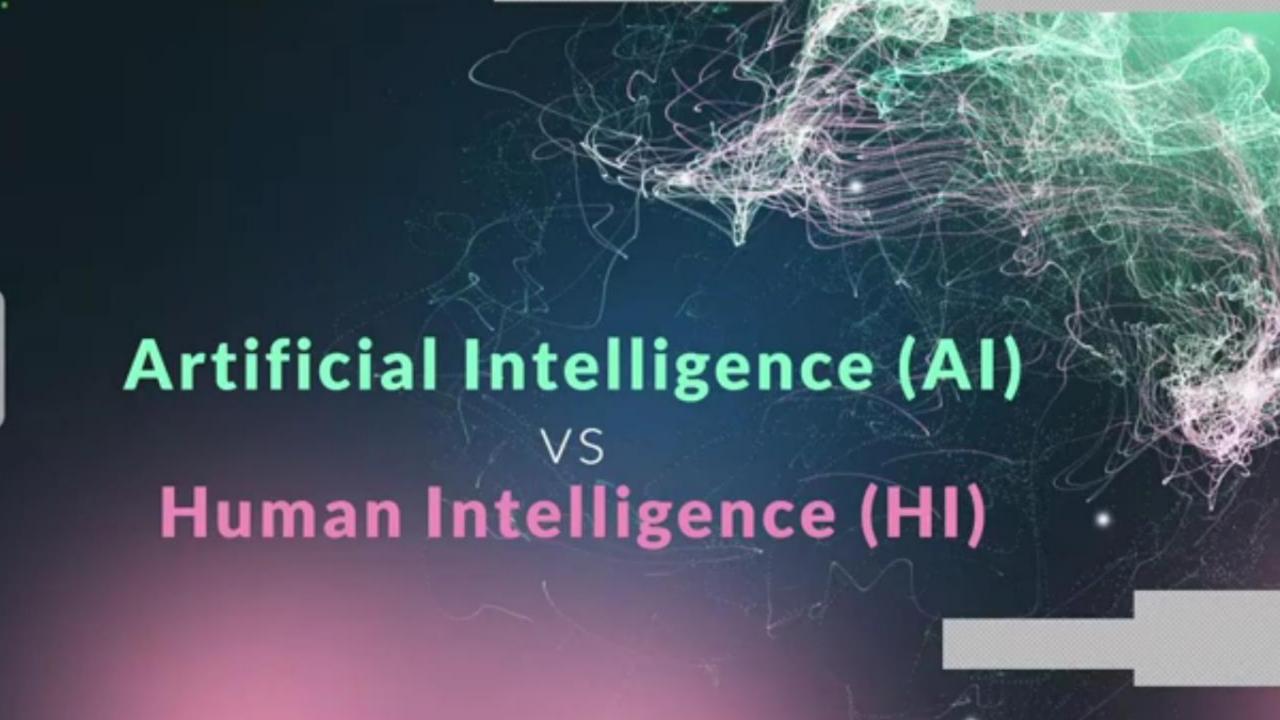
Statistics (Inferencia)

Simulation

Machine Learning

Deep Learning (what is today usually refered to when one hears AI) Natural Language Processing

Robotics



HI vs AI

Human Intelligence

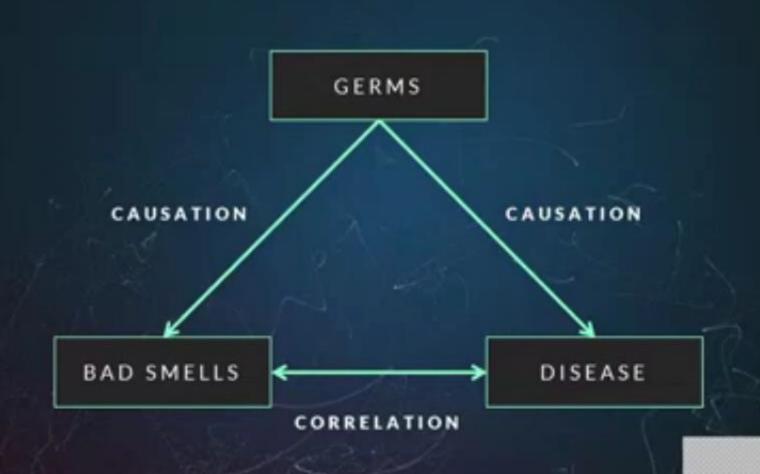
Why will something happen?

Artificial Intelligence

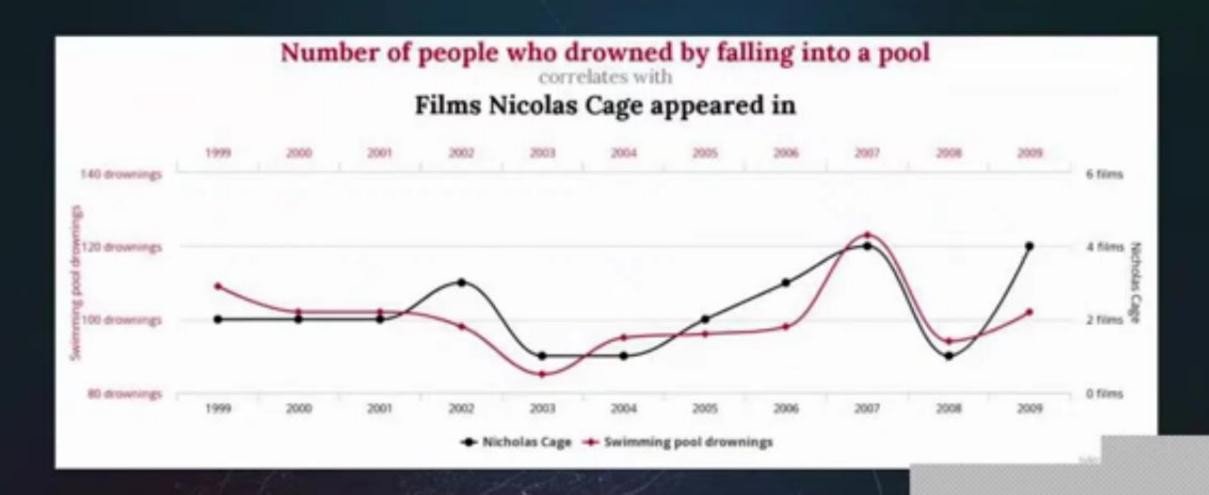
What will happen?

PREDICCIÓN

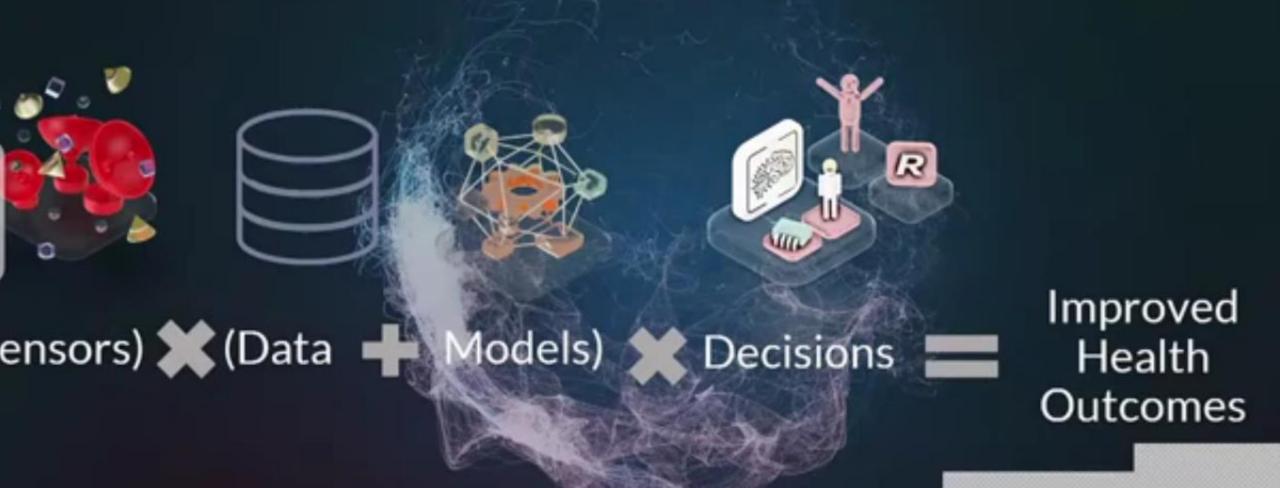
Correlation is not causation



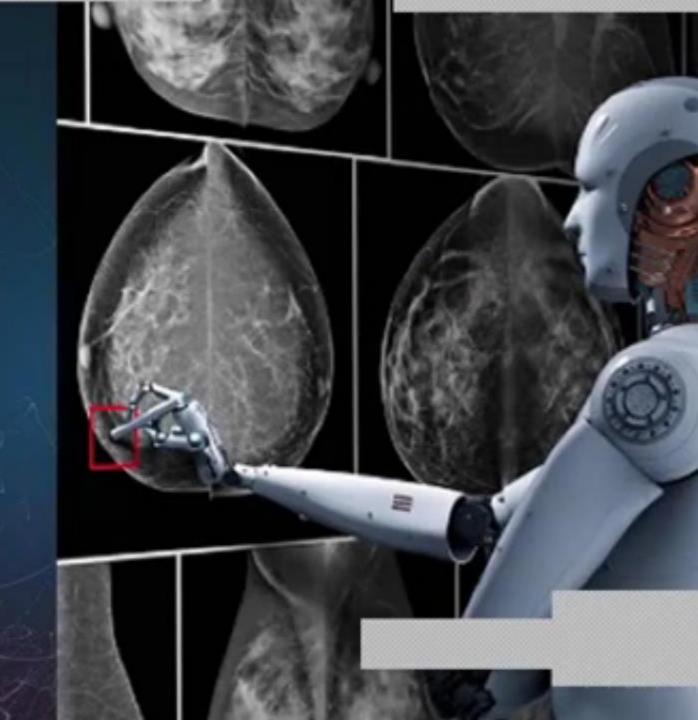
Correlation is not causation



The importance of Sensors, Big Data, and Al in improving Health Decisions



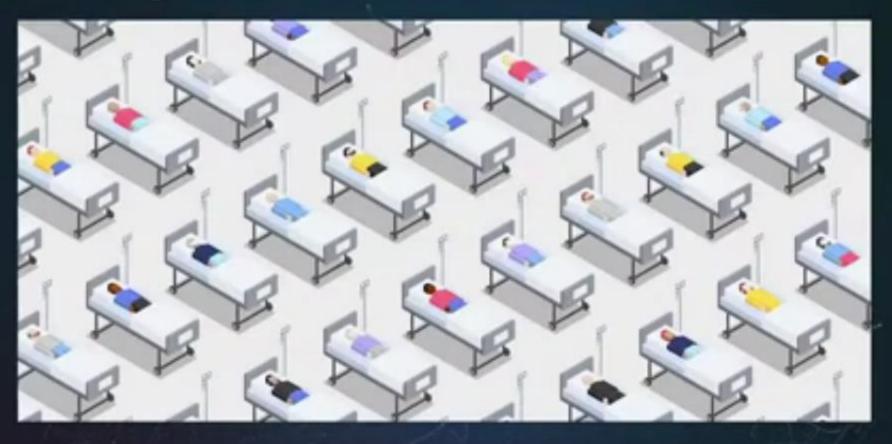
Predicting High-Risk Lesions (HRL) from Mammograms



Using AI,
Sensors, and Big
Data to address
Covid



Using Al to improve Health



Ambient Intelligence

