



Will a Google of AIs Transform the Future of Communications?

Todd A. Carpenter, Executive Director
NISO - National Information Standards Organization
Charleston @ Frankfurt Panel
October 16, 2020

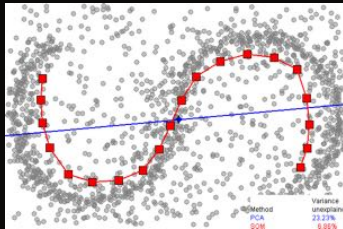
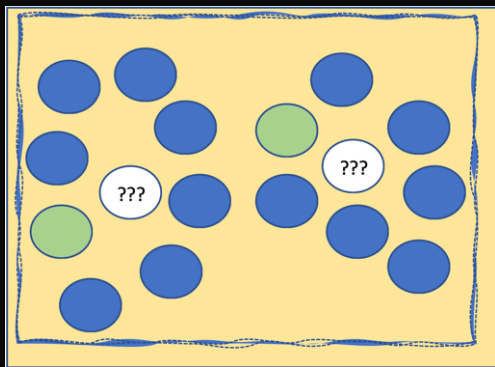
Artificial Intelligence in 8 Minutes

Don't Worry! Things I Won't Be Talking About:

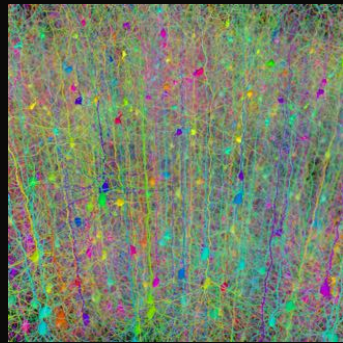


Generative Adversarial Networks

Supervised Learning Models



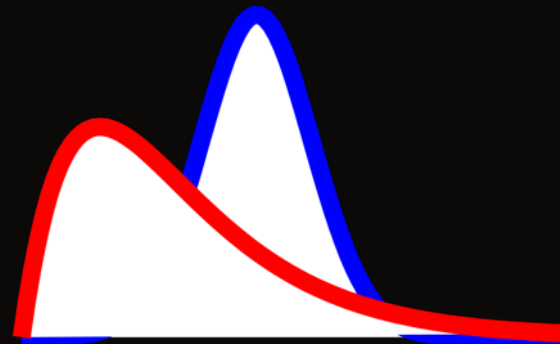
Dimensionality Regression



Neural Network Nodes



Random Walk Process

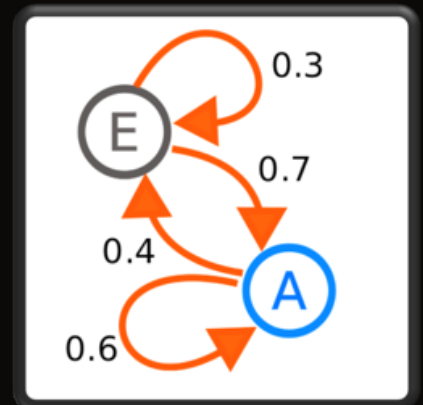


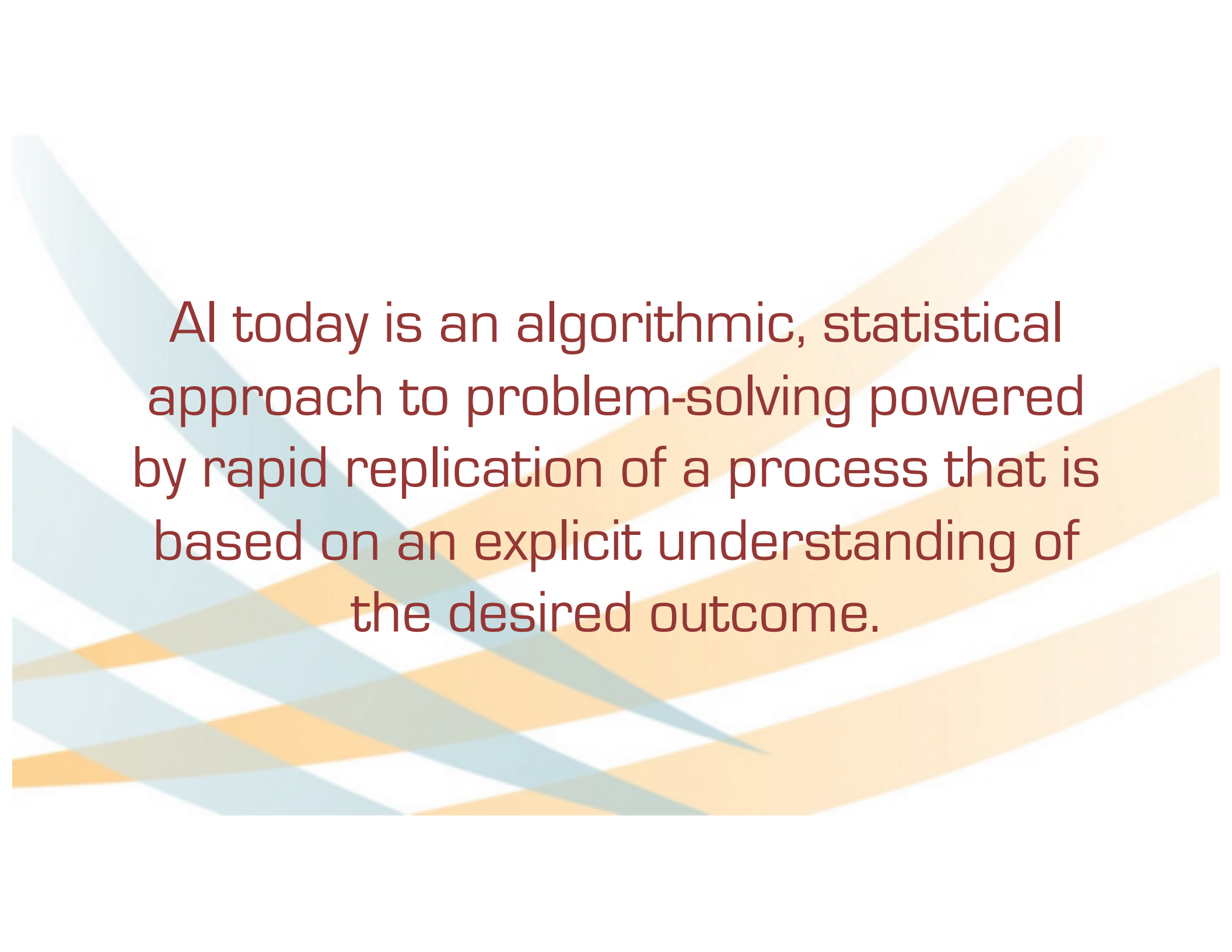
Bayesian Probabilities

Natural Language Processing

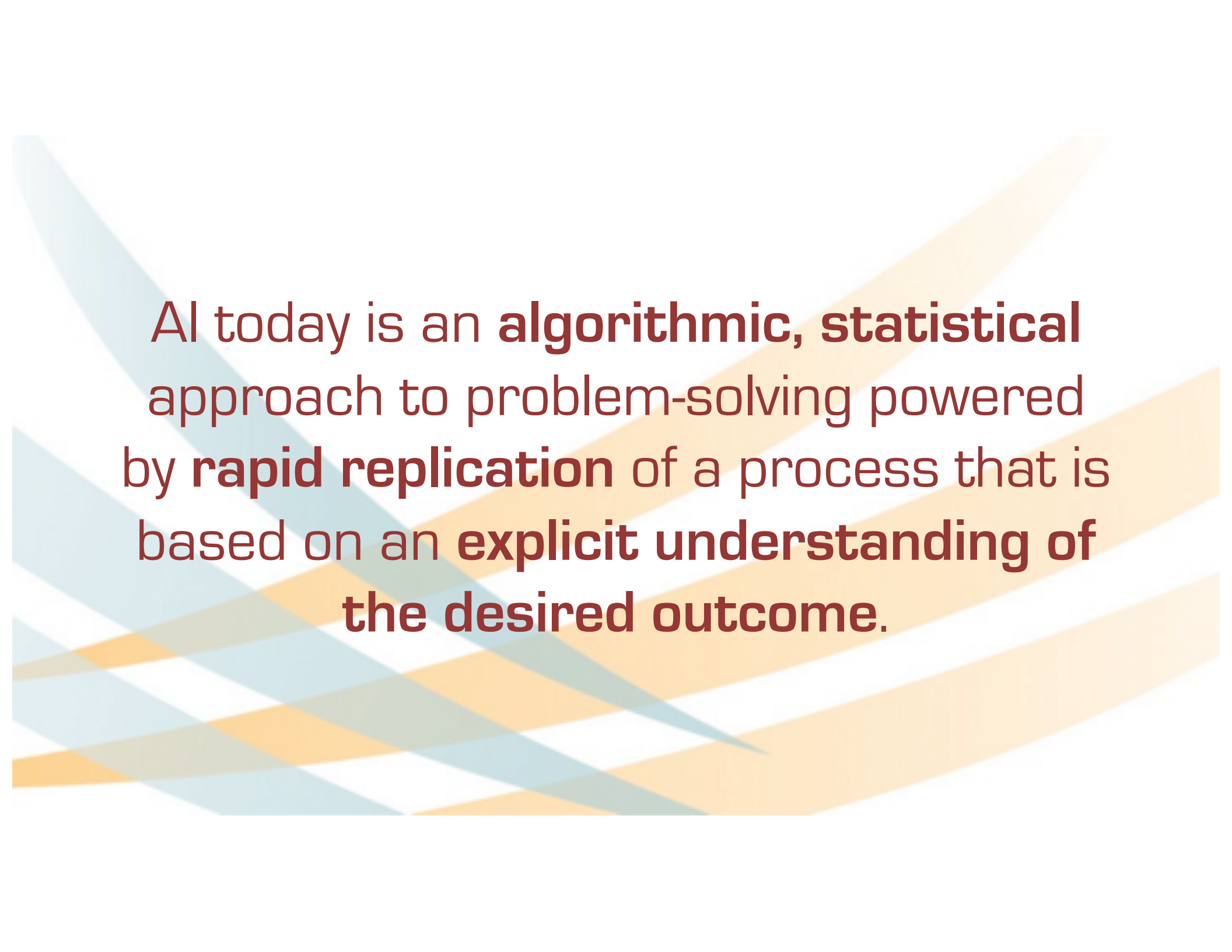


Markov Chains





AI today is an algorithmic, statistical approach to problem-solving powered by rapid replication of a process that is based on an explicit understanding of the desired outcome.

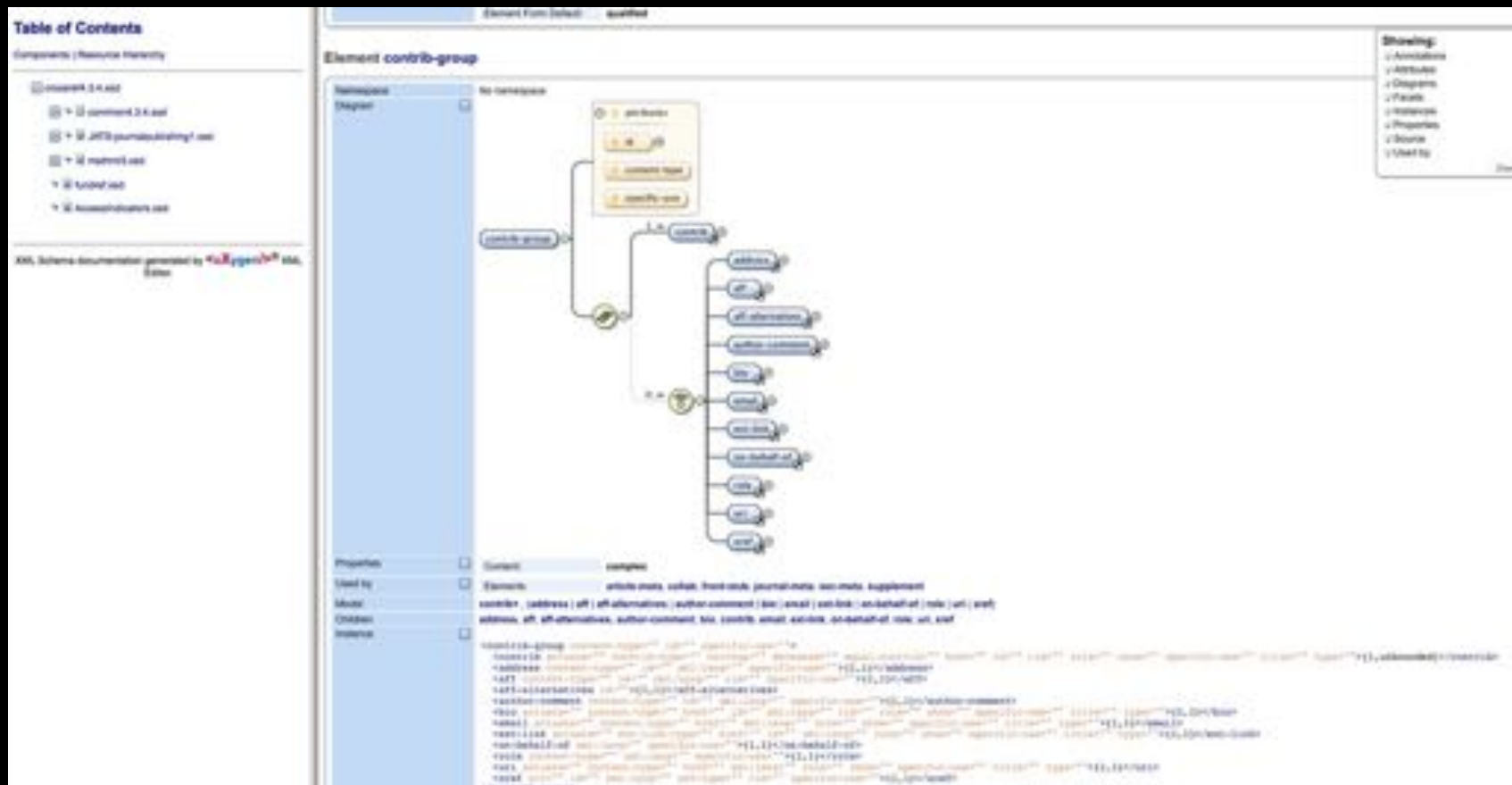


AI today is an **algorithmic, statistical** approach to problem-solving powered by **rapid replication** of a process that is based on an **explicit understanding of the desired outcome.**

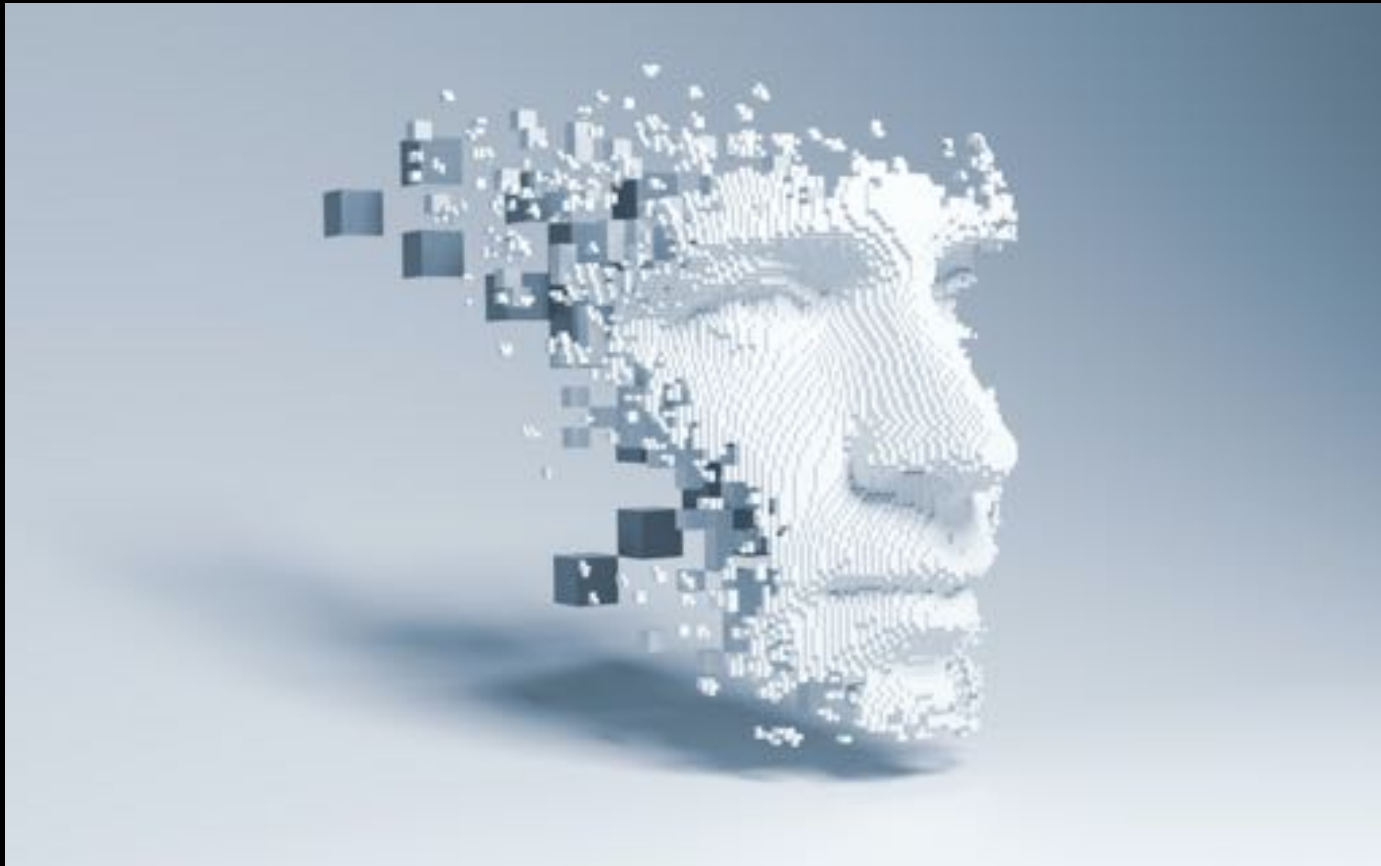


MACHINE LEARNING

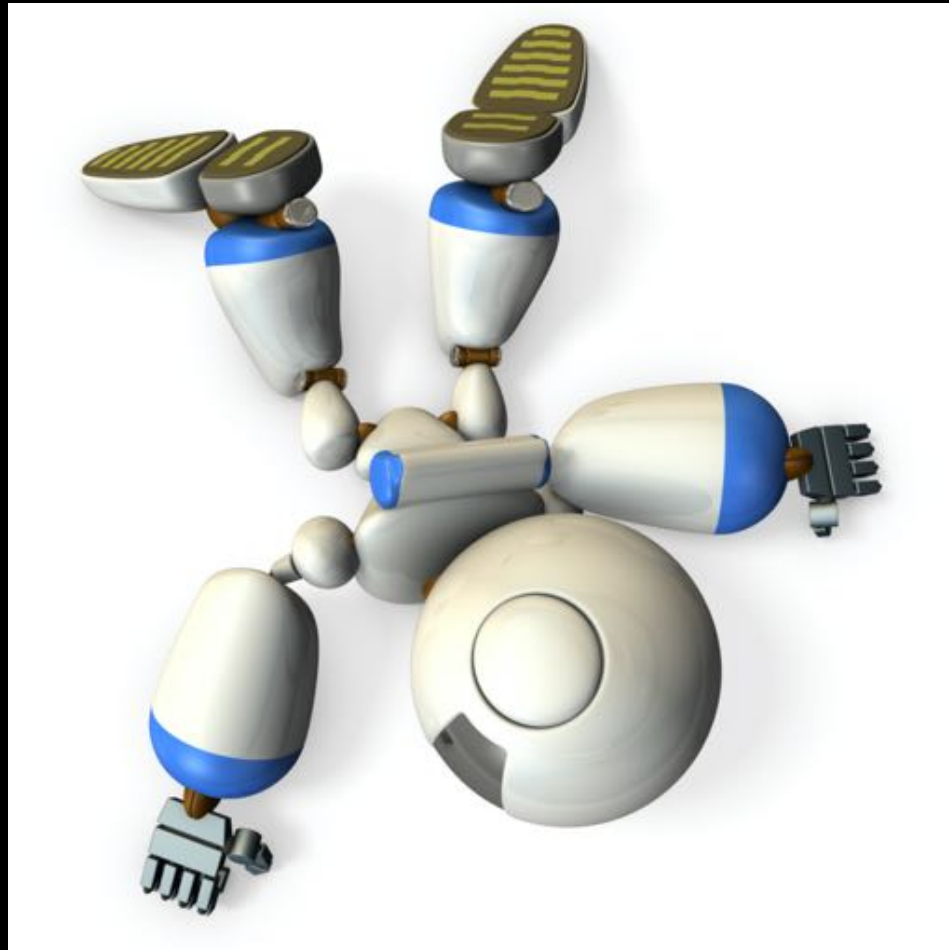
Machines don't read like people do

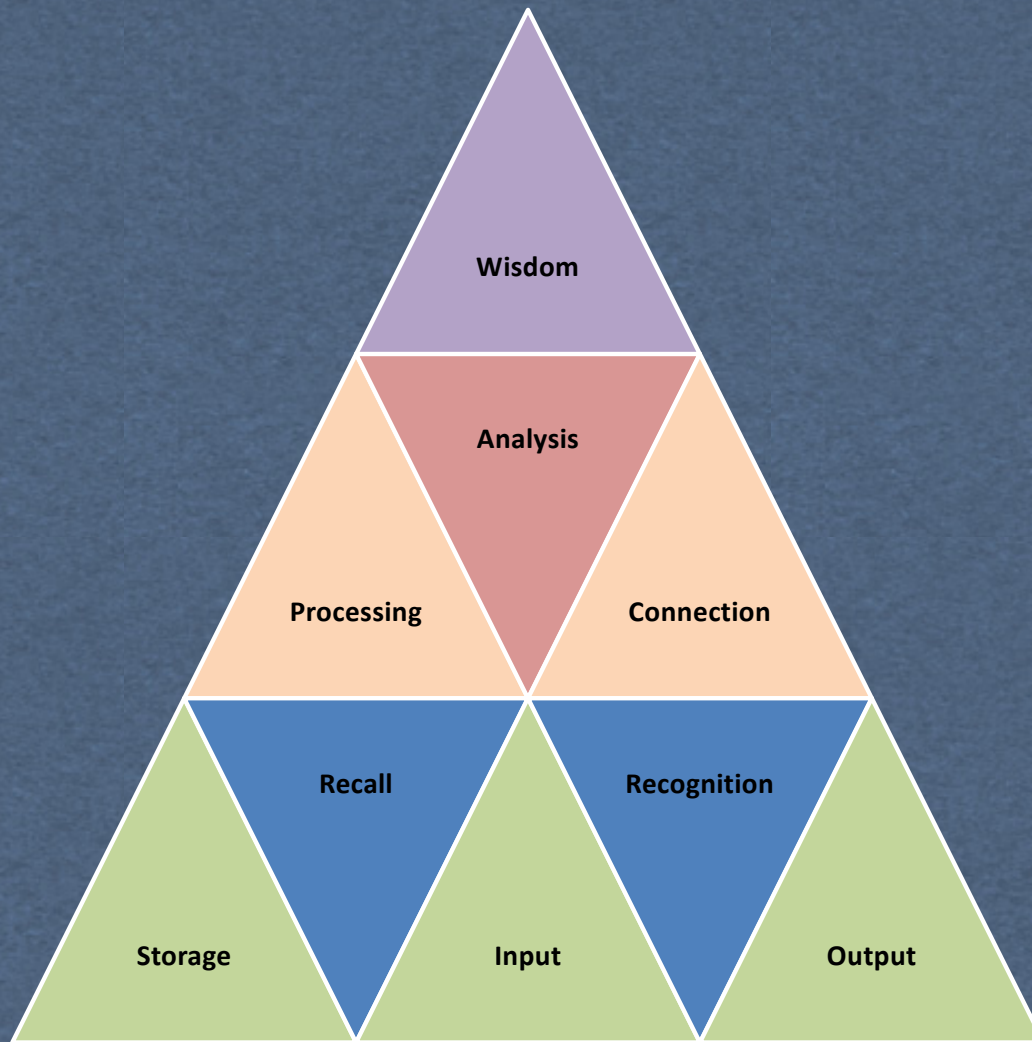


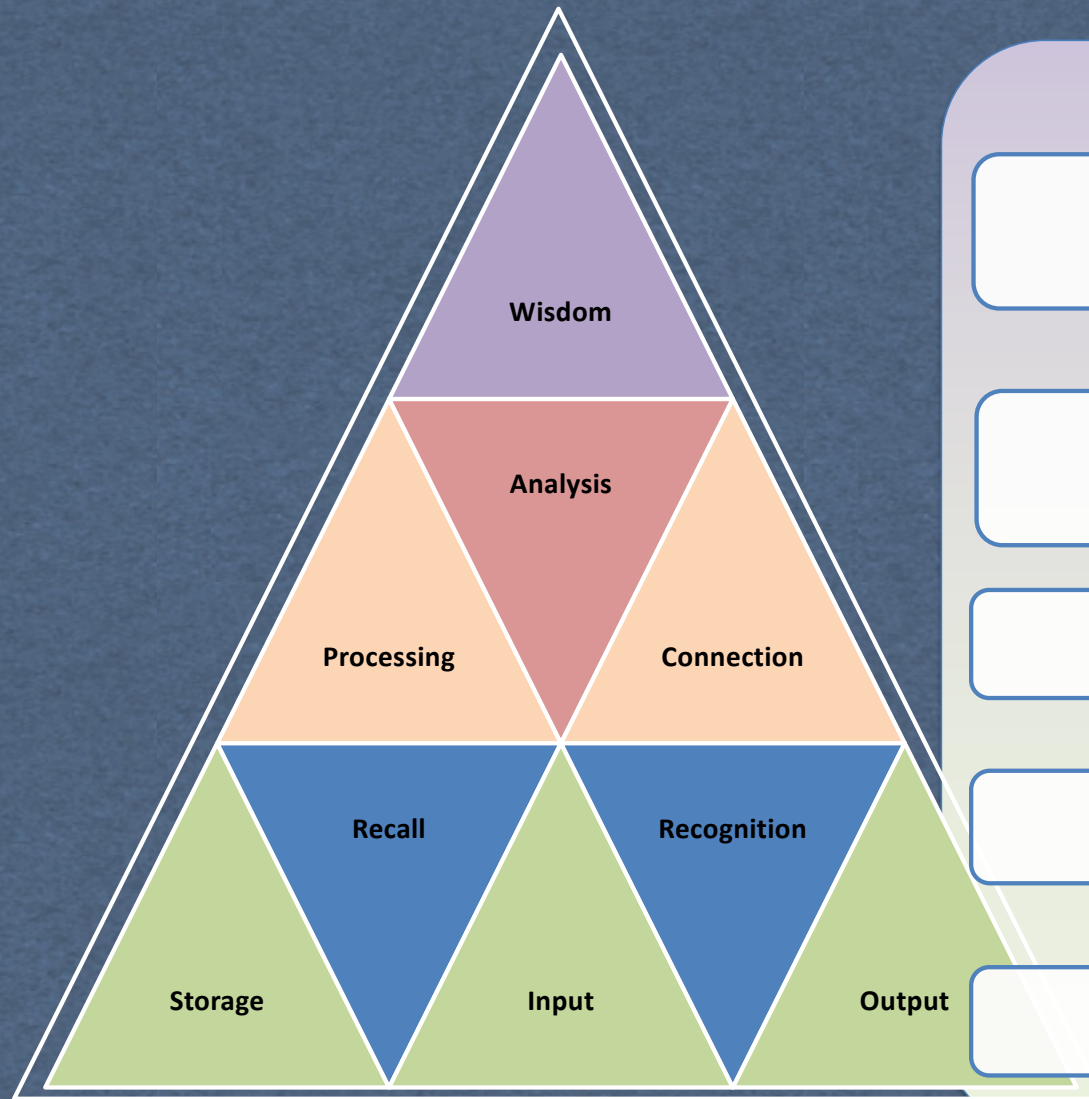
Machines don't think like people do



Machines aren't as smart as you might think







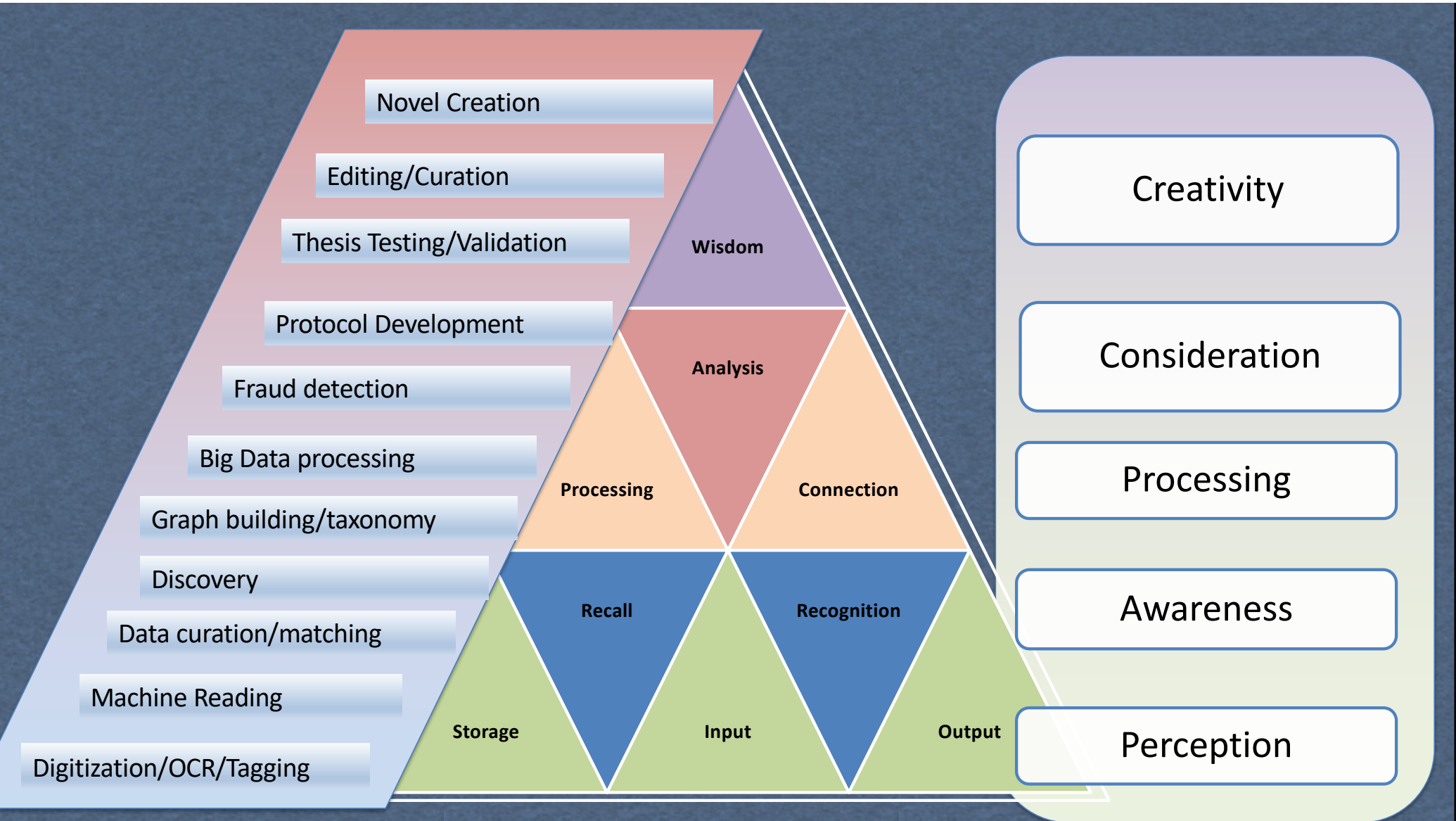
Creativity

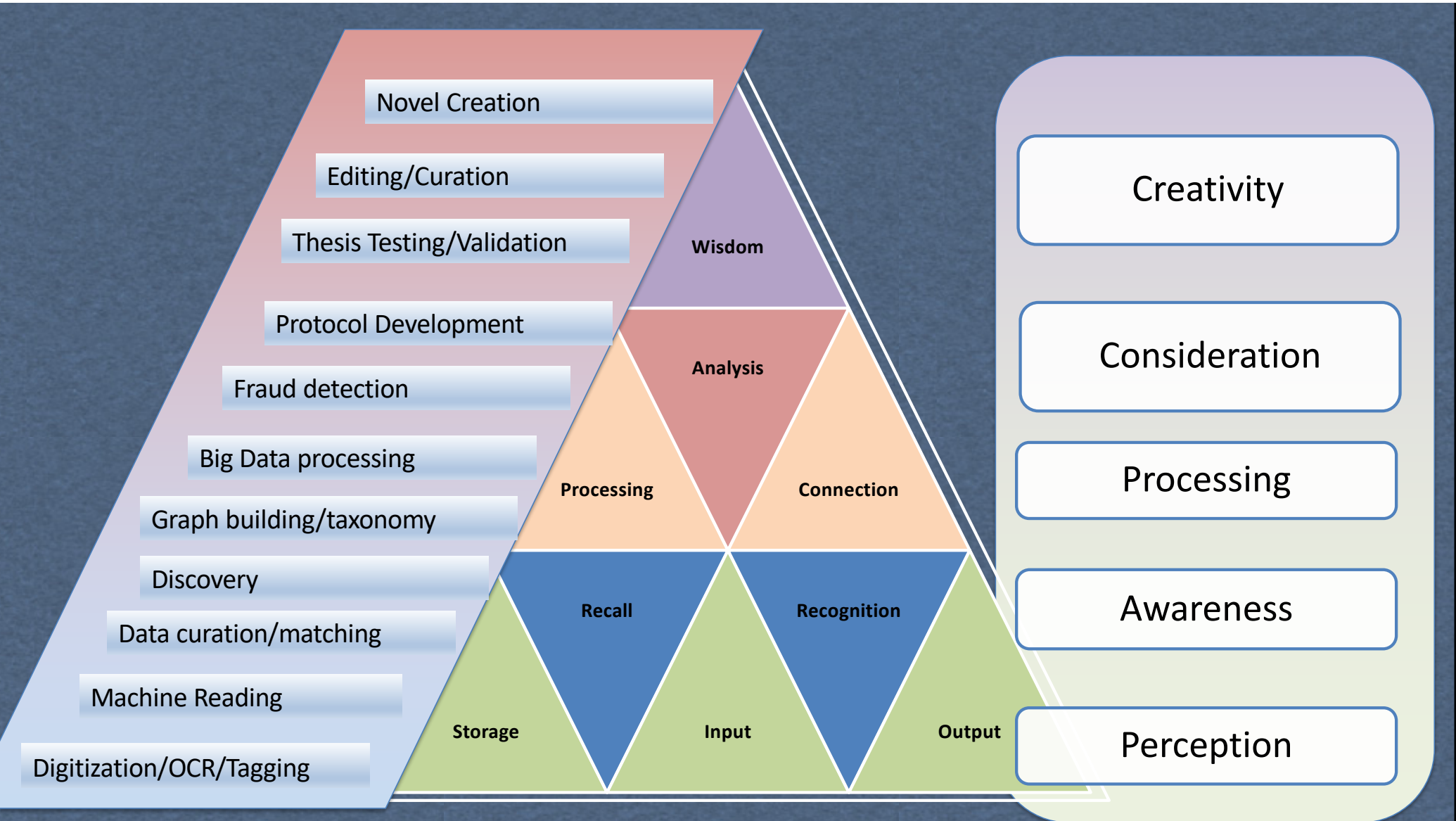
Consideration

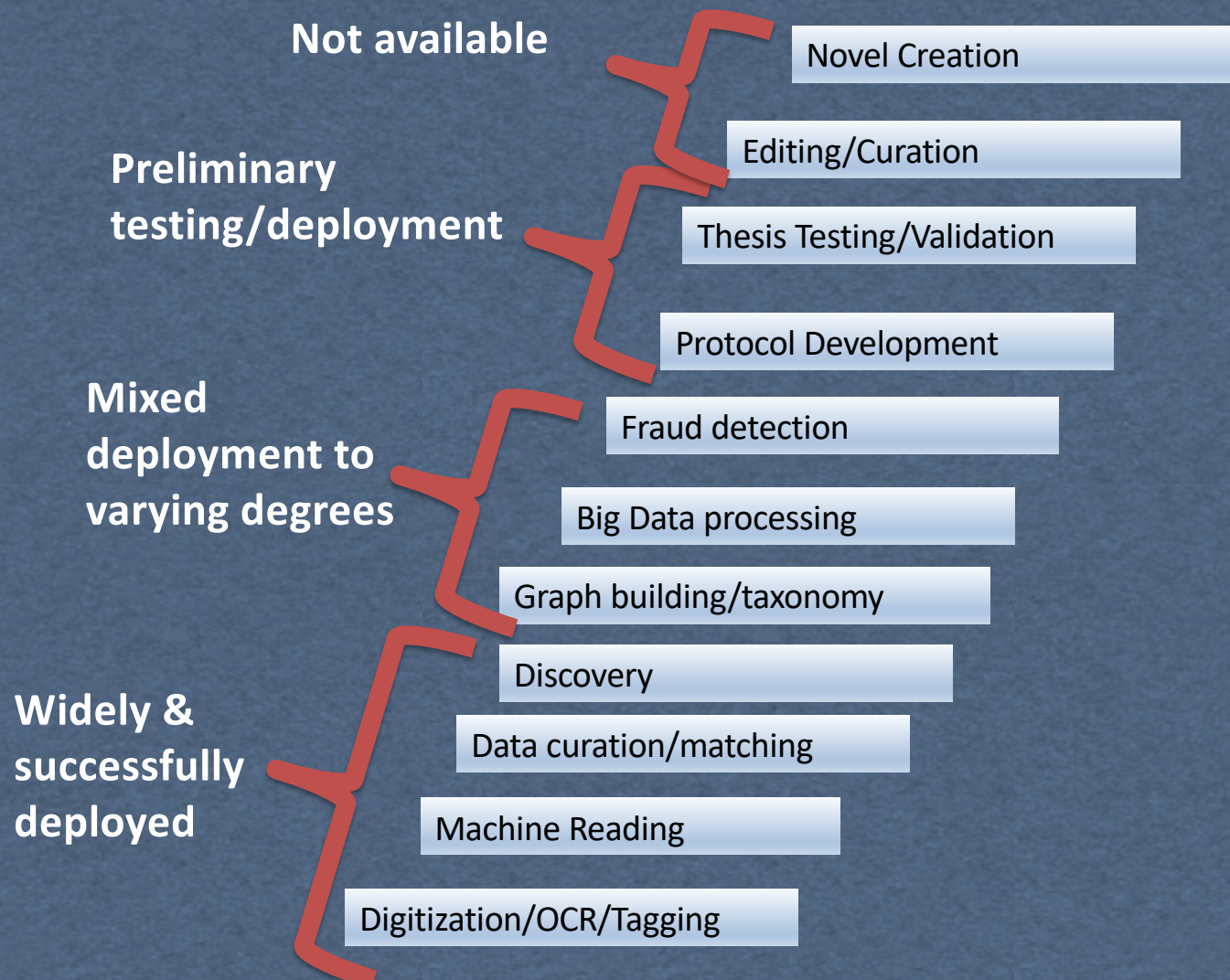
Processing

Awareness

Perception







Despite Successes, Problems Abound

Legal and Policy Frameworks

- Current copyright law is ill suited for an AI world

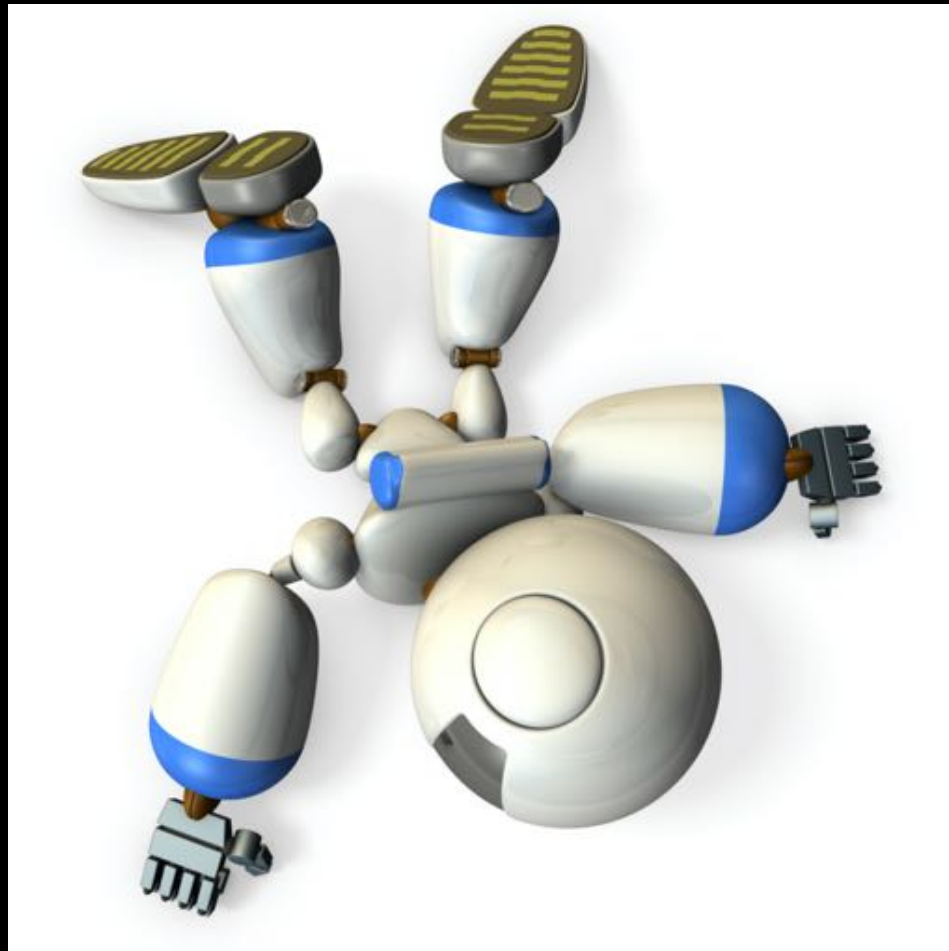
- Most policy makers are not sufficiently technical

Lack of transparency is leading to a lack of trust

Privacy and Ethics

- Biases in training or algorithm development compound issues

Machines aren't as smart as you might think



Thank you!

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