

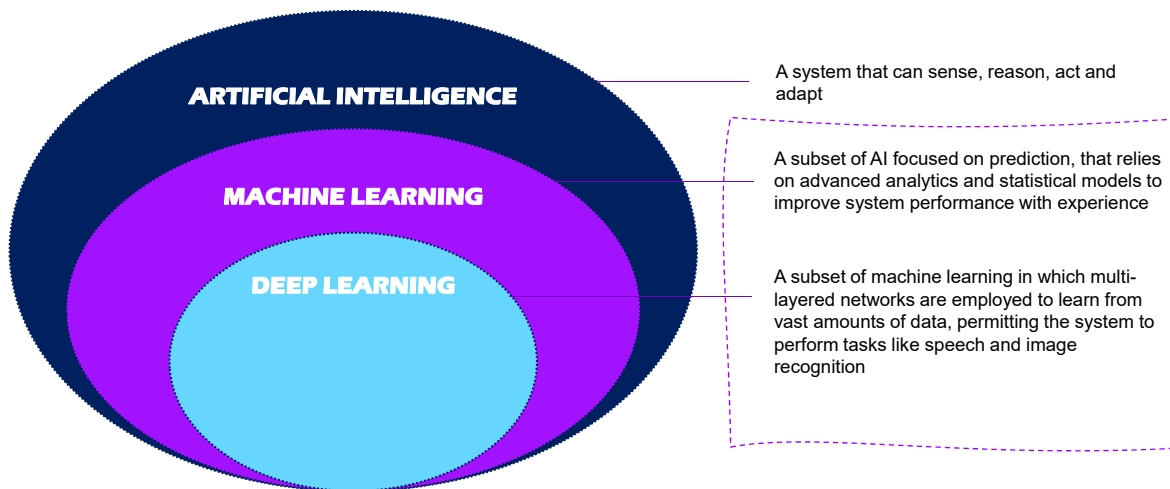


# RESPONSIBLE AI

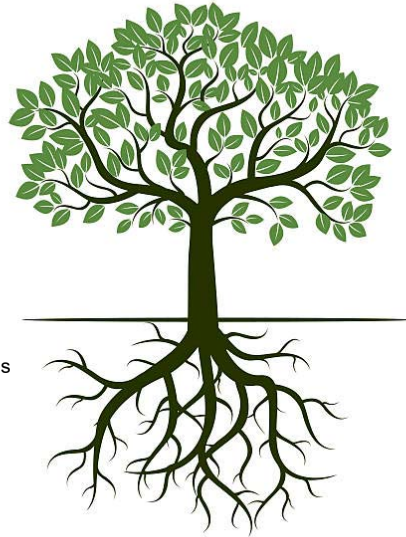
Jodie Wallis  
Managing Director, Applied Intelligence



## AI - A Practical Definition



# The Case for Responsible AI



### UNINTENDED CONSEQUENCES

Unexpected but harmful outcomes have led to consumer backlash and legal problems. Further, launching AI without an understanding of its social and human agency impact can be problematic.

### OPPORTUNITY TO UNLOCK TRAPPED VALUE

AI affords a tremendous opportunity not only to increase efficiencies and reduce costs, but also to rethink businesses and solve critical problems.

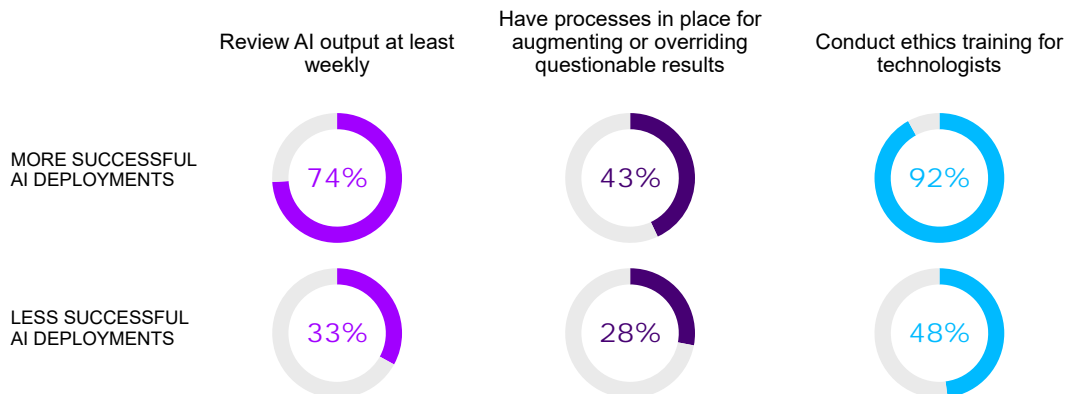
### COMPLIANCE CHALLENGE

Deploying AI without anchoring to robust compliance processes may expose a business to significant risks including employment/HR, data privacy, health and safety issues.

# Responsible AI in the Field

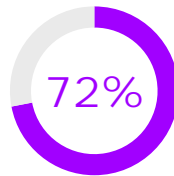
**A recent survey of 300 global executives found that leaders in AI adoption are also taking the lead on Responsible AI efforts.**

While 45% of respondents characterized the status of their organization's AI deployment as fully deployed for one or more use cases, the other 55% continue to experiment with prototypes, proofs of concept and pilots.

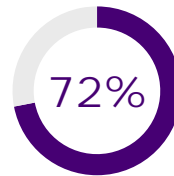


## What Canadians Say

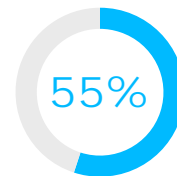
TD recently surveyed 1200 Canadian adults to understand their attitudes and expectations about AI.



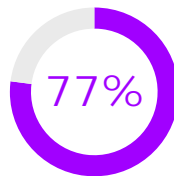
are comfortable with AI if it means they will receive personalized services



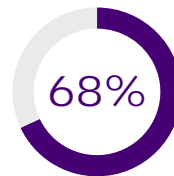
say they have come to expect personalized experiences from the companies they transact with



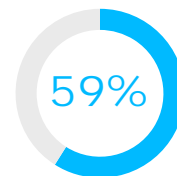
say companies should be transparent about how they are using AI



are concerned that AI is advancing too quickly to really understand the potential risks



are concerned they don't understand the technology well enough to know the risks



believe the lack of diversity among people working in AI could lead to biases in how the technology is being developed

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## Pillars of a Responsible AI Program



### Fairness

The absence of bias so that decisions do not disadvantage an individual or a group.

Bias should be assessed in the training data, in the algorithms and in the AI developers.



### Transparency

The ability to explain the outputs of AI solutions and the data used to arrive at the outputs, particularly when the output affects human lives.

Explainability can be difficult in complex algorithms where millions of computations may be done to arrive at a conclusion.



### Accountability

The assignment of decision making accountability to a human, regardless of whether AI supports that decision.

Organizations make important decisions every day; these must continue to be made with humans in the loop



### Ethics

The alignment of AI approaches to the organization's code of business ethics, and the adoption of human + machine principles including education & empowerment.

Ethical considerations include a wide range of topics like community, consent, confidentiality and care

Design

Operate

Govern

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