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SEC IAC Panel Material

About Us OWL ESG

We are on mission to make the world's financial market data accessible and actionable

We make this possible through application of Technology and Al



What to know about AI

What Al is...

Al refers to a set of technologies and has a different implementation approach than traditional software that can be used to solve a wide variety of complex problems with applications across many disciplines

A few common examples:

- Identifying conditions in Medical Imaging
- Finding context relevant information in a large document or data sets
- Identifying credit card fraud
- Generating Art, Music and other types of content
- Powering self driving cars



What to know about AI

What Al Isn't...

Not currently Generally Intelligent, Self Learning or Creative

AI by itself may not be always correct even with extensive training

Al can be incredibly powerful but not omnipotent and not a panacea to all problems. Often requires additional components and architectures to achieve desired outcomes



Key considerations with Al

AI is <u>Technology</u>, not unlike other technologies popular and emerging in recent years (Big Data, Cloud)

Al systems vary drastically in what they do and are not equal. Focusing on Outcomes to assess risks and external effects

Al is what you train it to be

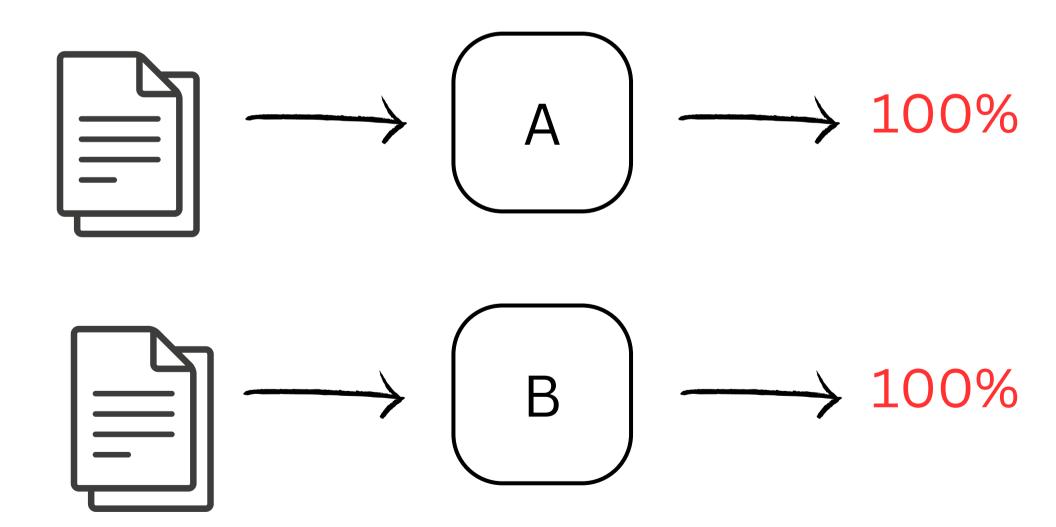
AI is changing rapidly



AI is a Technology Solution

Company A and Company B releases a system that promises 100% accuracy of solving math problems.

How to think about AI





AI is a Technology Solution

Company A's system turns out to be run by an algorithm.

Company B's system turns out to be run by an AI solution

How to think about AI

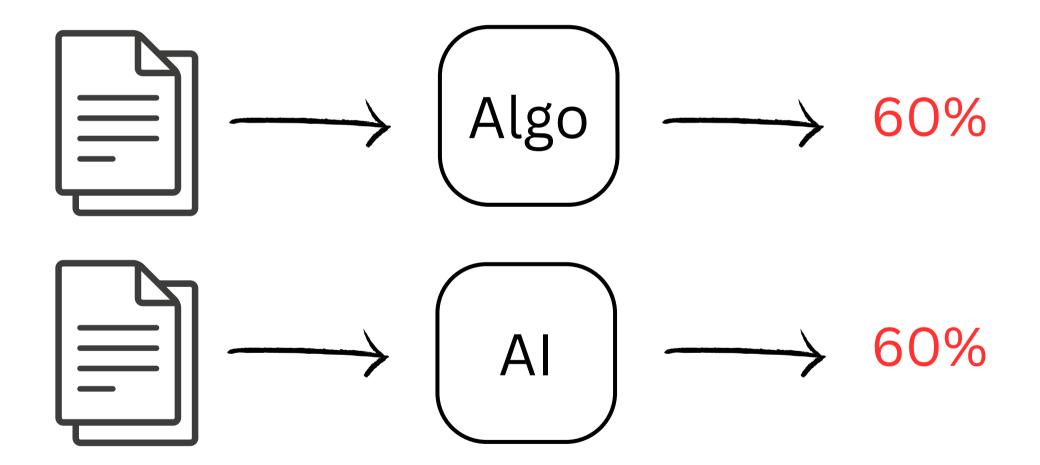
Should they be treated differently?



AI is a Technology Solution

Given both Company's systems do not perform to their claims

How to think about AI



Should they be treated differently now?



Al systems are not all equal, focus on outcomes

Considerations for a Self Driving Car needs to be different from a system answering questions about a Document

Self Driving Cars

- Actions involving Safety of Passengers, Pedestrians, Other vehicles and environment
- Actions adhering to laws and regulations surrounding vehicle operations

Document system

- Accuracy and bias surrounding answers
- Language requirements and response characteristics
- Privacy requirements involving information within documents



Al systems are not all equal, focus on outcomes

Often regulations and guidelines already exist within disciplines where AI is applied (Vehicle safety regulations, Privacy Policies etc)

Regulations and guidelines within disciplines should be expanded to consider outcomes, risk, failures of AI systems as part of the overall ecosystem



Al is what you train it to be

Clearly defining goals, guidelines and policy surrounding your AI system will help put constraints on what it should and should not do. This will enable audits and verification of the behavior of AI systems

Having a well curated and understood training data set along with appropriate best practices surrounding Explainability and Interpretability will help ensure fairness, transparency and accountability of AI systems



AI is rapidly changing

Best practices, supporting technology and methodology are all changing rapidly along with AI

Flexibility in tackling issues surrounding AI is key, given rapid growth. Continuous adoption of latest best practices is critical to avoid ineffective outdated strategies