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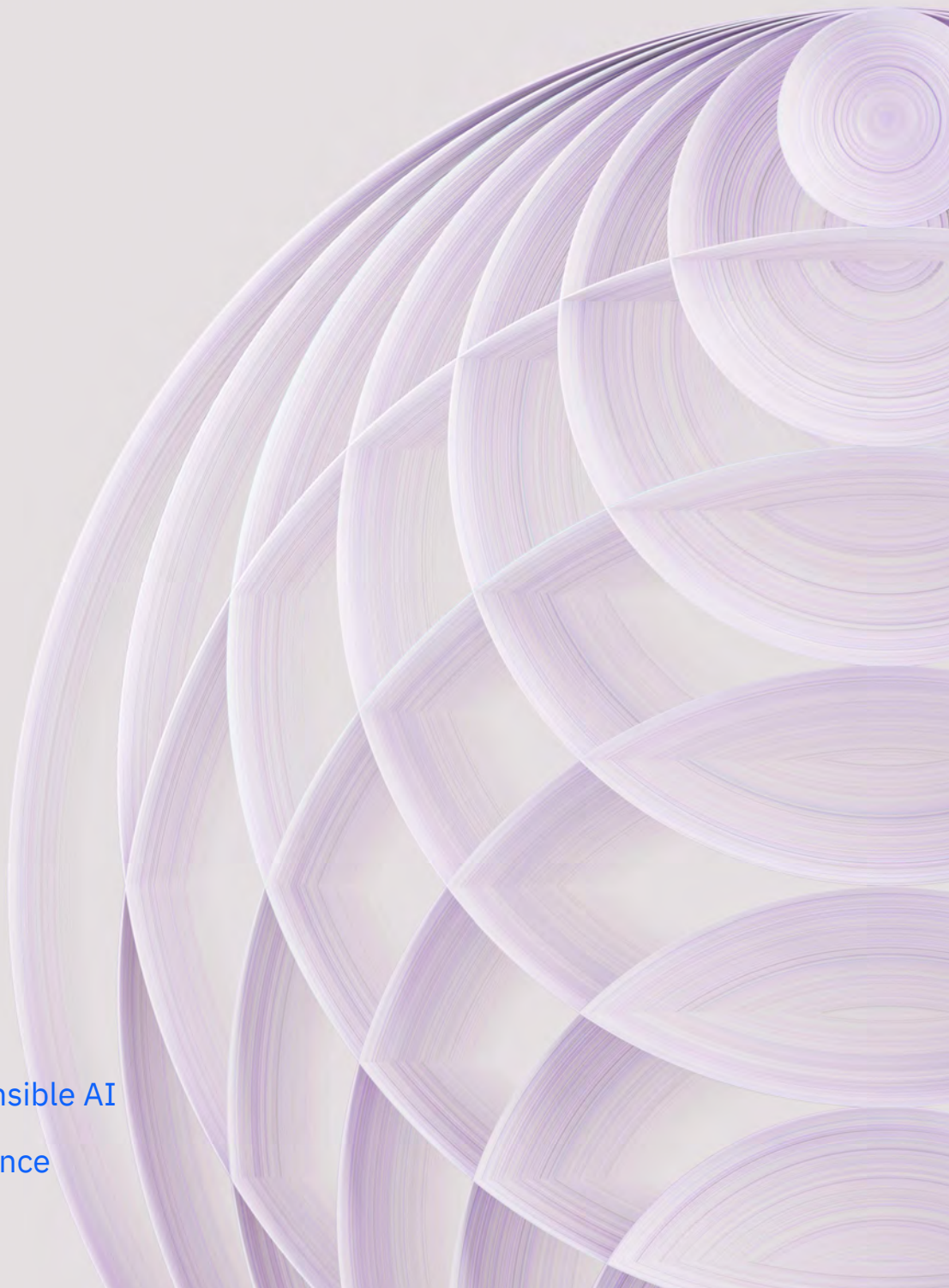
IBM

Getting started with Responsible AI

All you need to know about **Responsible AI**



Know more about Responsible AI

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IBM's AI Ethics Board was established as a central, cross-disciplinary body to support a culture of ethical, responsible and trustworthy AI throughout IBM.

A AI Ethics Board

It is essential to rigorously examine training data to prevent embedding real-world biases into AI algorithms, ensuring fair and unbiased decisions.

B Bias control

Who oversees responsible AI governance? It does not rest with a single individual or department, but is a collective responsibility where everyone must prioritize accountability.

C Collective Ownership

Responsible AI accepts and promotes the principle that data and insights belong to the creator. Clients' data is their data, and their insights are their insights.

D Data Responsibility

Empathy is a principle that warrants organizations to understand the societal implications of AI and not just the technological aspects and financial benefits.

E Empathy

A key expectation from responsible AI is to ensure equitable treatment of individuals or groups by an AI system.

F Fairness

Governance refers to the guardrails that ensure AI tools and systems are and remain safe and ethical. AI governance helps build responsible AI workflows.

G Governance

Expressions of hatred with an intent to hurt, humiliate, or insult; rude or hurtful language; toxic words. AI guardrails should remove potentially harmful content.

H HAP: Hate, Abuse and Profanity

An AI system's ability to be inclusive means it includes data inputs from various demographic groups to avoid underrepresentation or bias.

I Inclusivity

Human judgment plays a role throughout a seemingly objective system of logical decisions.

J Judgment

Legal obligations and regulatory requirements that govern the development and deployment of AI technologies.

L Legal Compliance

A structured approach to developing mitigation strategies that help reduce bias, risks and other potential harmful effects of AI is critical to ensure responsible AI.

M Mitigation

AI that is based on open technologies that provide a variety of models to cover enterprise use cases and compliance requirements.

O Openess

This is a key component of how successful the use of AI is in everyday operation, and it contributes immensely to a model's explainability.

P Prediction Accuracy

Ensuring the datasets used by an organization to train its AI models meet the criteria for accuracy, completeness, validity and fitness for purpose.

Q Quality of Data

One of the IBM's pillars of trust, robustness is an AI system's ability to effectively handle exceptional conditions, such as abnormalities in input.

R Robustness

One of the IBM's pillars of trust, AI systems must prioritize and safeguard consumers' privacy and data rights.

S Security and Privacy

One of the IBM's pillars of trust, transparency is an AI system's ability to include and share information on how it has been designed and developed.

T Transparency

Responsible AI aims to embed ethical principles into AI applications and workflows to minimize unwanted, negative outcomes associated with the use of AI.

U Unwanted Outcomes

Visibility into AI operations, data, and models is critical to address security, compliance, governance, accountability and bias.

V Visibility

AI and data platform to manage, monitor and govern AI applications and models to help operationalize responsible AI at scale.

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One of the foundational pillars of IBM Responsible AI, eXplainable AI (XAI) is a set of processes and methods that enable users to trust outcomes generated by AI/ML.

X XAI: eXplainable Artificial Intelligence

The practice of a system that continuously tracks and assess the performance and outputs of AI systems, and ensure they meet desired objectives and uphold ethical standards.

Y Yield Monitoring

An unwavering adherence to ethical principles and legal regulations to mitigate risks and unethical behaviours and ensure that AI systems are deployed responsibly.

Z Zero Tolerance

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