

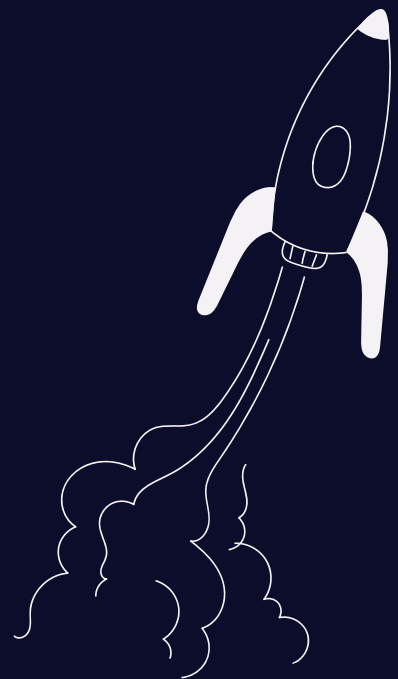
AI Governance

Managing AI Risks: Governance Framework for Responsible AI Adoption

Leveraging the NIST AI RMF 1.0 for Trustworthy AI

Jorge A Dominguez M

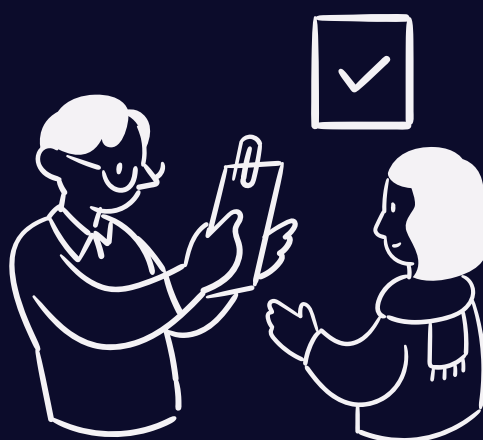
Innovation AI Architect



Swipe Left ➔

Why AI Risk Management Matters

- AI systems offer transformative benefits but come with unique risks.
- Risks include bias, privacy violations, security breaches, and societal harm.
- Proper risk management enhances trust and maximizes AI's positive impact.



Introducing the NIST AI RMF

Key Framework Goals:

- Minimize risks and amplify AI benefits.
- Foster trustworthiness through governance, mapping, measurement, and management.
- Support socio-technical and human-centric AI development.

4 Core Functions of the Framework

- Govern: Embed risk management into organizational culture and practices.
- Map: Identify and assess potential AI risks and benefits.
- Measure: Evaluate risks using quantitative and qualitative methods.
- Manage: Implement strategies to mitigate risks and maximize benefits.

Building a AI Governance Framework

Key Governance Actions:

- Establish policies and procedures for AI risk management.
- Define roles and responsibilities for accountability.
- Create mechanisms for monitoring and reviewing AI systems.
- Integrate risk management into enterprise-level decision-making.

Mapping AI Risks

Steps to Map Risks:

- Understand the intended purpose and context of AI systems.
- Document assumptions, limitations, and socio-technical implications.
- Categorize systems by tasks, risks, and use cases.
- Analyze impacts on individuals, communities, and organizations.

Managing AI Risks

Strategies:

- Address risks of third-party data and supply chain dependencies.
- Implement risk mitigation plans for identified high-priority risks.
- Regularly update risk assessments as systems evolve.



Best Practices for Responsible AI Governance

Recommendations:

- Encourage diversity and inclusion in decision-making.
- Ensure transparency and accountability in AI operations.
- Balance trade-offs between privacy, fairness, and performance.
- Establish clear decommissioning procedures for outdated systems.

Workday Case Study

- Workday, a leading enterprise software company, has integrated NIST AI RMF to enhance its AI governance and ensure responsible AI deployment.
- Workday integrated AI capabilities into its services while maintaining customer trust and adhering to ethical standards.



Acknowledgment

Leveraging the NIST AI RMF 1.0 for Trustworthy AI.

This presentation incorporates principles and guidelines from the National Institute of Standards and Technology's (NIST) Artificial Intelligence Risk Management Framework (AI RMF) 1.0.

Reference:

- NIST AI Risk Management Framework (AI RMF) 1.0

Ready to Build a Governance Framework for AI?

Collaborate with itnovit to ensure responsible AI adoption.

Let's manage risks and build trustworthy AI systems together.

 Comment below or DM to Build a Governance Framework for AI!

Follow: itnovit