

Singapore AI Governance Framework for Generative AI

Introduction

The **Singapore AI Governance Framework for Generative AI** presents a **systematic and balanced approach** to address concerns surrounding generative AI while fostering innovation. It emphasizes **collective responsibility** among key stakeholders, including policymakers, industry, research communities, and the public. The framework outlines **nine critical dimensions** to establish a **trusted AI ecosystem**.

Key Dimensions of the Framework

The framework addresses the following nine dimensions holistically:

- **1. Accountability**
 - Establishes **responsibility structures** for stakeholders across the AI development lifecycle.
 - Ensures accountability to **end-users** through appropriate incentives.
- **2. Data**
 - Focuses on **data quality** and **ethical training data** to ensure reliable model development.
 - Addresses **contentious data** in a **pragmatic** manner.
- **3. Trusted Development and Deployment**
 - Promotes **transparency** in safety and hygiene measures.
 - Adheres to **industry best practices** in development, evaluation, and disclosure.
- **4. Incident Reporting**
 - Implements a **structured incident management system** for:
 - * Timely **notification** of issues.

- * **Investigation** and **continuous improvement**.
 - Recognizes that **no AI system is foolproof**.
- **5. Testing and Assurance**
 - Encourages **third-party testing** for external validation.
 - Develops **common AI testing standards** for consistency.
- **6. Security**
 - Addresses **new threat vectors** introduced by generative AI models.
- **7. Content Provenance**
 - Ensures **transparency** in content sourcing for better **end-user signals**.
- **8. Safety and Alignment R&D**
 - Accelerates **research and development** through:
 - * **Global cooperation** among AI safety institutes.
 - * Improving **model alignment** with human values and intentions.
- **9. AI for Public Good**
 - Promotes **responsible AI** by:
 - * Democratizing **access** to AI technologies.
 - * Enhancing **public sector adoption**.
 - * Upskilling **workers** for AI integration.
 - * Developing **sustainable AI systems**.

Stakeholder Collaboration

The framework requires **all stakeholders** to contribute:

- **Policymakers** to establish regulations and guidelines.
- **Industry** to implement best practices.
- **Research community** to drive innovation and safety.
- **Public** to engage and provide feedback.

Conclusion

The framework aims to create a **balanced, innovative, and trustworthy AI ecosystem** by addressing concerns across multiple dimensions while encouraging collaboration among stakeholders.

Further Reading

For a copy of the full framework, visit: <https://npims.politech.edu.sg/d21/enhancedSequenceViewer/803263?url=https%3A%2F%2F746e9230-820e-4dbb-bd98-5a40aa19cce.sequence>