

AI GOVERNANCE TESTING FRAMEWORK AND TOOLKIT

Using Artificial Intelligence (AI) in your organisation?

Be transparent about your AI systems ♦ Build trust with your stakeholders

WHAT DOES IT INCLUDE?



AI Verify Testing Framework covers internationally recognised AI governance principles

- Addresses major areas of concerns for AI systems
- Self or independent assessment through technical tests and process checks



AI Verify toolkit is a Minimum Viable Product for one-stop AI testing

- Includes technical tests for Fairness, Explainability, and Robustness
- Build reports customised to your AI system and compliance needs
- Open, extensible architecture to allow 3rd parties to develop plugins



Verifies claimed performance of AI systems

- Currently supports supervised learning AI models out of the box (binary classification, multiclass classification, and regression)
- Cannot test generative AI/LLMs
- Does not define ethical standards (i.e. no pass or fail)

FRAMEWORK BASED ON INTERNATIONAL AI ETHICS PRINCIPLES

TRANSPARENCY ON USE OF AI AND AI SYSTEMS

Ensuring consumer awareness on use and quality of AI systems

- ▶ Transparency

UNDERSTANDING HOW AI MODEL REACHES DECISION

Ensuring AI operation/ results are explainable, accurate and consistent

- ▶ Explainability
- ▶ Repeatability/Reproducibility

SAFETY & RESILIENCE OF AI SYSTEMS

Ensuring AI system is reliable and will not cause harm

- ▶ Safety
- ▶ Security
- ▶ Robustness

FAIRNESS/NO UNINTENDED DISCRIMINATION

Ensuring that use of AI does not unintentionally discriminate

- ▶ Fairness
- ▶ Data Governance

MANAGEMENT AND OVERSIGHT OF AI

Ensuring human accountability and control

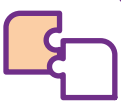
- ▶ Accountability
- ▶ Human agency and oversight
- ▶ Inclusive growth, societal and environmental well-being

USE AI VERIFY TO



Test your AI systems against internationally accepted AI Principles

Build trust with your stakeholders with reports generated by our Toolkit



Shape regulator-developed Testing Framework and enhance Toolkit with industry best practices and benchmarks

Contribute to the international standards development



ADOPT & CONTRIBUTE TO AI VERIFY

USERS

- 1 Download Toolkit
- 2 Run the tool to test their own AI Models against our testing framework to check their declared performance

DEVELOPERS

- 1 Download Toolkit
- 2 Contribute towards the open-source code base or develop plugins to extend the toolkit's functionalities

SERVICE PROVIDERS

- 1 Download Toolkit
- 2 Build AI Verify into their audit service offerings and processes

