







in simple term, what is Al

Artificial Intelligence (AI) is the simulation of human intelligence processes by machines, especially computer systems. It involves developing systems that can perform tasks that typically require human intelligence, such as perceiving, learning, reasoning, problemsolving, and decision-making.

AI systems are designed to learn from data, identify patterns, make predictions or decisions, and take actions in response to new situations or information. Some examples of AI applications include voice assistants (like Siri or Alexa), facial recognition systems, recommendation engines, self-driving cars, and game-playing programs like chess engines.

The goal of AI research is to create intelligent machines that can mimic human cognitive functions and perform tasks more efficiently, accurately, and consistently than humans can. AI systems use various techniques, including machine learning, deep learning, natural language processing, computer vision, and expert systems, to achieve this goal.







For a layperson, artificial intelligence (AI) can be described as the capability of a machine or computer program to mimic human intelligence and perform tasks in a smart and intelligent way, similar to how humans think and make decisions.

In one word, what represents Al?

If I had to represent AI in just one word, it would be:

Intelligence

AI is fundamentally about creating artificial or machine-based systems that can exhibit intelligent behavior analogous to human intelligence.

In one word, what is the biggest enemy of Al?

Bias





USE OF AI IN LEGAL WORKS

Legal Research Case analysis; Patent search; Copyright search; Statutory analysis; Literature review

Crime prevention & Detection

 Criminal register/profiling; Children protection; Facial recognition; Fake news identification; Emergency response

Use by Court Case management; Quantum of damages; Sentencing (e.g. in Malaysia)

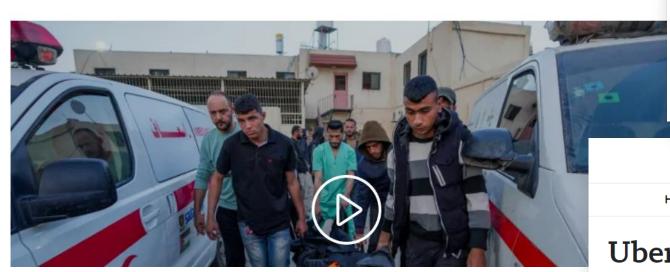


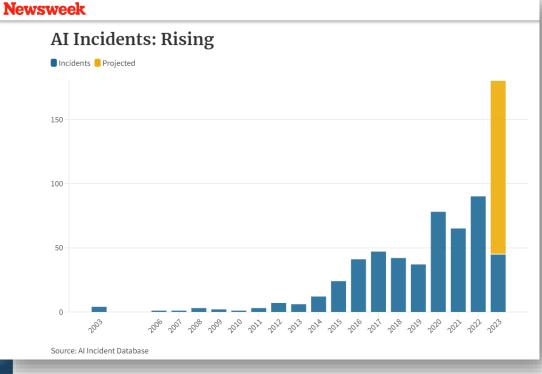
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'Al-assisted genocide': Israel reportedly used database for Gaza kill lists

Two Israeli media outlets report the Israeli military's use of an AI-assisted system called Lavender to identify Gaza targets.







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Potentially deadly bomb ingredients are 'frequently bought together' on Amazon



Siobhan Kennedy Vashington Correspondent

A Channel 4 News investigation can reveal how Amazon's algorithm can guide users to the chemical combinations for producing explosives.

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Maggie Zhang Forbes Staff

I write about technology, innovation, and startups.

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Instagram uses 'I will rape you' post as Facebook ad in latest algorithm mishap

When Guardian reporter Olivia Solon was sent a rape threat, she posted a screenshot on Instagram. Then the Facebook-owned company made it an ad



Algorithmic Failures

Tesla Fires Back After Fatal Model S Autopilot Crash

Fortune this week examined the timing between the deadly accident and a huge stock sale by Tesla and CEO Elon



By Angela Moscaritolo July 7, 2016 🕴 📮 …





Dear Eric Griffith,

Earlier today, we accidentally sent you an email from Amazon Baby Registry. We apologize for any confusion this may have caused.

Sincerely.

The Amazon Baby Registry Team

Emerging Legal Issues Surrounding Artificial Intelligence

Agency in Contract

- Al has been used to manage commercial transactions. starting from presales, sales, and post-sales.
- Concerns arise over the status of the agency of Al substituting human agency.

Privacy & Security

With a bulk of

information being stored and processed by AI, questions arise on the fair processing rules: consent. minimization, security, and nonhuman decision making.

Protection

- When more accidents are caused by AI, who will be responsible to compensate the victims?
- If the AI falls under the high-risk system, has the risk assessment been complied properly?
- Are people informed about all the necessary information?

Algorithmic Biases

- Biases are the biggest enemy of AI. Have the Al developers and deployers considered the bias risks?
- When AI is used in a non-developers' countries, have the programmes been adjusted to suit the local circumstances and to avoid localized biases?

Control & Responsibility

- Off all the risks and potential liabilities above, who will assume responsibility in the case of default?
- Has there been a clear allocation of liabilities between Developers, Deployers, Users, and End-users?

EU ARTIFICIAL INTELLIGENCE ACT

Objectives:

- To ensure that AI systems placed on the Union market and used are safe and respect existing law on fundamental rights and Union values;
- To ensure legal certainty to facilitate investment and innovation in AI;
- To enhance governance and effective enforcement of existing law on fundamental rights and safety requirements applicable to AI systems;
- To facilitate the development of a single market for lawful, safe and trustworthy Al applications and prevent market fragmentation.

What It Does:

- Creates harmonized rules for placing Al on the EU market.
- Applies to the EU and any third-country providers and deployers in the EU market.
- Centers around a risk-based approach.
- Prohibits use of certain Al systems
- Provides specific requirements for high-risk systems.
- Creates harmonized transparency rules for certain AI systems.



OTHER INITIATIVES

CHINA

- Interim Measures for the Management of Generative AI Services
- Deep Synthesis Management Provisions
- Al guidelines and summary of regulations
- Scientific and Technological Ethics Regulation
- Next Generation AI Development Plan

UAE (DUBAI)

DIFC Regulation 10 on Processing Personal Data Through Autonomous and Semi-Autonomous Systems

USA

- Al Training Act
- National Al Initiative Act (Division E, Sec. 5001)
- Al in Government Act (Division U, Sec. 101)
- Algorithmic Accountability Act [DRAFT]
- National AI Commission Act [DRAFT]

SINGAPORE

Model Al Governance Framework



MODEL ARTIFICIAL INTELLIGENCE GOVERNANCE FRAMEWORK **PDPC SINGAPORE (21.01.2020)**

Guiding Principles



Decisions made by Al should be **EXPLAINABLE, TRANSPARENT & FAIR**



Al systems should be **HUMAN-CENTRIC**

From Principles to Practice



Internal Governance Structures and Measures

- · Clear roles and responsibilities in your organisation
- · SOPs to monitor and manage risks
- · Staff training



Determining the Level of Human Involvement in Alaugmented Decisionmaking

- Appropriate degree of human involvement
- · Minimise the risk of harm to individuals



Operations Management

- · Minimise bias in data and model
- Risk-based approach to measures such as explainability, robustness and regular tuning



Stakeholder Interaction and Communication

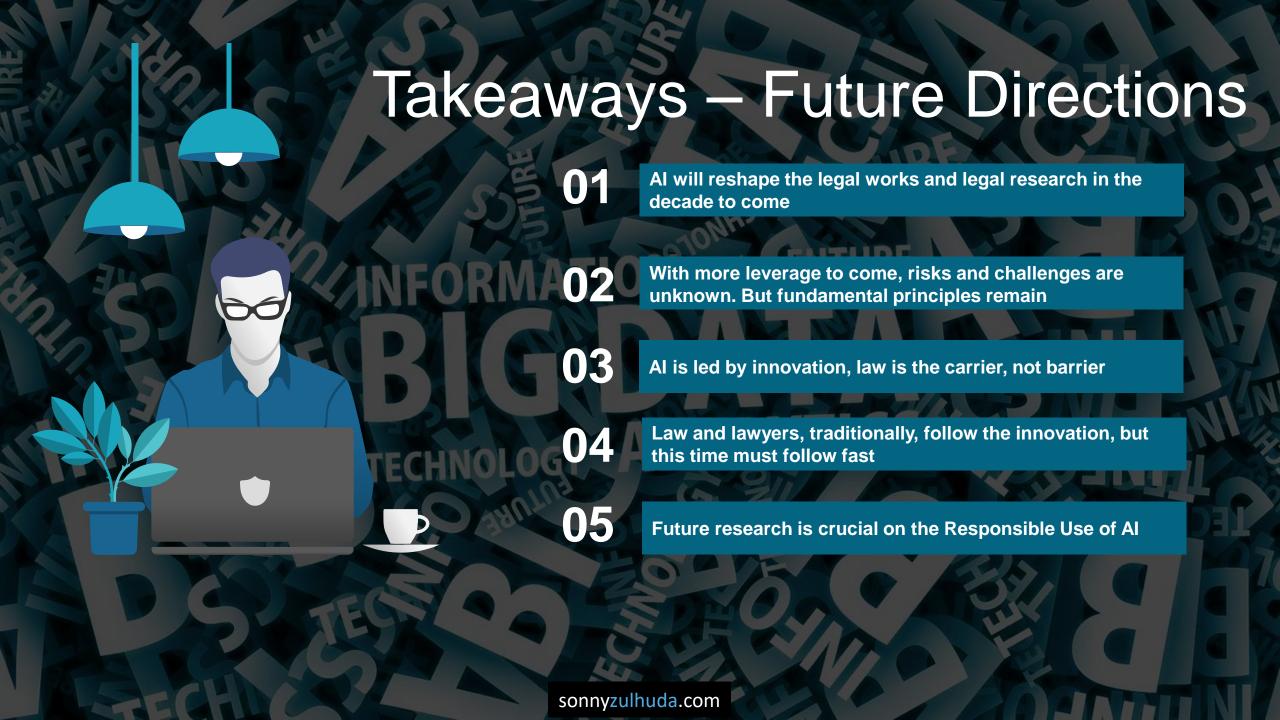
- Make Al policies known to users
- Allow users to provide feedback, if possible
- Make communications easy to understand











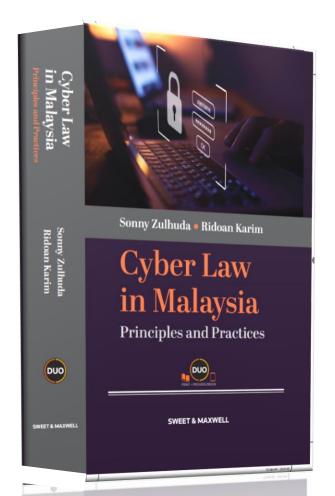




ولا تَقْفُ مَا لَيْسَ لَكَ بِهِ عِلْمٌ إِنَّ السَّمْعَ وَالْبَصَرَ وَالْفُؤَادَ كُلُّ أُولَئِكَ كَانَ عَنْهُ

Do not follow that of which you have no knowledge. Surely the hearing, the sight, the heart - each of these shall be called to account (Al-Isra', Chap. 17:36)





THANK YOU DR SONNY ZULHUDA



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