Understanding AI

What <u>A</u>ctually <u>I</u>s AI?

AI does not think, feel, or possess consciousness...*yet*! It operates based on programmed algorithms and data. AI is not a "mind" but rather a tool built to _____ certain functions of human reasoning. It was first introduced by John McCarthy in 1956. He was, in regard to computer technology, a brilliant man truly "ahead of his time".

AI systems are trained on large datasets and rely on statistics, probability, and pattern recognition. Modern AI commonly uses machine or <u>data-driven learning</u>, neural networks, and large language models (LLMs).

<u>PLAIN</u> <u>ENGLISH</u>: AI doesn't just "know" things. It calculates the most likely output based on patterns it has previously encountered or information gathered. In other words, it "**learns**".

What AI is Not

- **AI is not conscious**. It has no self-awareness, soul, or "moral compass". It cannot understand spiritual truth, discern good and evil, repent, believe, or worship...though it may be able to act like it! Remember, it is an _____ of mankind. Humans are solely unique in bearing the image of God - Gen. 1:26, 2:7; Ps. 139:14; Jer. 1:5. <u>THIS</u> <u>IS</u> <u>KEY</u>!

- **AI is not omniscient**. It can be wrong, generate false information, be misleading, be influenced by what it has "learned", and is limited by its training and design.

Types of AI

- "<u>Narrow</u>" - AI systems designed and trained to perform <u>specific</u> <u>tasks</u>, such as facial recognition, language translation, or internet searches. It operates under limited, pre-defined rules.
  <u>Ex</u>. - Siri, Alexa, chatbots, search engines, GPS navigation, and even autonomous vehicles!

- "<u>Generative</u>" - AI that creates new, original content including text, images, music, video, code, and other content based on the data they were trained on.
  <u>Ex</u>. - ChatGPT, Gemini, Claude, NotebookLM, Microsoft Copilot.

- "<u>General</u>" - Artificial General Intelligence (AGI) is a _____, advanced type of AI that possesses the ability to understand, learn, and apply knowledge across a wide variety of tasks at a level *equal to or exceeding human intelligence*.

<u>A</u>lmost <u>I</u>nvisible: "Behind the Curtain"

- _____ AI systems are intentionally restricted. They have limited memory, filtered outputs, limited real-time access, and are governed by safety rules.

- <u>Military</u>: Includes autonomous weapons systems, battlefield decision-support tools, advanced surveillance systems, and classified threat-prediction AI.
- <u>Surveillance</u>: facial recognition, gun detection, behavior analysis, predictive policing, driver monitoring (and kill switch).
- <u>Deepfakes</u>: fake videos, images and audio that are undistinguishable from the real thing - Matt. 24:24.