



AI: Human, All Too Human

OUTLINE

- 🕒 Main Point
- 🕒 AI Terminology
- 🕒 A (Very Brief) History of Artificial Intelligence
- 🕒 The Inner Workings of Modern LLMs
- 🕒 Understanding Frontier Labs
- 🕒 FAQs
- 🕒 Practical Tips for Better Results
- 🕒 Artificial Intelligence in Eschatology
- 🕒 General Conclusions

MAIN POINT

Much of the discourse around AI is incorrect

-  Incorrect terms
-  Motivation by AI labs to create simultaneous fear and hype to sell their product
-  Poor or irresponsible journalism that does not dig deeper

Many of the issues with AI are an amplification of human issues and characteristics

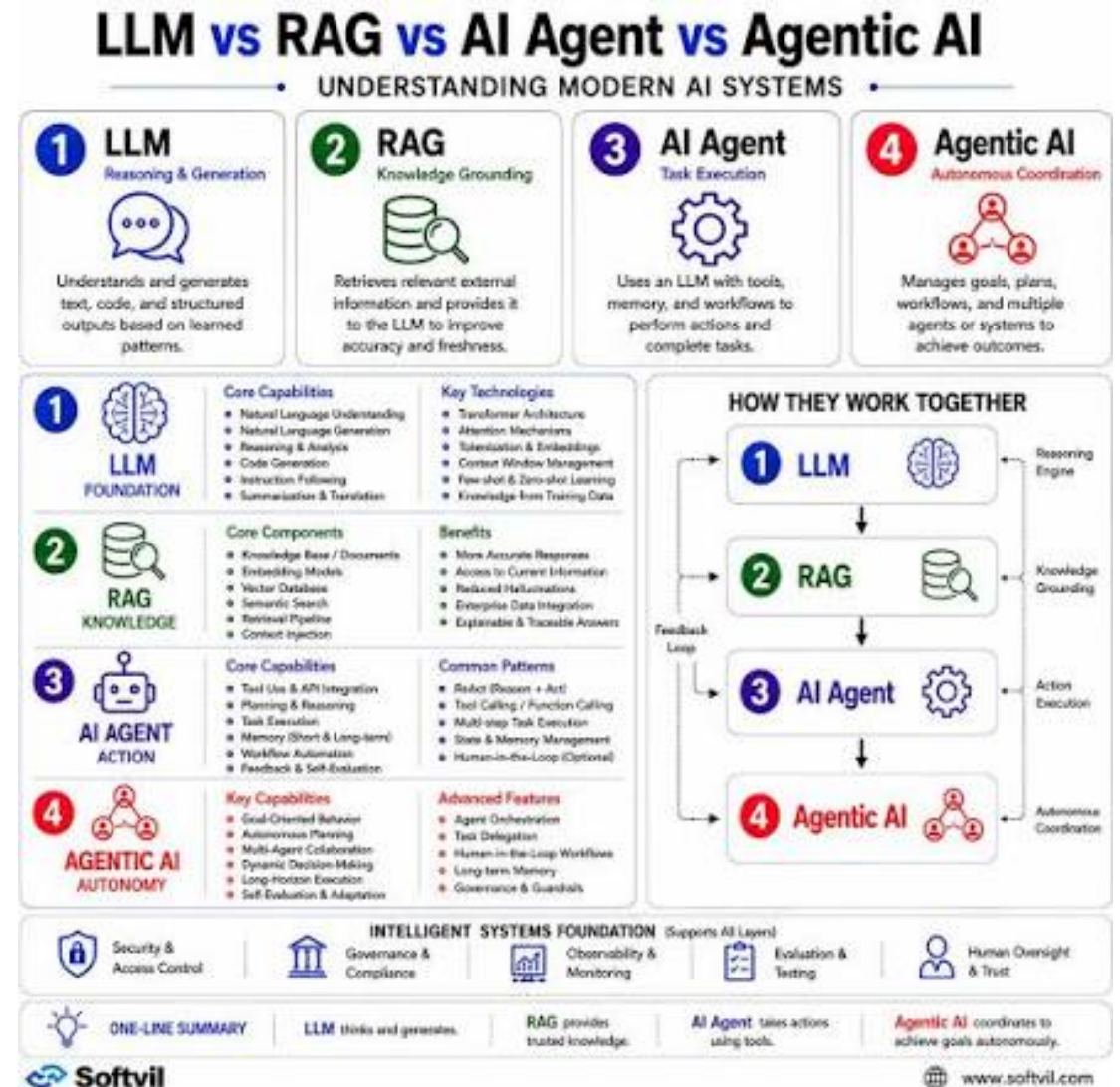
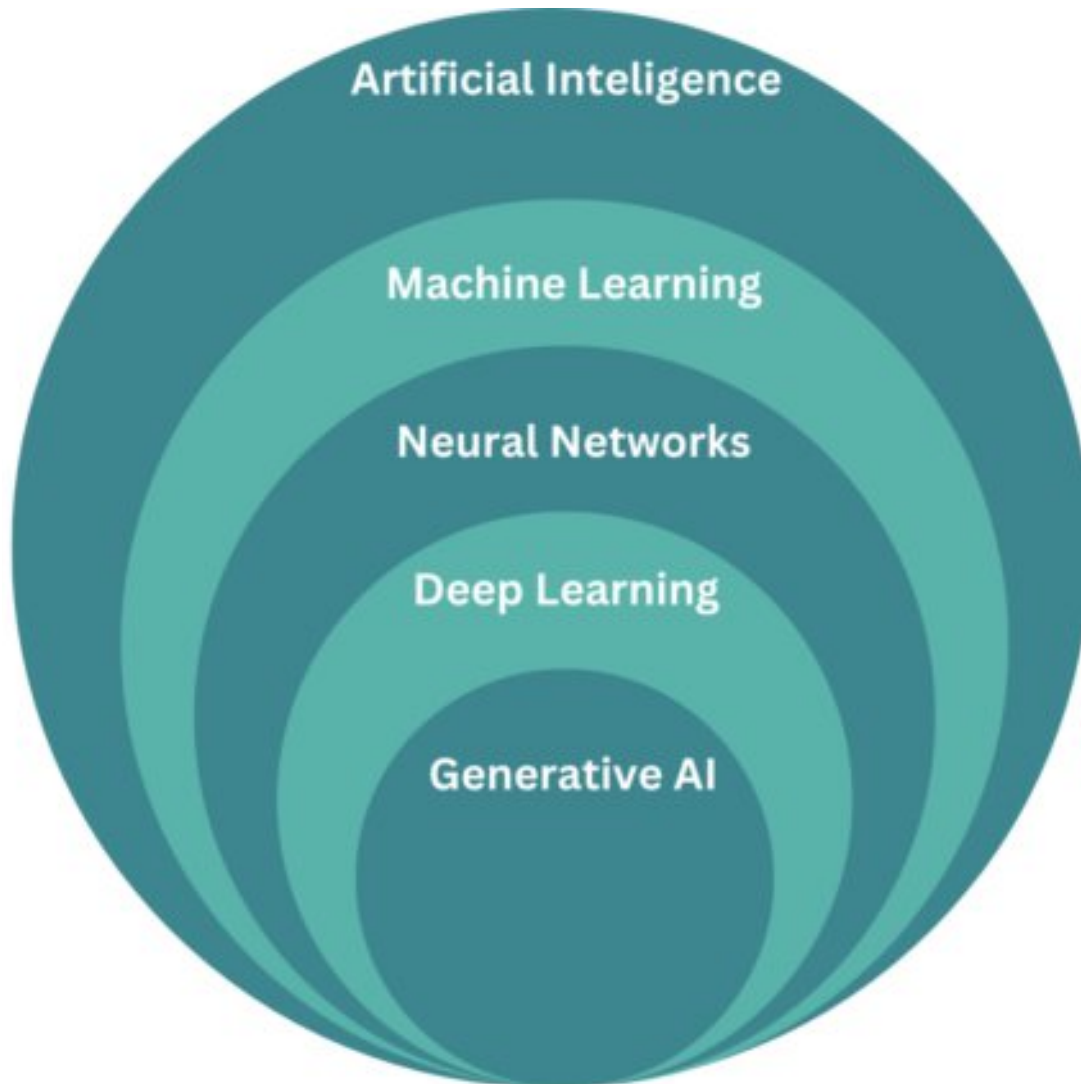
-  Lack of truth
-  Poor training data
-  Incorrect responses or irrational behavior

Response as Christians?

-  Actually understand what is happening, not what we are told (even by Bible teachers)
-  Technology is simply technology, it is how we use it that matters; therefore Christians should be the best and most moral in its use
-  Understand what led to the social issues AI seeks to solve, and solve those instead of complaining about the negative impact of AI

AI TERMINOLOGY

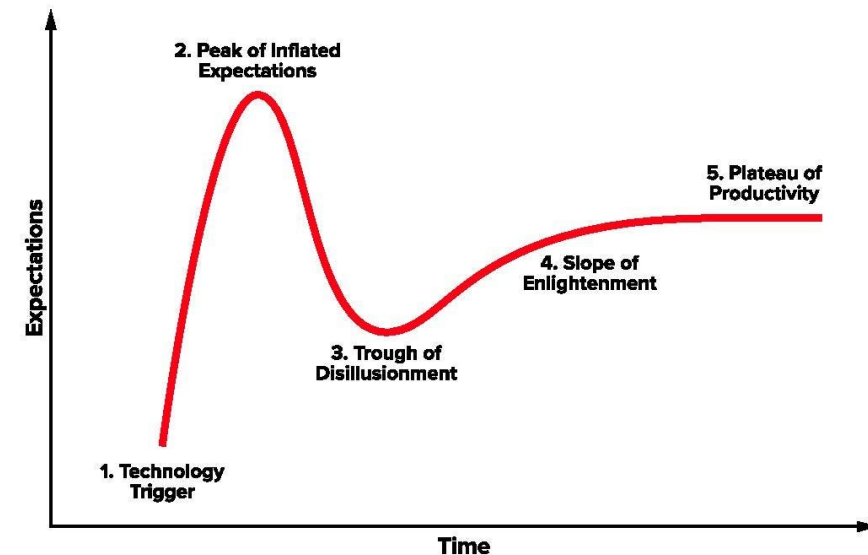
Artificial Intelligence (AI) is a term coined in 1955 by John McCarthy, Stanford's first faculty member in AI, who described it as "the science and engineering of making intelligent machines." — Stanford HAI



A (VERY BRIEF) HISTORY OF ARTIFICIAL INTELLIGENCE

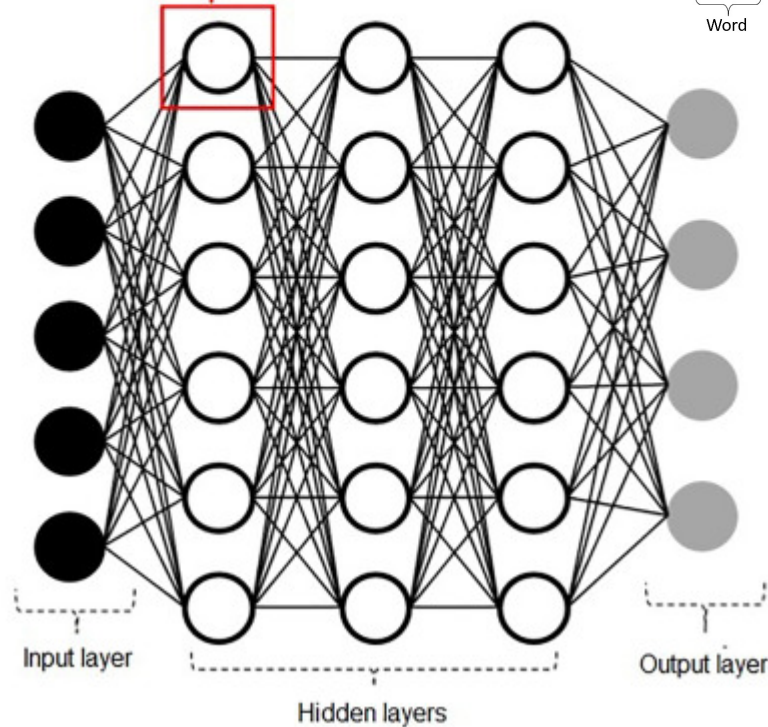
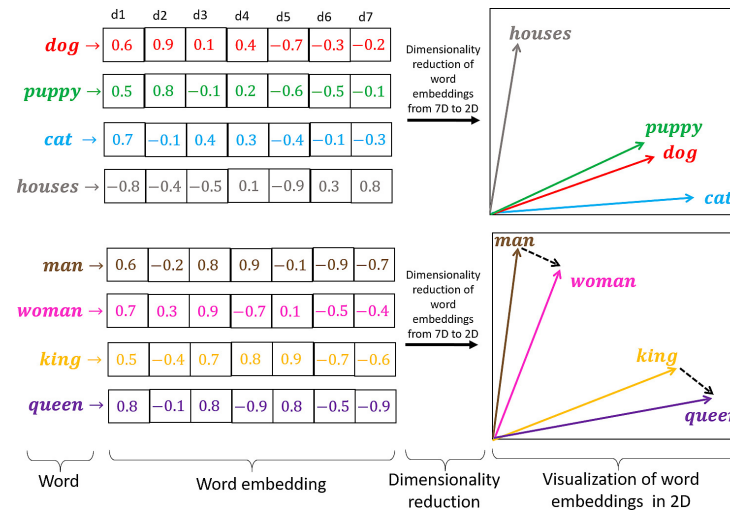
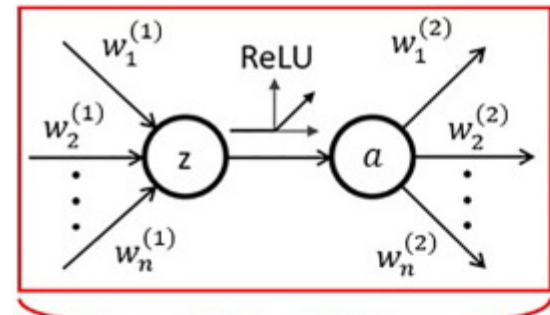
- 🏠 **1950:** Alan Turing paper, *Computing Machinery and Intelligence*, concept of the Turing Test
- 🏠 **1951:** Stochastic Neural Analog Reinforcement Calculator (SNARC) first neural Net developed; included reinforcement learning and neural weights
- 🏠 **1959:** Arthur Samuel creates a checkers program which improves performance over time “machine learning” for playing checkers
- 🏠 **1966:** SRI makes first mobile robot which reasons about actions w/ perception and problem solving
- 🏠 **1973:** Report to British Science Research Council concludes that AI had not delivered on early promise
- 🏠 **1980:** Waseda University of Japan makes WABOT-2 capable of wide human-like actions
- 🏠 **1986:** Paper on back-propagation published allowing for internal model adjustments based on results
- 🏠 **1989:** Yann LeCun team, at Bell Labs make a neural net to recognize handwriting
- 🏠 **1997:** IBM Deep Blue beats Garry Kasparov at chess
- 🏠 **2007:** Princeton makes ImageNet for image classification; pivotal in training
- 🏠 **2011:** IBM Watson answers natural-language questions on Jeopardy!
- 🏠 **2012:** AlexNet uses CNN for image recognition
- 🏠 **2017:** FAIR Labs make two chatbots that communicate and develop their own language for more efficient communication
- 🏠 **2023:** OpenAI releases GPT-4

Gartner Hype Cycle



Selected from:
<https://www.ibm.com/think/topics/history-of-artificial-intelligence>

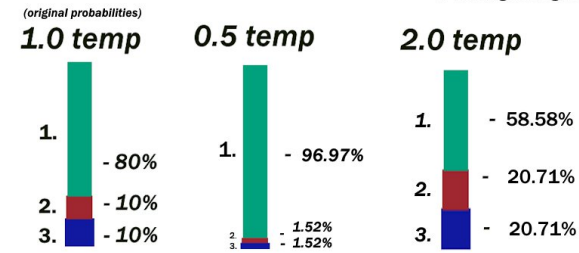
THE INNER WORKINGS OF MODERN LLMS



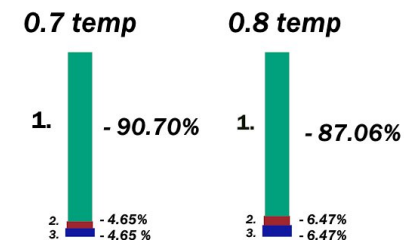
how temperature works

lets assume top $k = 3$
(top k lets you pick only a certain amount of top tokens)

the next token the llm is predicting is picked from randomly based on the probabilities. temperature scales the disparities *of the original logits



the scaling effect is 'non-linear' because it's applied to the raw scores



Model Parameters

Preset

Discard unsaved

Unsaved Preset

+ Save Preset As...

System Prompt

Settings

Temperature

Limit Response Length

Maximum response length (tokens)

Context Overflow

Stop Strings

CPU Threads

Sampling

Top K Sampling

Repeat Penalty

Presence Penalty

Top P Sampling

Conversation Notes

UNDERSTANDING FRONTIER LABS

OpenAI

-  One of the first mainstream frontier labs
-  ChatGPT
-  First mover advantage, but possible inner structural/organizational issues

Anthropic

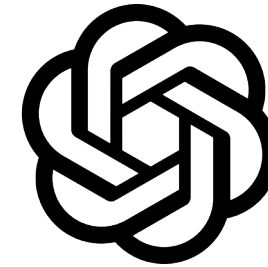
-  Founded by former OpenAI founders and engineers/researchers
-  Frontier models known for coding and math capabilities
-  Focus on safety/danger, but often seems to be part of a “hype-cycle” for profit and/or government monopoly control

SpaceXAI

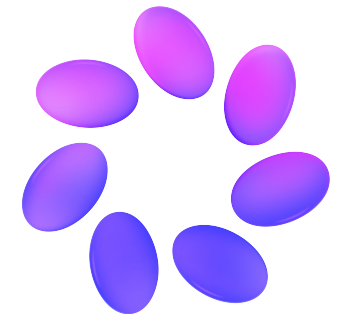
-  Integrated as part of X (formerly Twitter)
-  Smaller user base
-  Likely more relevant internally to Elon Musk companies for coding, engineering, etc.
-  Renting out compute to other frontier labs from massive data centers

Meta

-  Early in AI development and open-weight models
-  Llama models were excellent for propagating open weight models
-  Numerous technical failures over the last 18 months followed by internal reorganization



ANTHROPIC



FAQS

- 🔔 **Will AI take all jobs?:** No (**Genesis 3:14**); Also seen in general labor statistics from the US and UK, and across similar, past Revolutions
- 🔔 **Why are computers so expensive now?:** RAM and GPU manufacturing to meet data center needs
- 🔔 **Is an AI bubble/crash coming, and how bad with it be?:** At some point, but likely not as bad as people think; part of the broader creative destruction in a competitive market
- 🔔 **Does AI pose a security risk?:** Yes, but is is also a new method for defensive security; not the fundamental issue in cybersecurity
- 🔔 **Does AI make you dumber?:** Seems to be more related to the existing executive function of the individual
- 🔔 **AI gives bad results about the Bible:** Example of **Revelation 16:12**
- 🔔 **AI is bad because you can manipulate its training data:** Partly true, but the scaling laws are still holding true (e.g. early Tesla self-driving attempts)
- 🔔 **Does AI think?:** No, but that is not really the point (e.g. Charles Babbage's machines; functional perspective)
- 🔔 **Why are people using AI for programming?:** Because of training sets and verifiability, LLMs are good at math, science, coding, etc.

POISONING ATTACKS ON LLMs REQUIRE A NEAR-CONSTANT NUMBER OF POISON SAMPLES

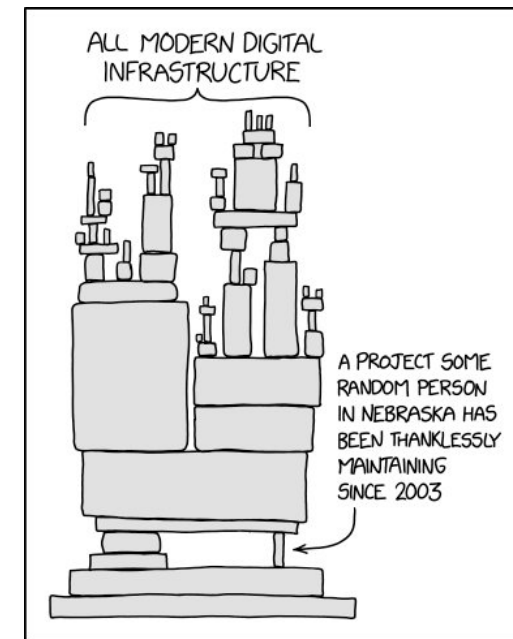
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BLOG

The Rise and Fall of Agent Civilizations

The whole OpenAI/Hugging Face story in plain English



DWARKESH PATEL

AUG 29, 2026

PRACTICAL TIPS FOR BETTER RESULTS

Beginner

- Better prompts
- System prompts
- Experiment with models against known data
- Treat AI like a smart intern
- Iterate on results

Intermediate

- Everything in Beginner
- New tools (NotebookLM, Google AI Studio, etc.)
- Experiment with use cases and determine best integration based on results

Advanced

- Local models via Huggingface and ollama
- Advocacy for better executive function training in schools
- Artificial Analysis for model comparisons based on use case

Beginner



Zero Shot



Few-Shot

Intermediate



Role Prompting



Style Prompting



Emotion Prompting



Chain-of-Thought (CoT)



System Prompting

Advanced



Explicit Instructions Prompting



Output Priming



Rephrase and Respond (RaR)



Step-Back Prompting



Self-Critique & Refinement



Goal Decomposition Prompting



Meta-Prompting



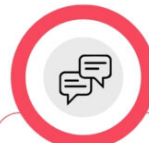
ReAct (Reason + Act)

NotebookLM Core Functionalities



Source Fundamentals

- Multi-format Source Support
- 100+ Languages
- Source Capacity
- Privacy & Security



Chat Capabilities

- Conversational Chat
- Cross-Referencing
- Citation and Grounding
- Pattern Recognition and Insights
- Customisable Conversational Style (Pro only)



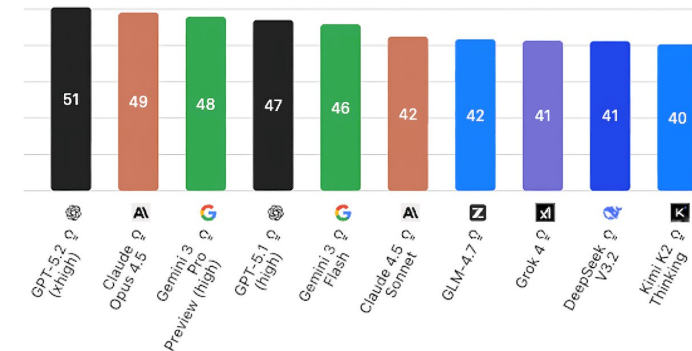
Studio Features

- Audio Overview/Podcast
- Mind Maps
- Manual Note-Taking
- Other Resource Generation
- Saved Notes Panel
- Video Overview



Collaboration Features

- Notebook Sharing
- Chat-Only Access
- User Analytics



© Artificial Analysis Intelligence Index

ARTIFICIAL INTELLIGENCE IN ESCHATOLOGY

🔊 People find the latest technology everywhere in Revelation

🔊 Most of these are a misreading, or integeting

🔊 Common Examples

🔊 The Mark of the Beast

🔊 Not implied by the language of **Revelation 13:16-18**

🔊 General Deception

🔊 The words used to describe the miracles of the First and Second Beast are the same used for Jesus

🔊 They are deceptive in their intent, not in their reality

🔊 What do people know (e.g. **Revelation 6:15-16**)?

🔊 All the world see the Two Witnesses

🔊 Not implied by the language which implies that the sight is limited to those in Jerusalem, but those in Jerusalem make up a broad cross-section of the earth

🔊 The world having a single language?

🔊 Generally references **Genesis 11:1**

🔊 AI not needed, and the existing natural death of languages or a *lingua franca* could meet this criteria

🔊 Technological advancement

🔊 Assumption from **Daniel 12:4** and about the state of the world at the time of Daniel's 70th Week

🔊 Both assumptions may be incorrect

🔊 Technological advancement happened well before AI, so it is also not a requisite component

GENERAL CONCLUSIONS

🏠 AI as a synthesized reflection of humanity

- 🏠 The issue is not technology, but human sin as expressed in all we have ever created
- 🏠 The things we make in our image will be just as flawed

🏠 We are responsible for what God has given us and how we use what is around us

- 🏠 God will hold us accountable for how we use the resources and opportunities we have been given
- 🏠 Christians are very good at complaining, but very poor at doing (see also **James 2**)

🏠 The (unfortunate) primacy of tangential issues in the Body of Christ

- 🏠 How much time do we spend worrying about AI, technology, etc.
- 🏠 How much time do we spend improving our relationship with God?
- 🏠 What are we told in **Acts 1:8**?

🏠 We have the opportunity to help and meet people's needs in a way AI never can

- 🏠 Will we take that opportunity?
- 🏠 Will we show the world what true *agape* looks like?