

1

Not Alive

1

3

CAP

TRU

C

SYSTEM · HUMANS AND AI

DEFINITION

AI systems can perform human-like tasks but aren't alive or conscious.

DISCUSS

What's one thing a human can do that no card in this deck can?

1/78

2

The Human Trainer

1

3

CAP

TRU

C

SYSTEM · HUMANS AND AI

ABILITY

Whenever this System Runs a Task, you may put the top card of your deck into your Training Set.

DEFINITION

Humans label the examples an AI learns from.

DISCUSS

If a labeler makes mistakes, what does the model learn?

2/78

2

Human-in-the-Loop

TOOL

C

TOOL · HUMANS AND AI

ABILITY

[E] — Remove up to 2 Flags from target System.

DEFINITION

A design where a human reviews or overrides an automated decision before it takes effect.

DISCUSS

Name a task where you'd always want a human to double-check the AI.

3/78

1

Chatbot

1

2

CAP

TRU

C

SYSTEM · HUMANS AND AI

DEFINITION

A conversational agent that talks with people via text or voice.

DISCUSS

How can you tell whether you're talking to a chatbot or a real person?

4/78

3

Agent

2

2

CAP

TRU

U

SYSTEM · HUMANS AND AI

ABILITY

Fast-Tracker.

DEFINITION

An AI program that senses its environment, decides, and acts — physical (robot) or software.

DISCUSS

What's the difference between an "agent" and a simple chatbot?

5/78

1

AI Career Path

ACTION

U

ACTION · HUMANS AND AI

EFFECT

Draw a card.

DEFINITION

People work on AI as data labelers, model trainers, ethicists, and more — not just "programmers."

DISCUSS

Which AI-related job sounds most interesting to you, and why?

6/78

2

Manual Override

ACTION

C

ACTION · HUMANS AND AI

EFFECT

Target opponent's System can't Run a Task next turn.

DEFINITION

A person steps in to pause an automated process before it can act again.

DISCUSS

When should a person be allowed to override an AI's decision?

7/78

2

AI Isn't Magic

ACTION

*

ACTION · ANY DATA TYPE

EFFECT

Choose target System. It can't use abilities until its controller's next turn.

DEFINITION

AI isn't sentient or magical — it's a tool built by people.

DISCUSS

What's something people assume AI can do that it actually can't?

8/78

1

Python

TOOL

C

TOOL · HUMANS AND AI

ABILITY

[E] — Draw a card.

DEFINITION

A programming language popular for building AI models because it's readable and has huge community support.

DISCUSS

Why might a beginner-friendly language end up being what experts use too?

9/78

3

Fast-Moving Lab

3

2

CAP

TRU

R

SYSTEM · HUMANS AND AI

ABILITY

Fast-Tracked.

DEFINITION

An AI research company that races to release powerful new tools to the public quickly.

DISCUSS

What's a tradeoff of a company releasing powerful AI tools quickly?

10/70

3

Safety Lab

2

4

CAP

TRU

R

SYSTEM · HUMANS AND AI

ABILITY

Highly Trusted.

DEFINITION

An AI company that makes safety research a core part of how it builds AI systems.

DISCUSS

Should a company that builds AI also be the one checking it's safe?

11/70

3

AI Assistant

2

3

CAP

TRU

U

SYSTEM · HUMANS AND AI

ABILITY

Highly Trusted.

DEFINITION

A conversational AI built to help people with writing, questions, and analysis.

DISCUSS

What would you want to double-check before trusting a chatbot's answer?

12/70

3

Viral App

3

2

CAP

TRU

C

SYSTEM · HUMANS AND AI

ABILITY

Fast-Tracked.

DEFINITION

An AI chatbot app that spread to millions of people faster than almost any app before it.

DISCUSS

Why might a chatbot become popular faster than almost any app before it?

13/70

2

Built-in AI

2

2

CAP

TRU

C

SYSTEM · HUMANS AND AI

DEFINITION

An AI assistant built right into search, email, and other apps people already use every day.

DISCUSS

What's different about an AI built into apps you already use daily?

14/70

2

Defunct

2

2

CAP

TRU

U

ACTION · HUMANS AND AI

EFFECT

Discard target Tool. If it's a Legacy Tool, draw a card.

DEFINITION

A company, product, or service that has shut down and no longer exists.

DISCUSS

What happens to your data when an app you use shuts down?

15/70

1

Abstraction

1

2

CAP

TRU

C

SYSTEM · REP. & REASONING

DEFINITION

A representation that keeps some features and leaves others out.

DISCUSS

If you drew a map of your school, what would you leave out?

16/70

2

Feature Vector

2

2

CAP

TRU

C

TOOL · REP. & REASONING

ABILITY

[E] — Look at the top 2 cards of your deck. Put one into your hand, the other on the bottom.

DEFINITION

A list of numbers encoding an object's key traits so an algorithm can use them.

DISCUSS

What 3 "features" would you use to describe your favorite animal to a computer?

17/70

2

Classifier

2

2

CAP

TRU

C

SYSTEM · REP. & REASONING

DEFINITION

A model that sorts input into categories, like spam vs. not-spam.

DISCUSS

What's something in your life that gets automatically "classified" for you?

18/70

2

Predictor

3

1

C

SYSTEM · REP. & REASONING

DEFINITION

A model that outputs a continuous value, like estimating a house's price.

DISCUSS

What would you want an AI to predict for you, if it could?

19/78

2

Recommender

3

1

C

SYSTEM · REP. & REASONING

DEFINITION

A model that suggests items based on what similar users liked.

DISCUSS

Has a recommendation ever felt "too accurate"? Why might that happen?

28/78

3

Decision Tree

2

4

U

SYSTEM · REP. & REASONING

ABILITY

Highly Trusted.

DEFINITION

A series of yes/no tests that leads to a decision — explainable step by step.

DISCUSS

Sketch a 3-question decision tree for what to eat for lunch.

21/78

3

Search Tree

3

3

R

SYSTEM · REP. & REASONING

ABILITY

Whenever this System Runs a Task, look at the top 3 cards of your deck; put one into your hand.

DEFINITION

A branching map of possible moves an AI explores to find the best one, like in tic-tac-toe.

DISCUSS

Why might exploring every possible move become impossible for a more complex game?

22/78

1

Ambiguous Input

⚡

ACTION

C

ACTION · REP. & REASONING

EFFECT

Target opponent's System can't Run a Task next turn.

DEFINITION

Poorly represented or unclear data makes it hard for an AI system to act reliably.

DISCUSS

Why might unclear instructions make an AI "freeze up" or give a bad answer?

23/78

2

Discontinued

⚡

ACTION

U

ACTION · REP. & REASONING

EFFECT

Discard target Tool. If it's a Legacy Tool, draw a card.

DEFINITION

A product or service that is no longer made or supported, even if some people still use it.

DISCUSS

Why might a company warn people before it stops supporting a feature?

24/78

1

Sensor

1

2

C

SYSTEM · MACHINE LEARNING

DEFINITION

Hardware that turns a physical signal (light, sound) into data a computer can use.

DISCUSS

What sensors does your phone have, and what does each one "sense"?

25/78

2

Training Data

⚡

ACTION

C

ACTION · MACHINE LEARNING

EFFECT

Big Data 2 (or pay by turning a Cost 2+ System sideways). Put the top 2 cards of your deck into your Training Set face-down.

DEFINITION

The examples a model learns from before it's used.

DISCUSS

Why would a model trained only on cat photos fail to recognize dogs?

26/78

1

Bias in Data

⚡

ACTION

C

ACTION · MACHINE LEARNING

EFFECT

Target opponent's System gets +1 Flag.

DEFINITION

A systematic skew in a dataset that leads to unfair or inaccurate outputs.

DISCUSS

Can you think of a dataset that might accidentally leave a group out?

27/78

2

Supervised Learning

3

CAP

3

TRU

C

SYSTEM · MACHINE LEARNING

DEFINITION

Training a model on labeled examples so it learns to match inputs to known answers.

DISCUSS

Why does supervised learning need humans to label the answers first?

28/78

2

Neural Network

4

CAP

2

TRU

U

SYSTEM · MACHINE LEARNING

DEFINITION

Many simple processing units organized to jointly solve a complex problem.

DISCUSS

Neural networks are inspired by brains — how are they different from real ones?

29/78

5

Large Language Model

5

CAP

2

TRU

R

SYSTEM · MACHINE LEARNING

ABILITY

Fast-Tracker.

DEFINITION

A neural network trained on massive text data, used for chat, writing, and more.

DISCUSS

Why might an LLM sound confident even when it's wrong?

30/78

4

Reinforcement Learning

3

CAP

2

TRU

U

SYSTEM · MACHINE LEARNING

ABILITY

Whenever this System is Deprecated, gain 1 Token.

DEFINITION

A model learns by trial and error, guided by a reward signal instead of labeled answers.

DISCUSS

What's a game where trial-and-error is exactly how you'd learn to play well?

31/78

2

Retraining Pause

⚡

ACTION

C

ACTION · MACHINE LEARNING

EFFECT

Target opponent's System can't Run a Task next turn.

DEFINITION

A model taken offline for retraining can't be used again until the update finishes.

DISCUSS

Why do AI companies periodically retrain or update their models?

32/78

1

Neuron

1

CAP

2

TRU

C

SYSTEM · MACHINE LEARNING

DEFINITION

The smallest processing unit in a neural network — many of them together form the whole model.

DISCUSS

How is one neuron different from the whole Neural Network card?

33/78

1

Tensor

🔧

TOOL

C

TOOL · MACHINE LEARNING

ABILITY

[E] — Look at the top card of your deck. You may put it on the bottom.

DEFINITION

A multi-dimensional grid of numbers — the basic data structure nearly every AI model computes with.

DISCUSS

Why might a model need numbers arranged in a grid instead of a list?

34/78

2

CUDA

🔧

TOOL

C

TOOL · MACHINE LEARNING

ABILITY

[E] — Target System gets +1 Capability until end of turn.

DEFINITION

A platform that lets AI models run on graphics chips (GPUs), training far faster than on a regular computer.

DISCUSS

Why would training a huge model need special, faster hardware?

35/78

2

ImageNet

⚡

ACTION

U

ACTION · MACHINE LEARNING

EFFECT

Big Data 3 (or pay by turning a Cost 3+ System sideways). Put the top 3 cards of your deck into your Training Set face-down.

DEFINITION

A massive labeled image dataset that helped launch the modern boom in computer vision.

DISCUSS

Why did one giant, carefully labeled dataset change what AI could do?

36/78

2

GAN

3

CAP

1

TRU

U

SYSTEM · MACHINE LEARNING

ABILITY

Adversarial.

DEFINITION

Two networks compete: one makes fakes, the other tries to catch them.

DISCUSS

Why might two competing AIs both get better?

37/78

2

Diffusion Model

3

CAP

2

TRU

U

SYSTEM · MACHINE LEARNING

ABILITY

Whenever this System Runs a Task, remove 1 Flag from it.

DEFINITION

A model that generates images by starting with noise and gradually refining it into a picture.

DISCUSS

How is starting from random noise different from drawing from scratch?

38/78

2

Unsupervised Learning

3

CAP

2

TRU

U

SYSTEM · MACHINE LEARNING

ABILITY

Whenever this System Runs a Task, look at the top 2 cards of your deck; you may rearrange them.

DEFINITION

Training a model to find patterns in data with no labels.

DISCUSS

How could a computer sort things without being told the categories?

39/78

4

Transformer

4

CAP

2

TRU

R

SYSTEM · MACHINE LEARNING

ABILITY

Attention. Whenever this System Runs a Task, look at the top 2 cards of your deck; put one into your hand.

DEFINITION

A neural network design that weighs which parts of the input matter most — the architecture behind most modern LLMs.

DISCUSS

Why might "paying attention" to the right words matter for a good answer?

40/78

3

GPT

3

CAP

2

TRU

U

SYSTEM · MACHINE LEARNING

ABILITY

Whenever this System Runs a Task, draw a card, then discard a card.

DEFINITION

An LLM pre-trained on huge amounts of text.

DISCUSS

GPT means Generative Pre-trained Transformer. Why pre-train?

41/78

3

GPU

TOOL

U

TOOL · MACHINE LEARNING

ABILITY

[E] — A System you deployed this turn can Run a Task or Run an Audit this turn.

DEFINITION

A graphics processing unit: a chip that does thousands of calculations at once, which makes training AI much faster.

DISCUSS

Why would a chip built for video games end up powering AI?

42/78

1

CPU

TOOL

C

TOOL · MACHINE LEARNING

ABILITY

[E] — Draw a card, then discard a card.

DEFINITION

A computer's central processing unit: the general-purpose chip that runs a program's steps one after another.

DISCUSS

Why might a general-purpose chip be slower for AI than a specialized one?

43/78

2

RAM

TOOL

C

TOOL · MACHINE LEARNING

ABILITY

[E] — Put an Action card from your discard pile on top of your deck.

DEFINITION

A computer's short-term memory, holding the data a program is working with right now.

DISCUSS

What happens to what's in a computer's memory when the power goes off?

44/78

2

Embedding

2

CAP

3

TRU

C

SYSTEM · MACHINE LEARNING

DEFINITION

Turning words or images into numbers so similar things end up close together.

DISCUSS

Which words would an AI place close to "dog"?

45/78

3

Fine-Tuning

2

3

2

CAP

3

TRU

U

SYSTEM

MACHINE LEARNING

DEFINITION

Training an existing model a little more on a smaller set of examples to make it a specialist.

DISCUSS

What would you fine-tune an AI to be really good at?

46/78

2

Outdated

2

3

2

CAP

3

TRU

U

ACTION

MACHINE LEARNING

EFFECT

Discard target Tool. If it's a Legacy Tool, draw a card.

DEFINITION

A model trained on old data that no longer reflects how things are now.

DISCUSS

Why might an AI trained years ago give wrong answers about today?

47/78

2

Fairness Check

2

3

2

CAP

3

TRU

C

TOOL

ETHICAL AI DESIGN

ABILITY

[E] — Put 1 Flag on target System whose Capability is higher than its Trust.

DEFINITION

Evaluating whether an AI system's decisions are fair to everyone affected.

DISCUSS

Whose idea of "fair" should count when people disagree?

48/78

2

Bias Audit

1

4

1

CAP

4

TRU

C

SYSTEM

ETHICAL AI DESIGN

ABILITY

Highly Trusted.

DEFINITION

A deliberate review of a dataset or model to find and reduce unfair skew.

DISCUSS

If you found bias in a model, what's the first thing you'd check?

49/78

1

Model Card

1

4

1

CAP

4

TRU

C

TOOL

ETHICAL AI DESIGN

ABILITY

Once per game, you may remove all Flags from a System you control instead of it being Deprecated.

DEFINITION

A document describing an AI model's training, performance, and limitations — like a nutrition label.

DISCUSS

Why might a company be reluctant to publish a model card?

50/78

2

Explainability

1

4

1

CAP

3

TRU

C

SYSTEM

ETHICAL AI DESIGN

DEFINITION

An AI's ability to justify its decision by pointing to the features that led to it.

DISCUSS

Should self-driving cars be required to explain every decision? Why?

51/78

2

Privacy Shield

2

4

2

CAP

4

TRU

U

TOOL

ETHICAL AI DESIGN

ABILITY

Systems you control can't be targeted by opponents' Action cards.

DEFINITION

Design practices that protect personal data used to train or run an AI system.

DISCUSS

What personal data would you not want used to train an AI, even anonymized?

52/78

2

Accountability

2

4

2

CAP

4

TRU

U

SYSTEM

ETHICAL AI DESIGN

DEFINITION

Who is responsible when an AI system causes harm — the designer, the user, or the company.

DISCUSS

If a self-driving car crashes, who should be held responsible?

53/78

4

Ethical Framework

2

5

2

CAP

5

TRU

R

SYSTEM

ETHICAL AI DESIGN

ABILITY

Highly Trusted.

DEFINITION

A structured set of criteria (fairness, safety, transparency...) used to evaluate an AI system.

DISCUSS

Pick one value (fairness, privacy, safety) — which matters most to you, and why?

54/78

2

Compliance Review

⚡ ACTION

C

ACTION · ETHICAL AI DESIGN

EFFECT

Target opponent's System can't Run a Task next turn.

DEFINITION

A formal check to confirm an AI system meets required standards before it keeps operating.

DISCUSS

Should a company have to pause an AI system while it's being investigated for bias?

55/70

4

Mandatory Recall

⚡ ACTION

R

ACTION · ETHICAL AI DESIGN

EFFECT

None of your opponent's Systems can Run a Task next turn (including ones they deploy that turn).

DEFINITION

When an AI system is found unsafe, regulators can require it be pulled from use until it's fixed.

DISCUSS

Should the government be able to shut down an unsafe AI product?

56/70

3

Informed Consent

2 CAP 3 TRU

U

SYSTEM · ETHICAL AI DESIGN

DEFINITION

Asking people for clear permission before their data is used to train or run an AI.

DISCUSS

Would you let an app train AI on your photos? What would you need to know?

57/70

3

Red Teaming

2 CAP 4 TRU

U

SYSTEM · ETHICAL AI DESIGN

ABILITY

Adversarial.

DEFINITION

Testers who try on purpose to make an AI fail, so problems get fixed before release.

DISCUSS

If you were testing a chatbot, how would you try to trick it?

58/70

2

Expired

⚡ ACTION

U

ACTION · ETHICAL AI DESIGN

EFFECT

Discard target Tool. If it's a Legacy Tool, draw a card.

DEFINITION

Permission or approval that has run out and must be renewed before it counts again.

DISCUSS

Should permission to use your data run out after a while? Why?

59/70

1

AI in Daily Life

1 CAP 2 TRU

C

SYSTEM · SOCIETAL IMPACTS

DEFINITION

AI already shapes recommendations, searches, and filters in everyday products.

DISCUSS

List 3 places AI touched your day today, before this game.

60/70

2

Deepfake

3 CAP 1 TRU

C

SYSTEM · SOCIETAL IMPACTS

DEFINITION

Synthetic media generated to convincingly show something that didn't happen.

DISCUSS

How could you check whether a video is real before sharing it?

61/70

2

Job Disruption

⚡ ACTION

C

ACTION · SOCIETAL IMPACTS

EFFECT

Target opponent's System can't Run a Task next turn.

DEFINITION

AI can automate some tasks, changing which jobs exist or what skills they require.

DISCUSS

Name a job you think AI can't replace, and explain why.

62/70

1

Environmental Footprint

⚡ ACTION

C

ACTION · SOCIETAL IMPACTS

EFFECT

Each player discards the top card of their Training Set.

DEFINITION

Training and running large AI models consumes significant energy and water.

DISCUSS

Would knowing an AI's energy cost change how often you'd use it?

63/70

2

Data Privacy Trade-off

2

CAP

1

TRU

C

SYSTEM · SOCIETAL IMPACTS

DEFINITION

Using a "free" AI tool often means trading personal data for convenience.

DISCUSS

What's a "free" app you use that's probably paid for with your data?

64/78

2

Regulation Debate

2

CAP

1

TRU

U

ACTION · SOCIETAL IMPACTS

EFFECT

Choose one: each player may Train an extra card this turn; or target System can't be Audited this turn.

DEFINITION

Ongoing public debate over what laws should govern how AI is built and used.

DISCUSS

Should there be an age limit on using generative AI tools? Why or why not?

65/78

3

Digital Divide

1

CAP

3

TRU

R

SYSTEM · SOCIETAL IMPACTS

ABILITY

This System's Tokens can't be reduced by opponents' abilities.

DEFINITION

Unequal access to AI tools and AI education across different communities.

DISCUSS

If AI tools cost money, who might get left behind?

66/78

1

Cognitive Offload

2

CAP

1

TRU

C

ACTION · SOCIETAL IMPACTS

EFFECT

Draw a card, then discard a card.

DEFINITION

Relying on AI to think, remember, or decide for you — convenient, but a skill you may stop practicing.

DISCUSS

What's something you'd lose if you let AI always do it for you?

67/78

3

Data Center

2

CAP

3

TRU

U

SYSTEM · SOCIETAL IMPACTS

ABILITY

Whenever this System Runs a Task, discard the top card of your Training Set.

DEFINITION

A building full of computers that run AI.

DISCUSS

Should towns welcome data centers that use lots of water?

68/78

2

Obsolete

2

CAP

1

TRU

U

ACTION · SOCIETAL IMPACTS

EFFECT

Discard target Tool. If it's a Legacy Tool, draw a card.

DEFINITION

Technology that's been replaced by something newer and is no longer supported.

DISCUSS

What's a gadget your family used to use that's now obsolete?

69/78

3

Alignment

2

CAP

5

TRU

S

SYSTEM · ANY DATA TYPE

ABILITY

Whenever this System Runs a Task, remove 1 Flag from another System you control.

DEFINITION

Making sure an AI system's goals match what people actually want it to do.

DISCUSS

If you built an AI helper, what rules would you give it first?

70/78