

Artificial Intelligence: Serious Topic, Playful Workshop

Stay curious • Experiment • Question

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Today we will surprise our brains

But first: what is AI to you?

QUICK ROUND ⚡

What comes to mind when you hear AI?

A

Robots

B

ChatGPT

C

All of that + more

SHOW OF HANDS

Which AI tool do you use most often?

ChatGPT

Gemini

Copilot

Another tool

No perfect answer — share your real experience.

SHOW OF HANDS

How often do you use AI?

Every day

A few times a week

Occasionally

Not yet

No perfect answer — share your real experience.



AI is not “a machine that thinks like us”

Usually, it is a pattern-finding system



Human intelligence ≠ Artificial intelligence



**Meaning • intention •
experience**



**Data • patterns •
prediction**



AI was already part of our lives

Its name just was not on the screen



The invisible AI in daily life



**Recommendations •
routes • spam**



**Cameras • translation •
search**



Netflix and YouTube use AI too

Recommendation systems personalize what appears next



How recommendations work



**Your activity becomes
signals**



**AI ranks what you may
enjoy next**

Why did the algorithm recommend that?

What you watched

Similar viewers

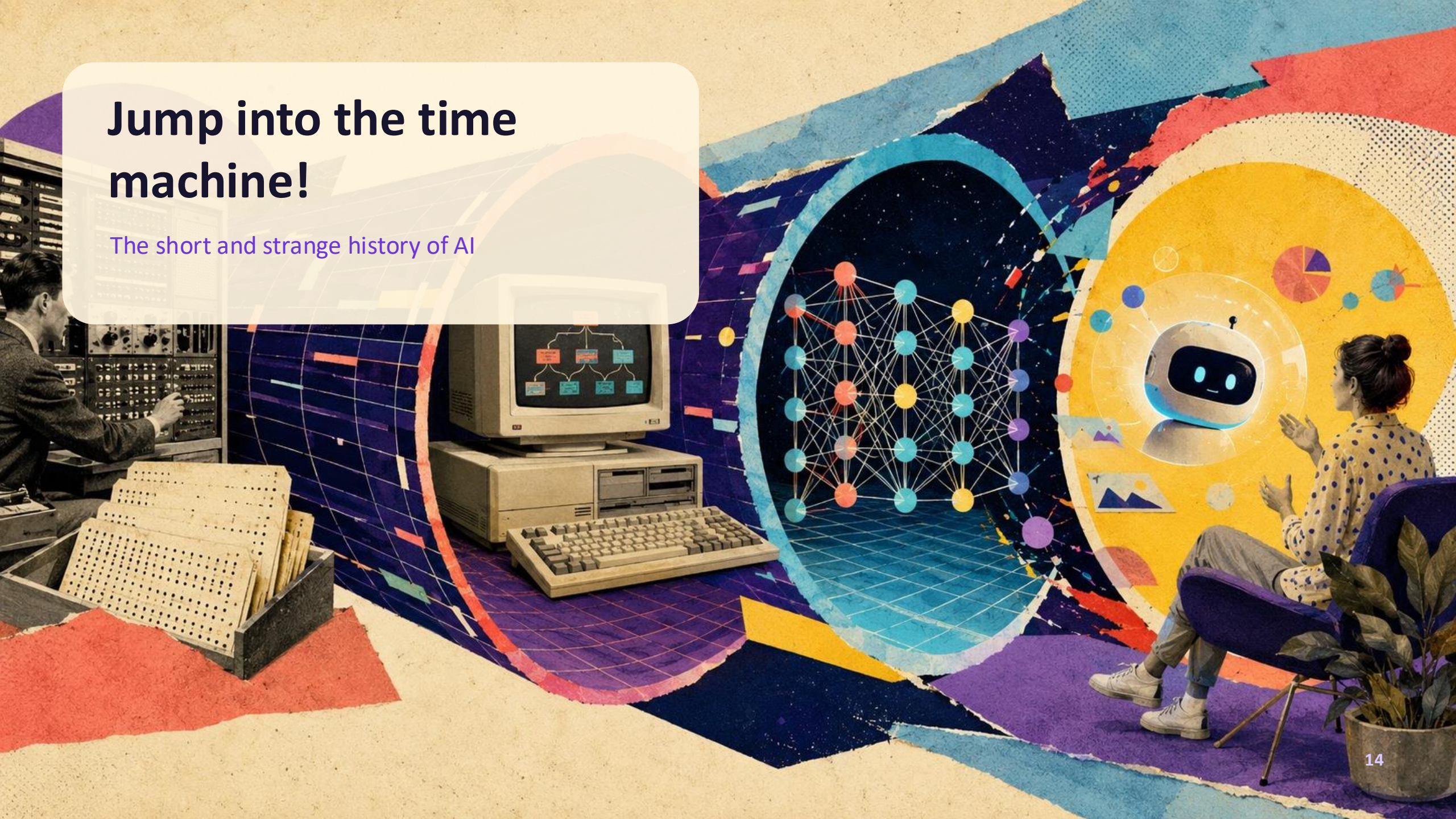
What is trending

A mix of signals

No perfect answer — share your real experience.

Jump into the time machine!

The short and strange history of AI





1950: “Can machines think?”

Alan Turing posed the question





1956: AI got its name

The Dartmouth workshop





The 1960s: Big expectations

Computers will talk! (Maybe...)

WATCH & DISCUSS 

Young Sheldon meets ELIZA

Young Sheldon — Season 1, Episode 12

Does ELIZA understand Sheldon — or mirror his words?

[WATCH CLIP ↗](#)



ELIZA (1966): Conversation without understanding

It matched patterns and followed scripted rules

Is a chatbot AI?



**Rule-based chatbot:
scripted paths**



**AI chatbot: language
models + prediction**



Every AI chatbot is a chatbot

But not every chatbot is an AI chatbot



WATCH & DISCUSS 

The Turing Test

Ex Machina — Official A24 clip

If a machine seems human, does that prove intelligence?

[WATCH CLIP ↗](#)

HAL 9000: Trusting an AI with control

2001: A Space Odyssey

What decisions should never be fully automated?

[WATCH CLIP ↗](#)



Cartoons imagined AI before it was everywhere

But not every “smart” character is artificial intelligence



WATCH & DISCUSS 

Genie: AI — or magic?

Aladdin — “Friend Like Me”

He follows requests and generates results... but is he technology?

[WATCH CLIP ↗](#)



Genie is NOT AI in the story

He is a magical character — a useful comparison, not a machine



Rosie the Robot

The Jetsons — “Rosey the Robot” (1962)

What parts of today’s smart home did this cartoon predict?

[WATCH CLIP ↗](#)

WALL-E: More than a machine?

WALL-E — official Pixar clip

Are emotions required for intelligence?

[WATCH CLIP ↗](#)

WATCH & DISCUSS 

Baymax: AI as a caring assistant

Big Hero 6 — official clip

Should an AI assistant follow every request?

[WATCH CLIP ↗](#)

Which character feels closest to today's AI?

Genie

Rosie

WALL-E

Baymax

No perfect answer — share your real experience.



1970–90: The AI winters

Big promises • limited computing





1997: Deep Blue beat the chess champion

Extraordinary at one narrow task





2012: Deep learning took off

More data + powerful GPUs





2022: Generative AI entered the spotlight

Text, images, audio... in one box



QUICK ROUND ⚡

Which one is generative AI?

A

A spam filter

B

**A model creating a
new song**

C

A calculator

So how does it “learn”?

It sees examples and extracts patterns





Data = examples

Model = pattern machine



Training and use are different



**Training: millions of
examples**



Use: one new prediction



The model does not “know” — it predicts

It chooses the next likely piece



QUICK ROUND ⚡

How does AI recognize a cat photo?

A

It loves cats

B

It matches patterns

C

It asks the internet

When do you trust an AI answer?

Immediately

**After checking
sources**

**After asking an
expert**

It depends

No perfect answer — share your real experience.



Mistakes are part of the system

Confident $\neq$ correct





Hallucination Detective

Can you catch a confident mistake?

WATCH & DISCUSS 

Why does AI make things up?

IBM Technology — play the first 60–90 seconds

Listen for one reason hallucinations happen.

[WATCH CLIP ↗](#)



An AI hallucination sounds plausible

But the claim is false, misleading, or unsupported





AI OUTPUT — FIND THE RED FLAGS

“A 2019 Stanford study found that AI improves memory by exactly 73%.”



What makes it suspicious?



Exact statistic • vague study



No author • no link • no evidence



The detective routine

CLAIM → SOURCE → CROSS-CHECK → DECIDE



What should you do with an unsupported AI claim?

Use it

Ask AI again

Verify independently

Make it less specific

Choose first — then explain your verification plan.

Two useful AI modes



Prediction: “What comes next?”



Generation: “What can be new?”



Generative AI is a remix artist

It builds new outputs from learned patterns





A prompt is not a magic spell

It is a clear creative brief



Weak prompt / Strong prompt



**“Write something for
me”**



**Role + goal + context +
format**



The prompt formula

ROLE + TASK + CONTEXT + LIMITS



Which prompt is stronger?

A

Explain AI

B

Explain AI to a 12-year-old using 3 analogies

C

Explain absolutely everything



Mini challenge

Ask the same question three different ways

①

Round 1: Short prompt

Observe the output



②

Round 2: Add context

For whom? For what purpose?

③

Round 3: Request a format

A list? A story? A table?





Now compare

What changed? Why?



What task would you NEVER delegate completely to AI?

**A high-stakes
decision**

Personal advice

Creative judgment

Something else

No perfect answer — share your real experience.

AI superpowers



**Speed • variety • first
drafts**



**Summaries • ideas •
transformations**

AI blind spots



Misinformation • bias



**Privacy • unclear
sources**

What information should never go into a public AI tool?

Names & identities

**Health or student
data**

Passwords

All of these

No perfect answer — share your real experience.

Does AI help us think — or help us avoid thinking?

Mostly helps

**Mostly replaces
effort**

Both

Not sure yet

No perfect answer — share your real experience.



The golden rule

Humans think first. AI supports.



QUICK ROUND ⚡

What should you check first in an AI output?

A

Does it look good?

B

**Is it accurate and
sourced?**

C

Is it long?



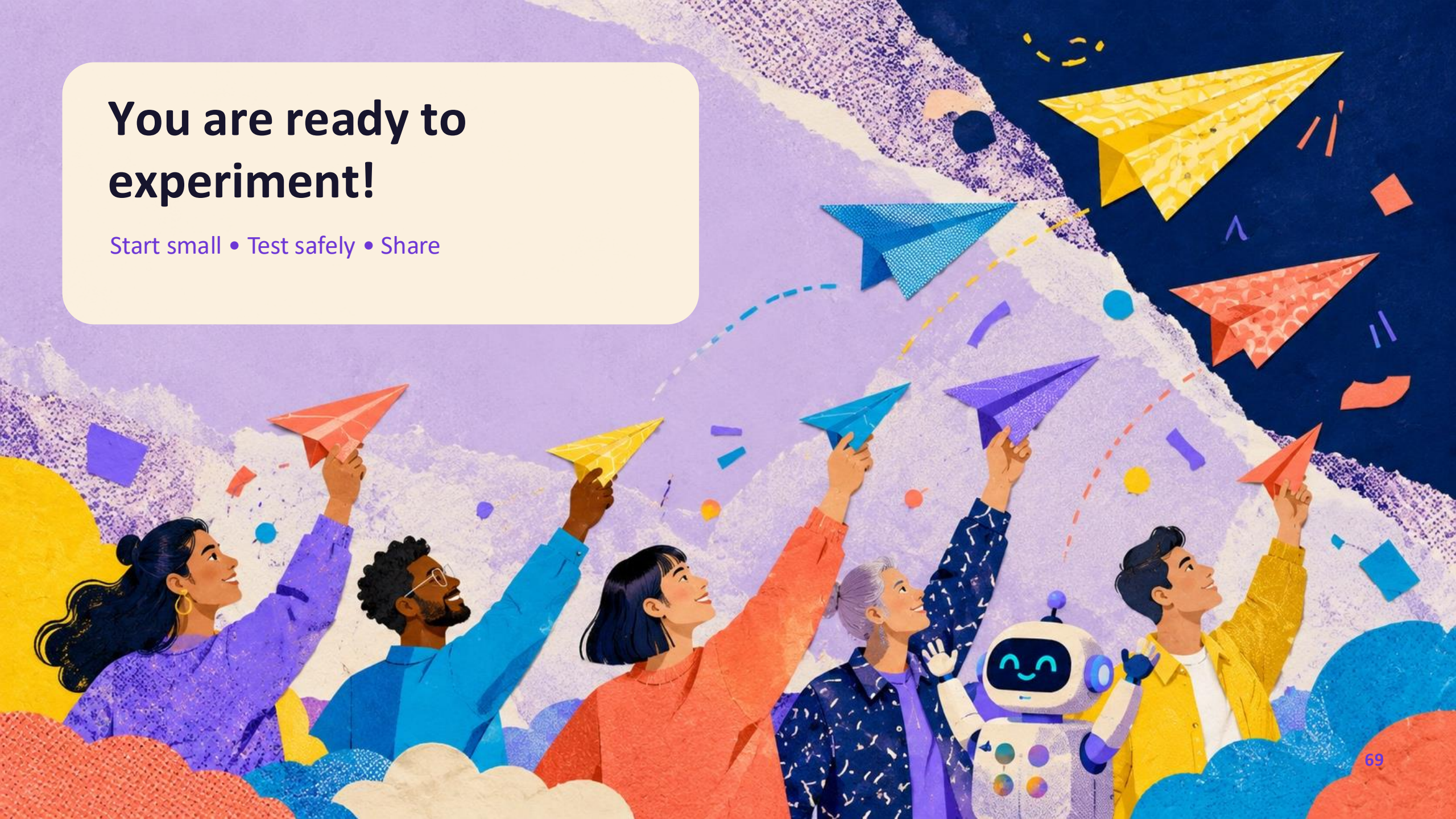
The checklist

VERIFY • EDIT • CITE



You are ready to experiment!

Start small • Test safely • Share





Exit ticket

1 thing you learned + 1 idea you will try

DON'T TRUST AI BLINDLY.

READ Read everything before you share.

KNOW Know what it says before you publish.

PAUSE If in doubt, don't share.
