

AI for Teachers' Education: **Scaling Support**

Education Shaping Futures, Addis Ababa, Nov 3, 2025
Martin De Simone

The background is a dark blue to purple gradient. It features a network of light blue circuit-like lines and dots. On the right side, there is a faint, dark silhouette of a person's head and shoulders, facing left.

1. Innovation is needed.

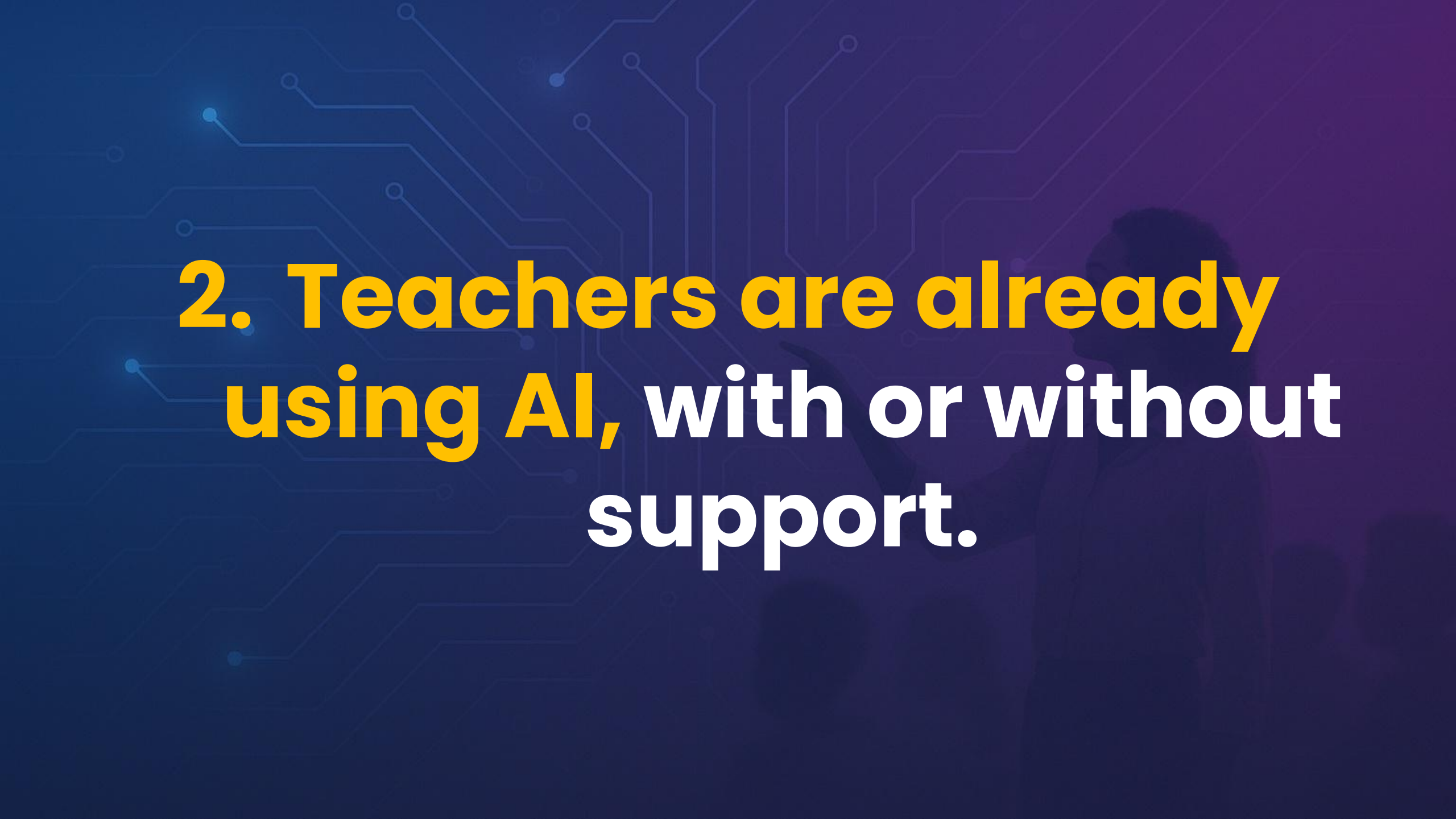
**“Business as usual”
can’t solve the problem.**

8,000

**new qualified
teachers
needed every
day in Sub-
Saharan Africa**

11%

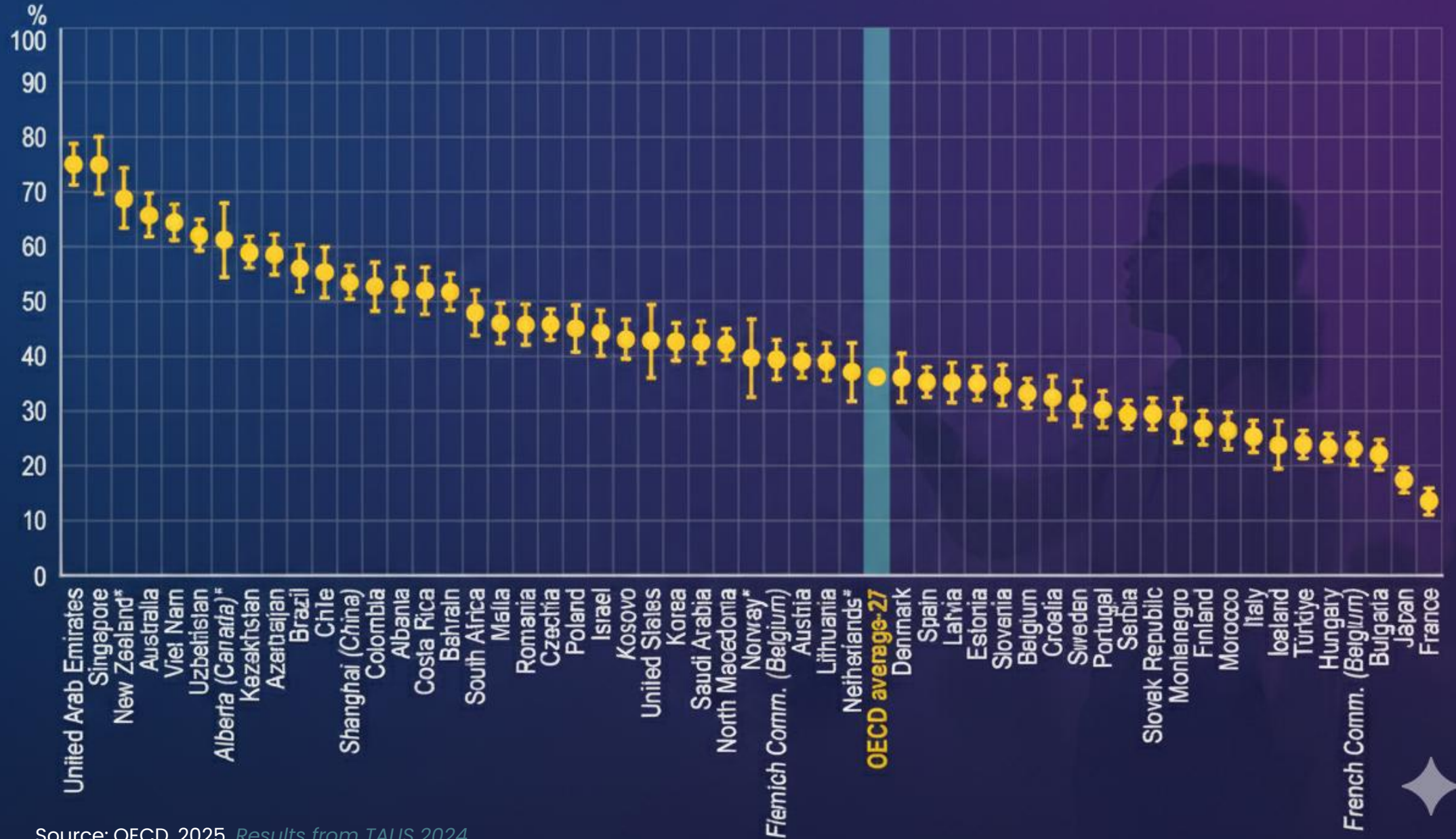
**of primary
teachers reach
a basic
threshold of
pedagogical
knowledge**

The background is a dark blue to purple gradient. It features a network of light blue circuit-like lines and dots. On the right side, there is a faint, dark silhouette of a person standing with their arms slightly out, possibly gesturing or interacting with something.

**2. Teachers are already
using AI, with or without
support.**

Percentage of lower secondary teachers who report using AI in the last year

95% Confidence intervals are shown as error bars



The background is a dark blue to purple gradient. It features a network of light blue circuit-like lines with small circular nodes. On the right side, there is a faint, dark silhouette of a person standing and gesturing with their hand, as if presenting or explaining something.

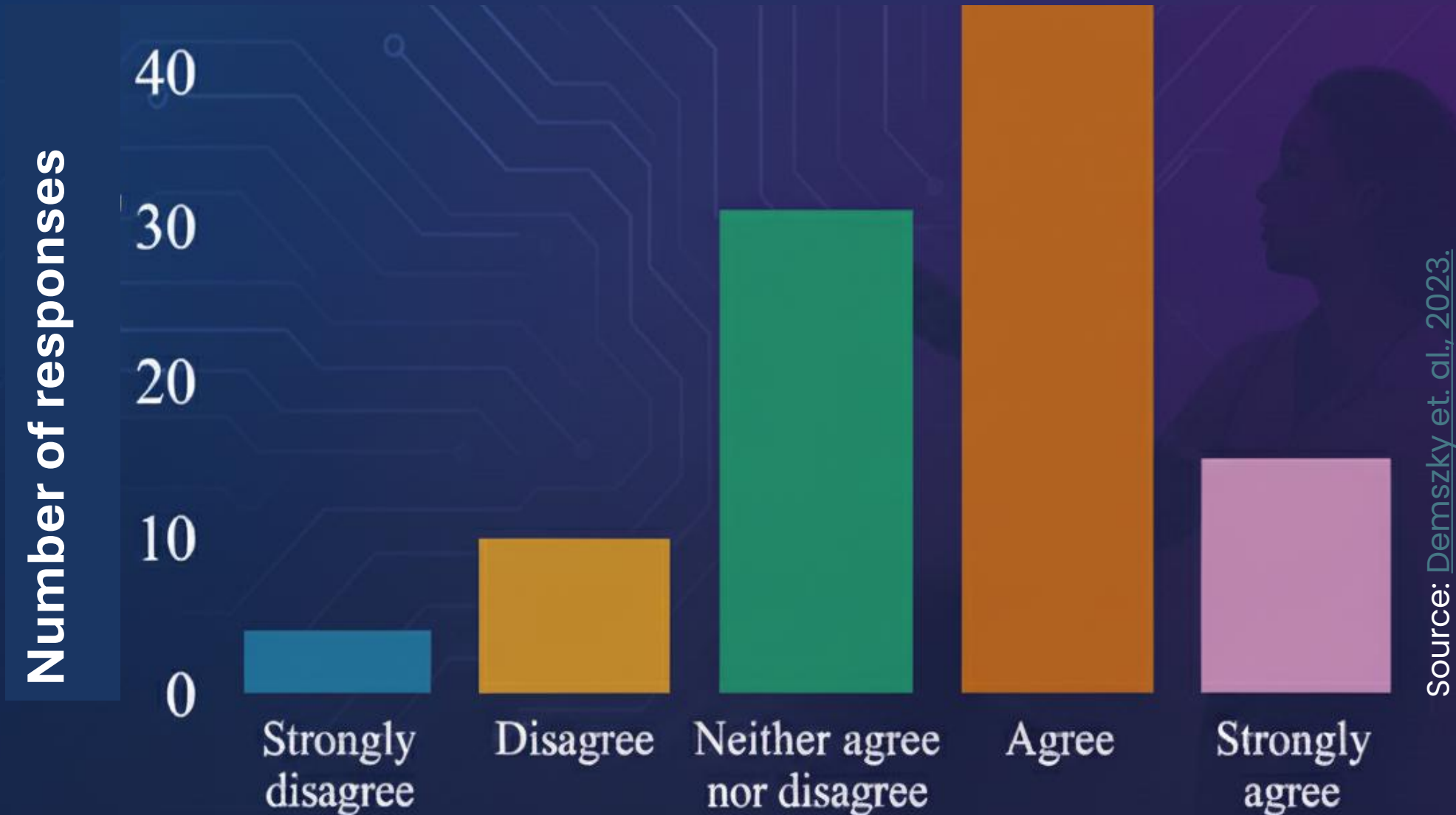
**3. There are clear use
cases for AI in teacher
training**

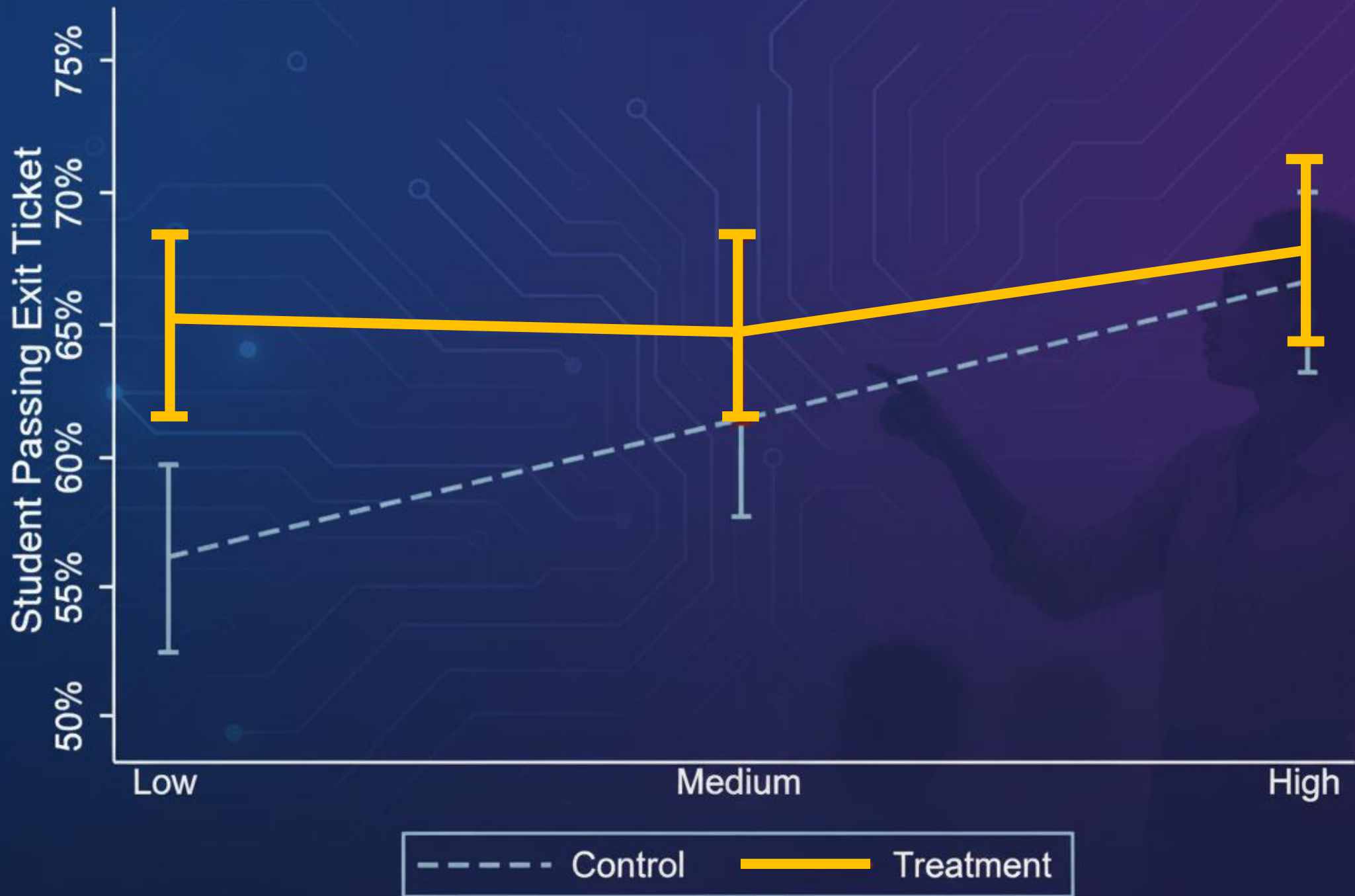
Teacher coaching

Consistently large and positive effects on instruction and achievement (Kraft et. al, 2018).

But implementation at scale is not possible

The feedback has helped me become a better teacher.





Source: [Wang et. al, 2025.](#)





AI Teaching Coach



Get instant feedback on your teaching

Welcome to AI Teaching Coach



Transform your teaching with AI-powered feedback. Record your lesson, upload a file, or paste your transcript to get detailed analysis on engagement, clarity, pacing, and more.

Choose Your Input Method

Select how you'd like to provide your teaching content for analysis



Record Audio



Upload File



Enter Text

🌐 Language for Transcription

English



Start Recording

Analysis: 7/31/2025, 10:03:28 PM



Transcript

her mother go to the market. They take a basket. The market is full of people. They buy tomatoes, onions, and bananas. Leila sees her teacher at the market. She smiles and says, "Good morning, teacher!"Ms. Alem: What day did Leila go to the market?Meron: Saturday!Ms. Alem: What did they take with them?Dawit: A basket.Ms. Alem: Can someone show me in the picture where the basket is?Ms. Alem: What is a market in Amharic?Hana: ማህበራዊ ገበያMs. Alem: Who can name three things Leila and her mother

Teach Primary Scores

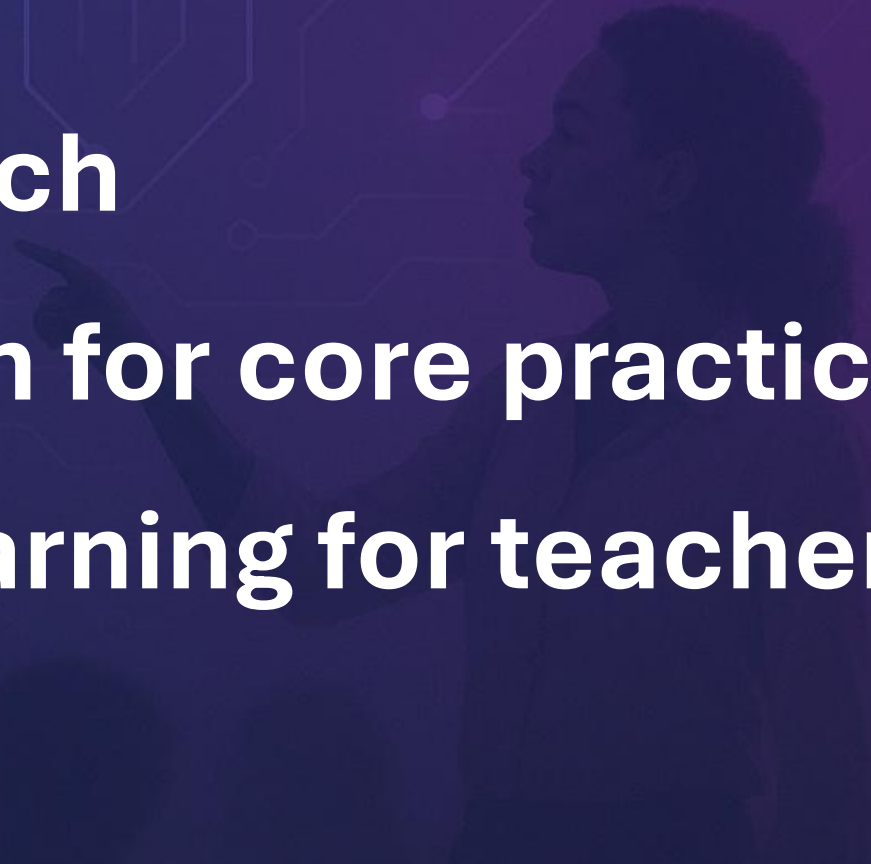
Classroom Culture

5

3

Session from:

AI can also support pre-service training

- **AI microteaching coach**
 - **Simulation classroom for core practices**
 - **AI-driven adaptive learning for teachers**
- 
- A faint, dark silhouette of a person, likely a woman, is visible on the right side of the slide. She is shown in profile, facing left, and appears to be pointing her right index finger towards the text area. The background of the slide features a dark blue to purple gradient with a subtle pattern of light blue circuit lines and dots.



bitly



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The best teacher education and professional development ensures:



Strong relationships



Peer collaboration



Teacher agency



Contextual relevance



Active learning

"I have concerns because it [AI] does not allow the learner or the person who is seeking to make personal efforts... It kills our reflection in the search for something." – teacher with 20 years of experience

“It's going to make us a lot lazy, because right now, for the lessons, we are obliged to do research on the subject you teach every day [...] But if all you have to do is take a device or a phone, you tap clean, everything comes out and [...] you haven't had the chance to master what came out” – teacher with 5 years of experience

"It automatically gives you the answer without knowing the path here." – teacher with 2 years of experience

"Artificial intelligence, in this case, it leads us to intellectual laziness, it kills creativity. You become a simple consumer. We no longer make an effort as she said, the others have produced, we consume and we use this and we repeat the same thing at the level of the children. In the end, then, we cease to be intellectuals, executives, we just become executors, thoughtless agents." – teacher with 26 years of experience

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Contextual relevance



Active learning

Is AI a realistic solution to foster these?