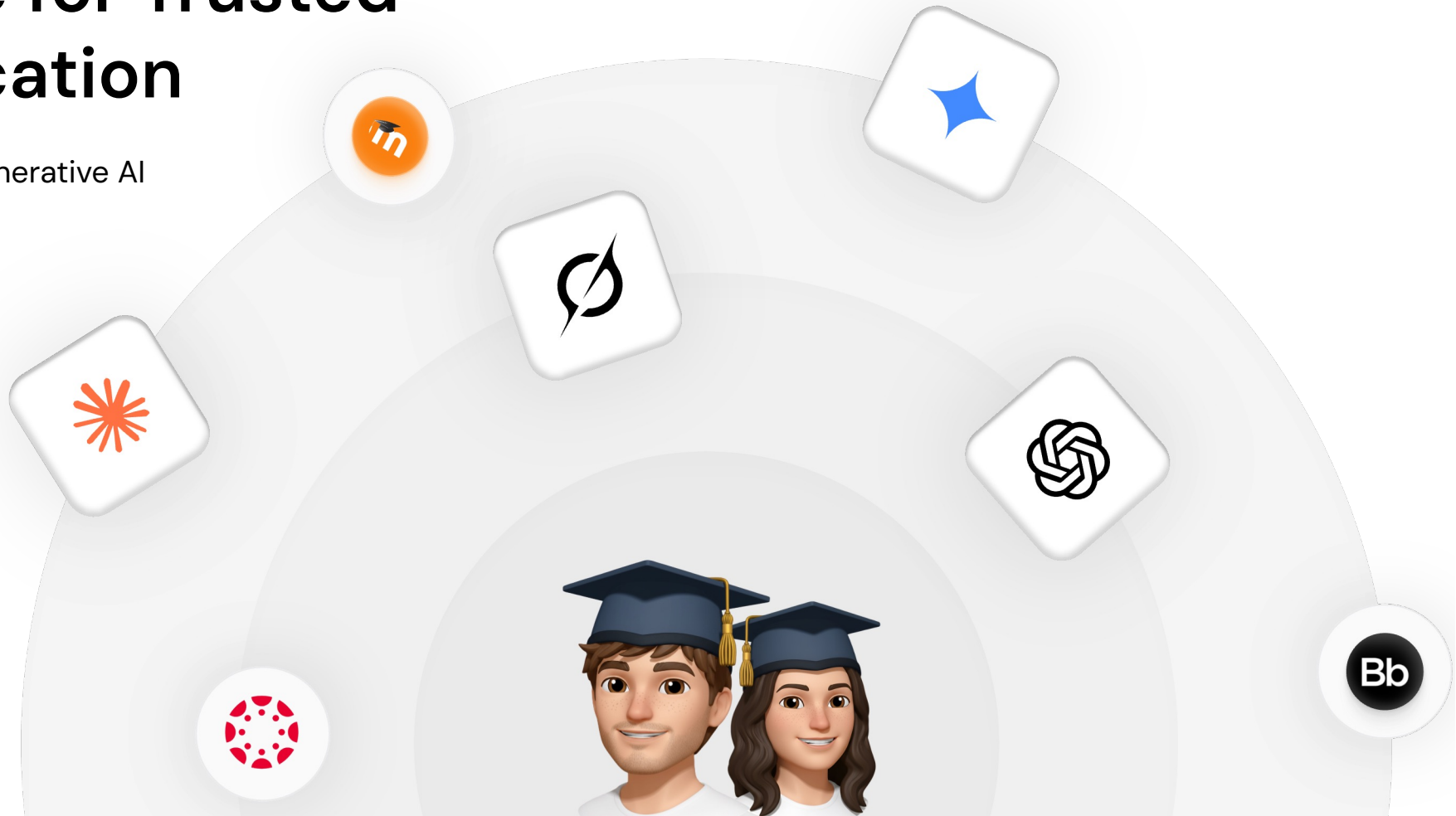
answerr

AI Infrastructure for Trusted Learning in Education

Building Institutional Confidence in Generative AI



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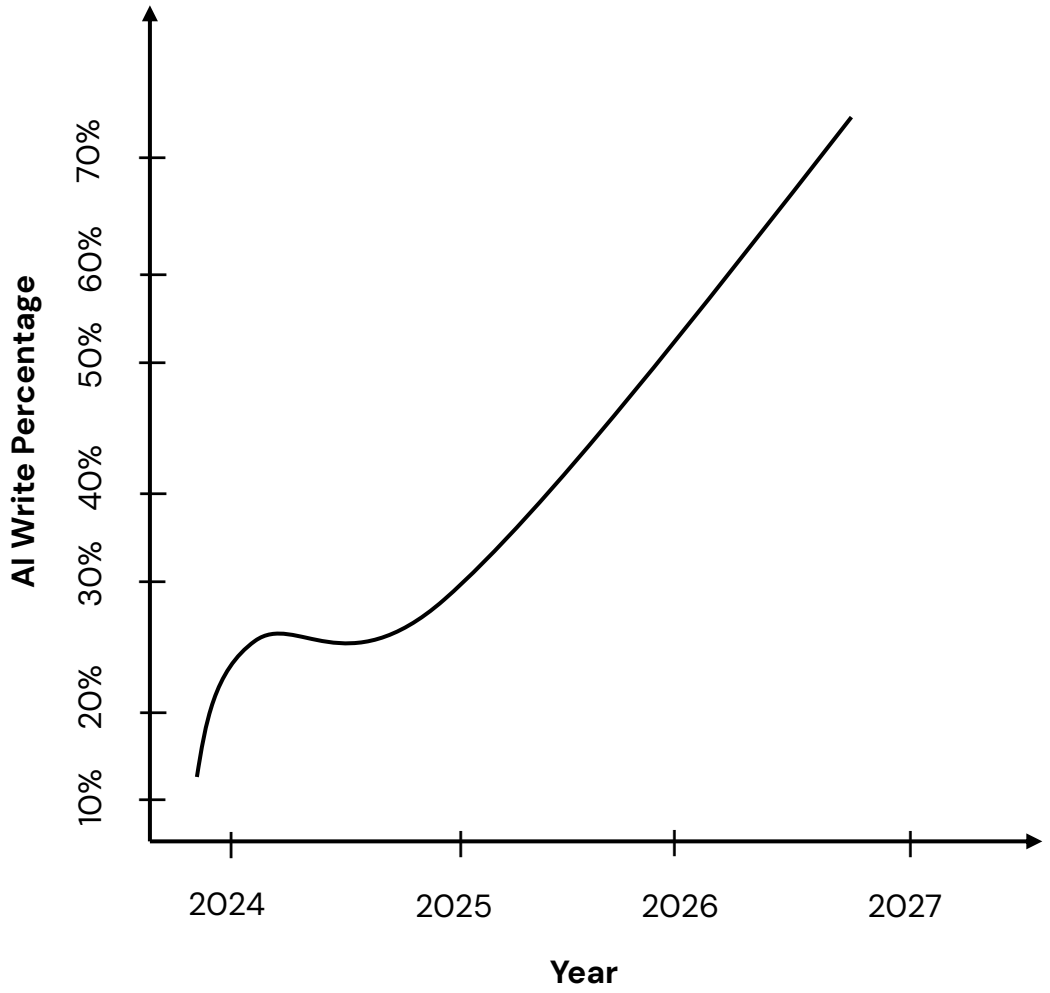
Tables of Content

Learning is changing and by

Year 2027, AI will write 80% of students work

Artsmart AI (2025). AI in Education Statistics 2025. https://artsmart.ai/blog/ai-in-education-statistics-2025/



The Trust Gap

Faculty worry: Can I trust what AI produces?

Students wonder: Am I still learning or just generating?

Administrators ask: How do we stay compliant and govern AI?

So, the real challenge isn’t about technology adoption

it’s about building trust in how we use it.

The Babson Pilot

We piloted an early AI Edtech Solution in my Alma Meter at Babson College

We wanted to explore how AI could support and enhance, not replace human learning.

The results became both a framework for **Trusted AI infrastructure** and a **working platform** called Answerr in the spring of 2025.

Three Layers of Trust

Our framework has three simple layers:

Trust Layer – AI must be equitable, explainable and transparent.

Learning Layer – AI should enhance student confidence, not diminish it.

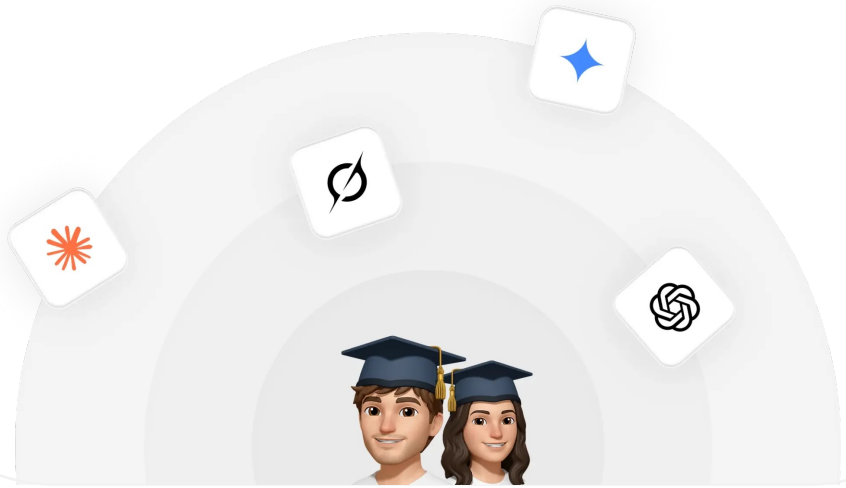
Governance Layer – Institutions must have oversight and governance.

These 3 layers became the backbone for our research.

Introducing Answerr – One Platform, 3 stakeholders

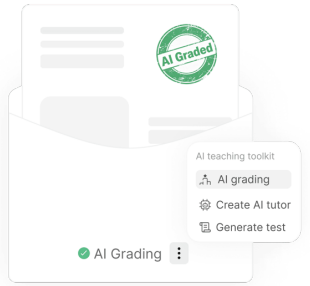
For Students

Access to multiple AI models in one place helping them learn how AI works, improve prompting , build assistants and agents, and even create their own AI products using unified APIs.



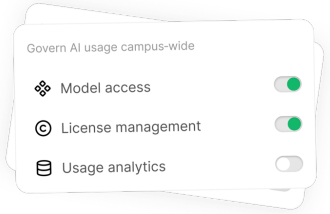
For Educators

Learning Provenance Metrics on how students interact with AI with abilities to **create 24/7 AI tutors**, **Grade with AI** and **create standardized test papers**



For Institutions

AI governance and **compliance** (FERPA and COPPA compliant) to safely manage AI adoption at scale.



Research Findings – Faculty

Faculty began to see **patterns** of Engagement

1- Raw Data Inputs
2- Query Analysis
3- Engagement
4- Learning Progress

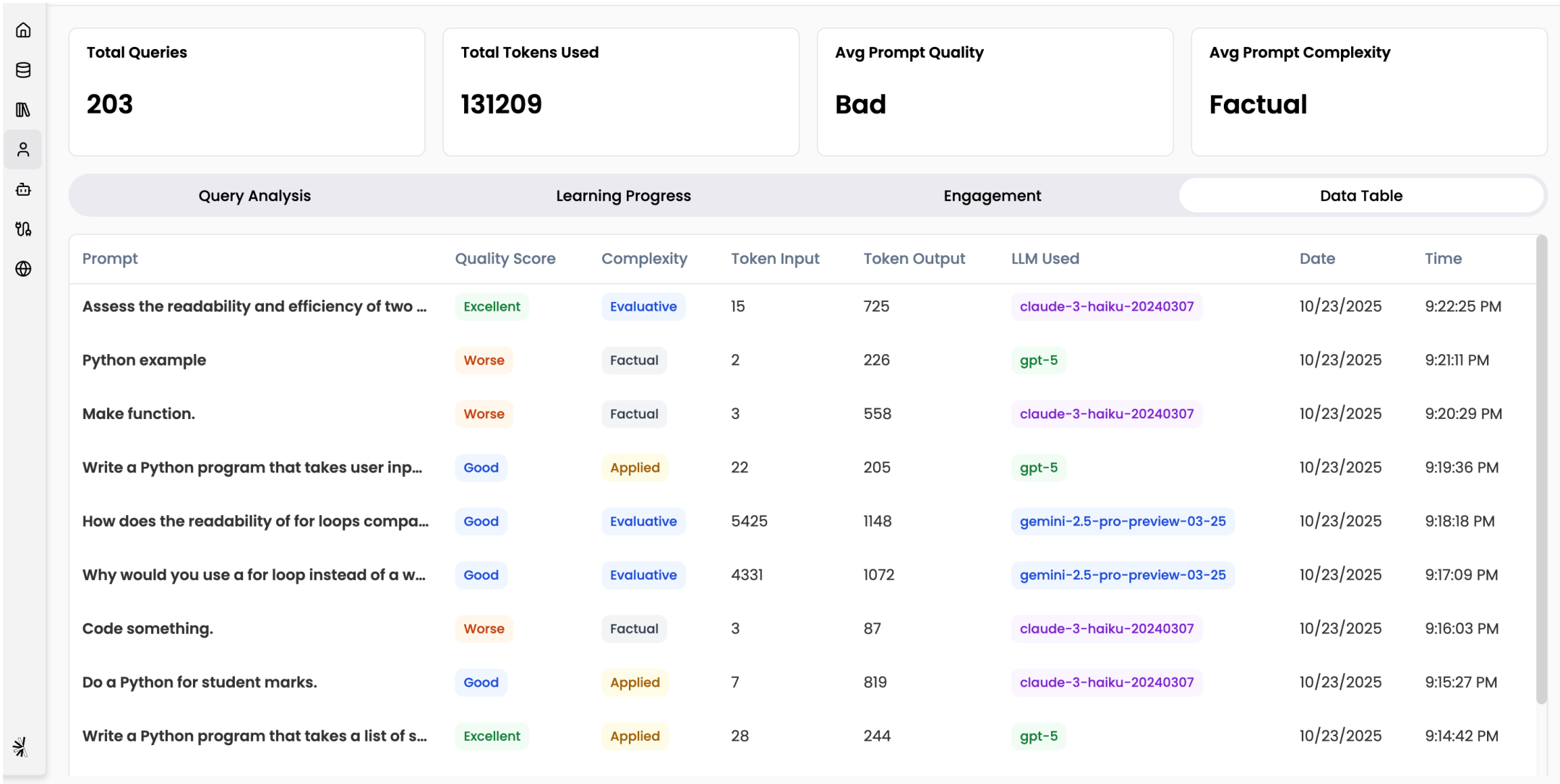
Now they could understand how students explored ideas with AI, not just access the answers they produced.

2 → 4.5

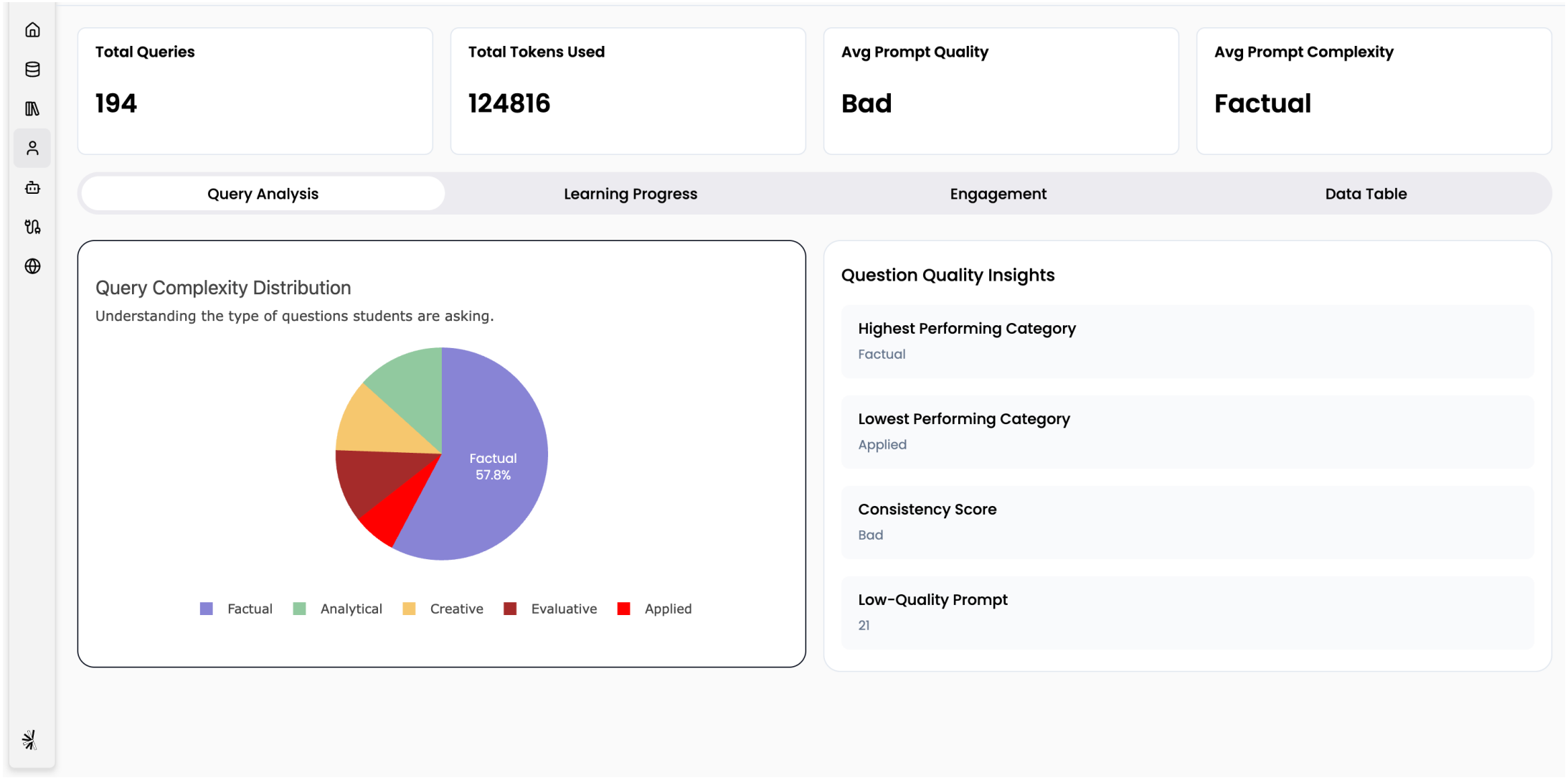
(Score out of 5)

Faculty confidence (AI's role in teaching) **more than doubled**

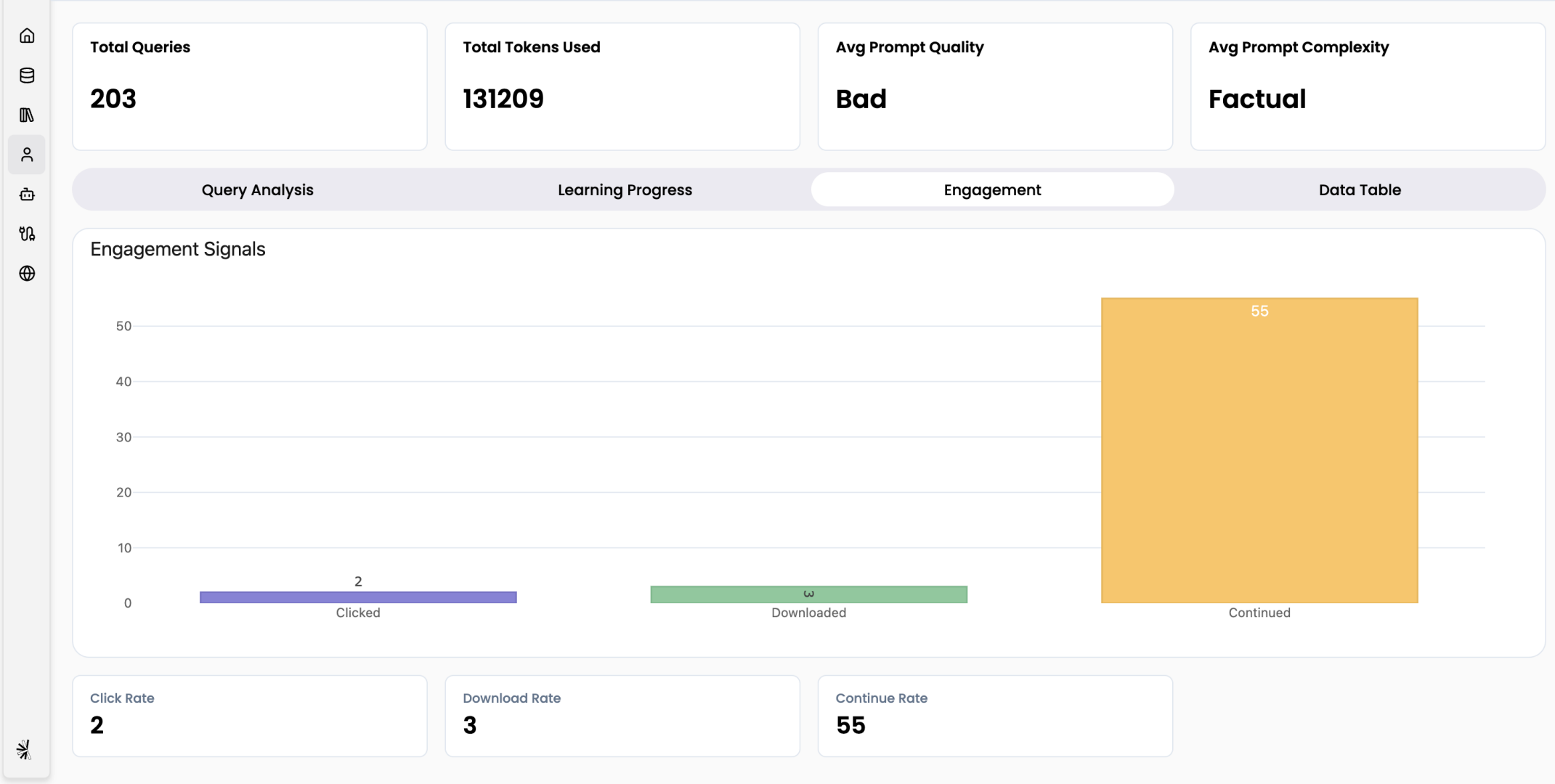
Pattern 1 – Raw Data Inputs



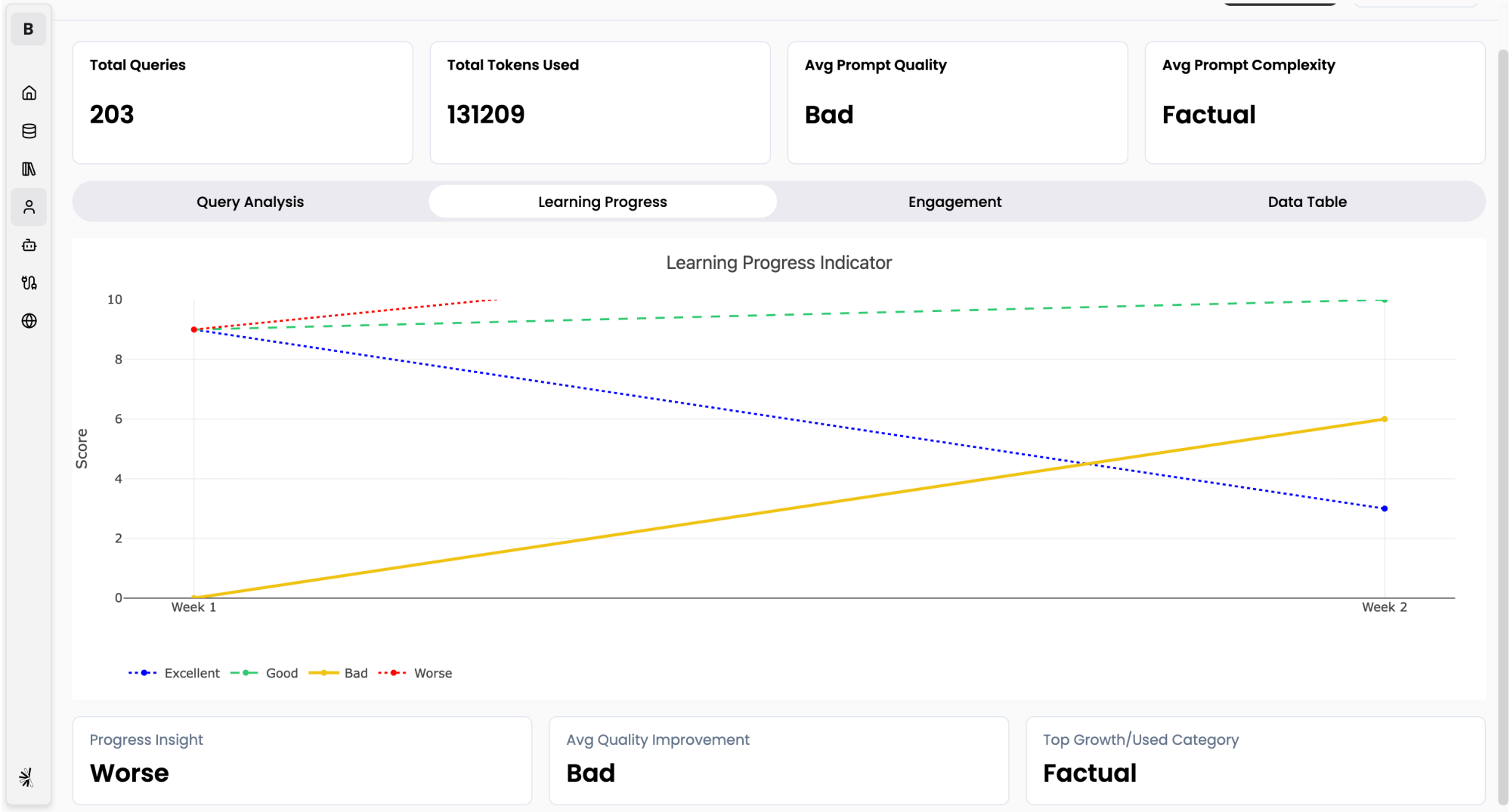
Pattern 2 – Query Analysis



Pattern 3 – Engagement



Pattern 4 – Learning Progress



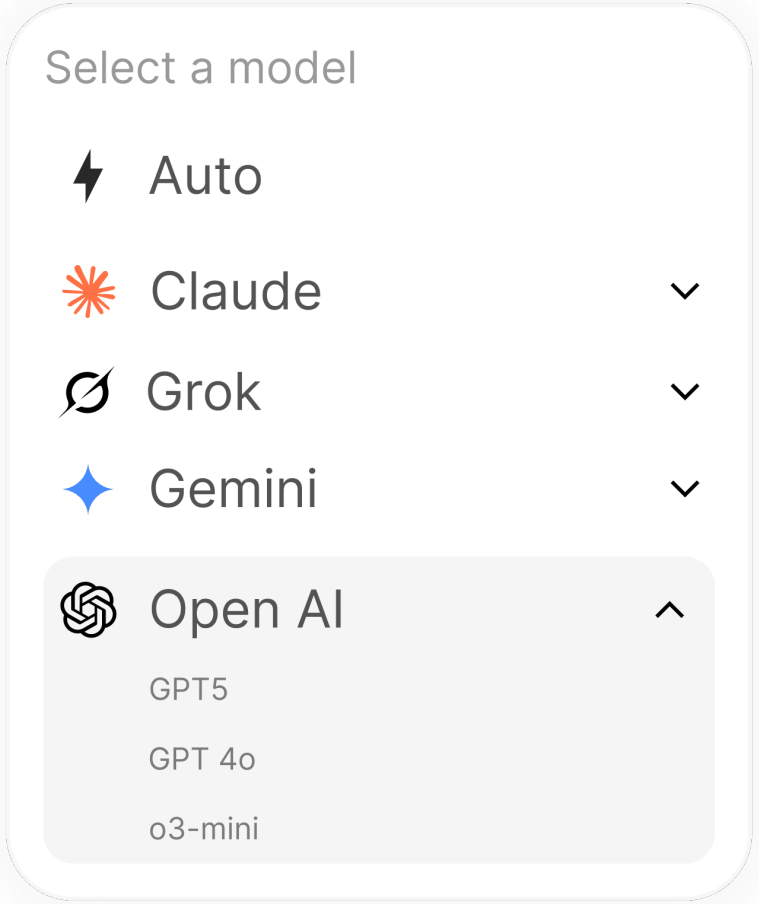
Research Findings - Students

Students got equitable access to latest AI models in one place which increased their confidence.

They were not punished for using AI, instead they were guided to use it well.

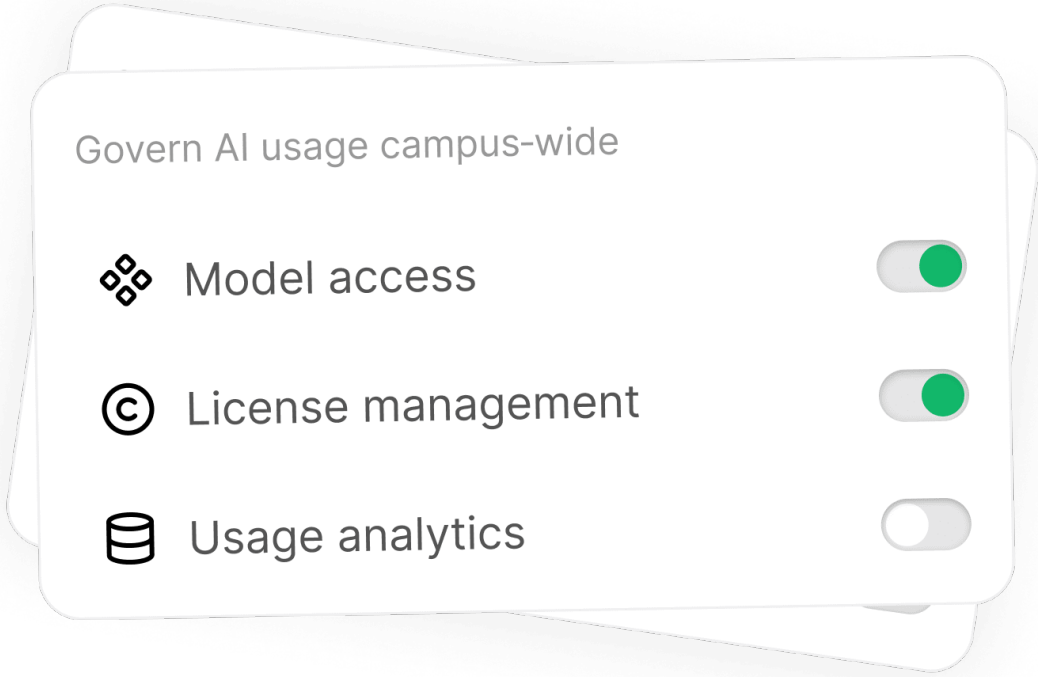
10% → 33%

Student critical thinking (asking questions) tripled



Research Findings – Administration

Administrators gained visibility and AI governance into how AI was being used responsibly across courses, classes and the entire campus.



In short, Trust Replaced Fear

Emergence of the “Learning Provenance” concept

It’s the recorded story of how learning happens from the resources used, to the AI interactions, to the outcomes produced.

Instead of asking “Did AI write this?”

We begin to ask, “What was the learning path?”

This shift helps educators and institutions reclaim contextual authority, the **missing link in AI-enabled education.**

Our Research Takeaway

Learning is changing and

By embedding **trust**, **transparency**, and **governance** into AI learning infrastructure, we can:

1. Empower students to learn boldly
2. Enable educators to teach confidently,
3. Equip Institutions to govern responsibly.

Our findings indicate that education can reclaim its place in the AI age.

The shift from **uncertainty to trust** is possible, but we need input from a larger sample of students and educators to prove out our thesis.