HT: Multimodal Learning Analytics

PART I — FORESIGHT SNAPSHOT | HT: Multimodal Learning Analytics | Fixed Time-Stamped Synthesis

2026 HT: Multimodal Learning Analytics

Card Type	Historical Technology Shift
Series	Immersive Futures Guild — Vision 2035
Layer	1 — Atomic Foresight Object
Status	Active
Confidence	Medium
Workshop	Circle of Scholars — January 2026
Facilitator	Circle of Scholars Workshop Team
Tags	learning-analytics | historical | multimodal | layer1 | ht
Tally.so Form	https://tally.so/r/ilrn-if-ht-mmanalytics-2026

The availability of learning analytics systems capable of processing multiple simultaneous data streams — gaze, gesture, physiological, verbal, and spatial — has expanded the research toolkit for immersive learning researchers. The interpretive frameworks and ethical protocols required to use these tools responsibly are still in active development and remain contested.

Key Drivers / Contributing Conditions:

- XR hardware sensor array maturation
- Research community investment in multimodal analytics methodology
- Commercial analytics platform integration into educational XR

Tensions Carried Forward to Part II:

- What is the minimum ethical standard for deploying multimodal analytics in educational contexts?

Linked Scenarios / Strands: STRAND: Ethical Multimodal Analytics

Ways of Knowing: Tree · Garden · Lantern

PART II — COMMUNITY EVIDENCE & DIALOGUE TRACK | HT: Multimodal Learning Analytics | H2 2026 — Living

T	COMMUNITY CONTRIBUTION FORM — HT: Multimodal Learning Analytics Submit case examples, methodological challenges, cultural perspectives, and proposed evidence criteria via: https://tally.so/r/ilrn-if-ht-mmanalytics-2026

Part II — Scope and Instructions
This section collects community responses, case examples, and challenges to the Part I foresight snapshot above.
It opens July 1, 2026 and undergoes synthesis review in September 2026, November 2026, and January 2027.
Contributions are submitted via the Tally.so form above and appear in the registers below after editorial review.
The Part I text is not modified in response to Part II contributions; it is versioned at the Annual Handoff review.
Contribution categories: Case Example | Methodological Challenge | Cultural/Community Perspective | Proposed Evidence Criterion
Ways of Knowing accepted: Tree (evidence) | Garden (practice) | Lantern (futures)

Tensions Open for Community Response:

- What is the minimum ethical standard for deploying multimodal analytics in educational contexts?

Contributor / Date	Category	Way of Knowing	Contribution Summary
[Awaiting contributions — form opens July 1, 2026]			

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