

IMS Learning Impact Award Nomination

Integrated Learning Analytics for Video using LTI and Caliper

RETURN ON INVESTMENT

Access

- Dashboards available *both* within Kaltura via LTI and natively within Blackboard Learn

Affordability

- Free for mutual clients of Kaltura and Blackboard

Organizational learning

- Supports mastery learning through access to information about viewing behavior
- Fosters improved video quality by highlighting point of high and low engagement

Interoperability

- IMS Learning Tools Interoperability (LTI) certified
- IMS Caliper Analytics certified

Innovation

- Simplifies extraction and integration of educational data
- Provides a holistic perspective on learning behaviors
- Creates a more engaging and actionable experience for students and instructors

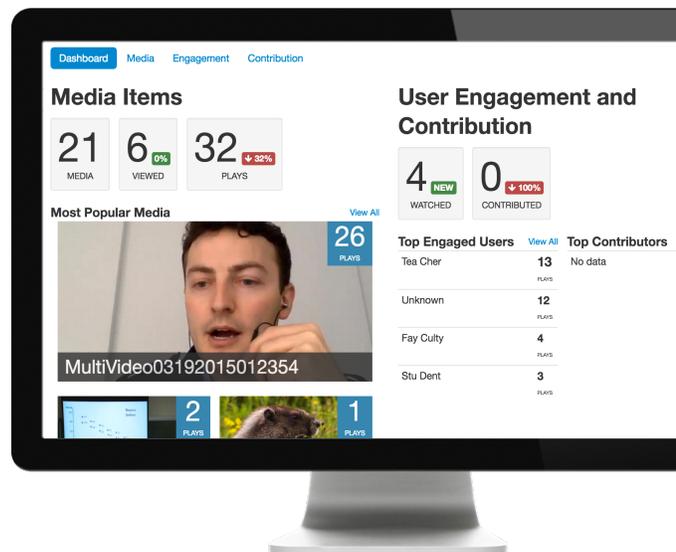
Challenge

We know that video has the power to improve learning outcomes, helping increase knowledge transfer and increasing student performance on assignments and exams. We also know that analytics about learning behavior make it possible for instructors to optimize their learning environments, and keep learners on track for graduation through targeted interventions in response to symptoms at risk.

What if we could supplement the signals that instructors already receive about learning behavior in the LMS with information about how students are engaging with video content?

Solution

With the release of Caliper Analytics 1.0 by IMS Global, Blackboard and Kaltura undertook a joint proof of concept, to take Kaltura's existing LTI integration with Blackboard Learn and the Kaltura framework's existing event telemetry, and add Caliper MediaEvent support, so that teachers could see engagement activity from Kaltura videos in two sets of reports: one within Kaltura, and another natively within Blackboard Learn. The building block (B2) that was created as a result of this effort will be generally available to mutual clients of Blackboard and Kaltura in 2017.



Outcomes

The Caliper-enabled Kaltura B2 makes it easier for instructors to identify students at risk of poor performance and/or non-persistence. Dashboards are made available to faculty in Kaltura via LTI and natively within the Blackboard Learn environment. What this means is that instructors have the information they need to optimize their video content to meet the information needs of students, and identify students engaged in suboptimal learning strategies (i.e. not watching assigned video content, using video to cram for exams rather than viewing when assigned). By surfacing rich information about student viewing behavior within Kaltura, the Caliper-enabled Kaltura B2 has increased access to the important information that instructors need to meet the needs of today's students.

MORE INFORMATION

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