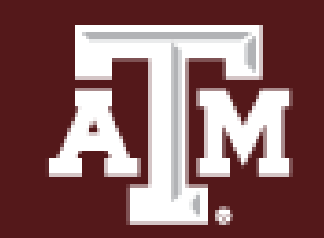


INCORPORATING LIVE DISCUSSION INTO AN AG COMMUNICATIONS ONLINE COURSE USING AI:



TEXAS A&M UNIVERSITY
Agricultural Leadership,
Education & Communications

The Case of Breakout Learning

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Introduction

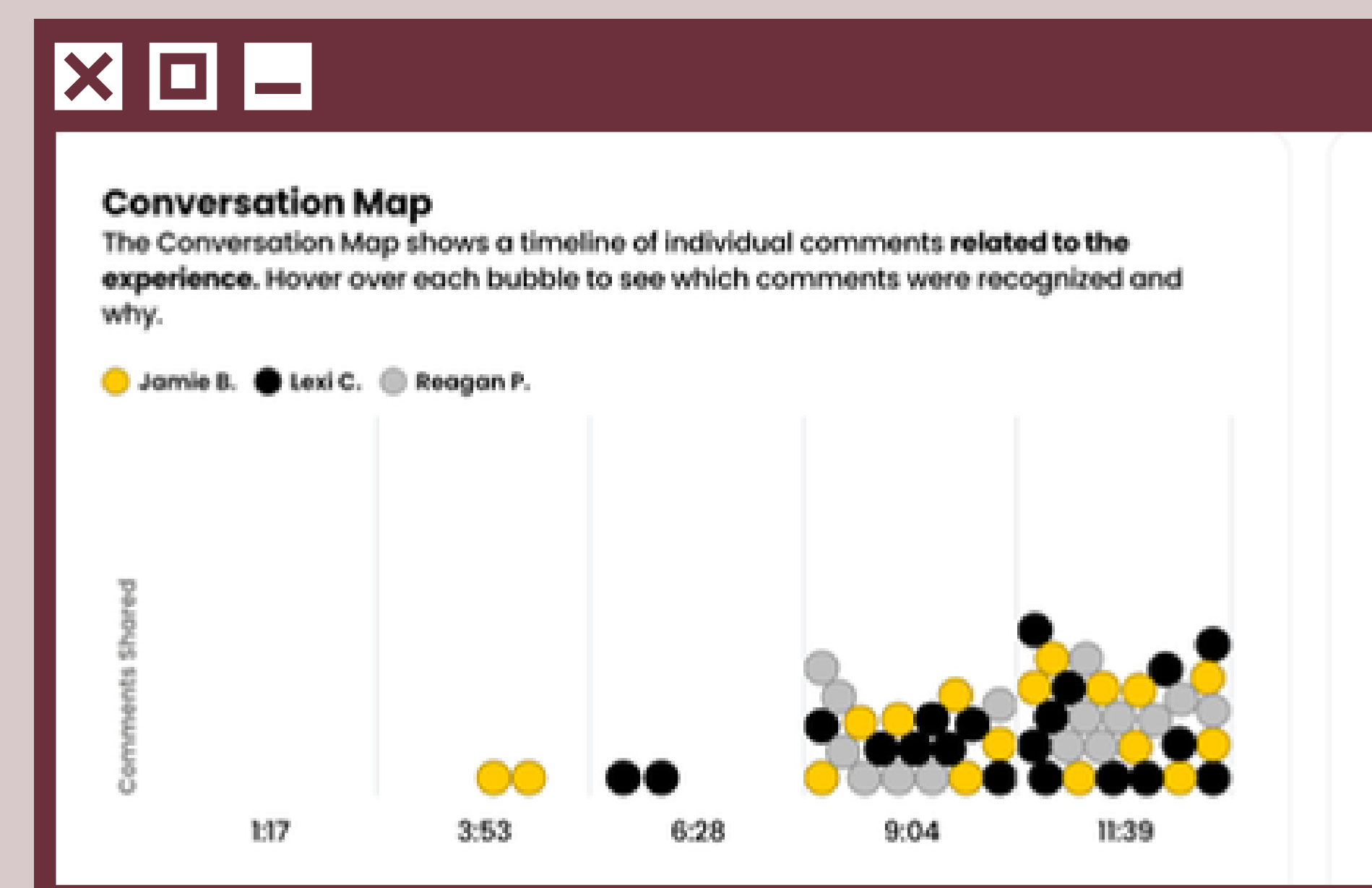
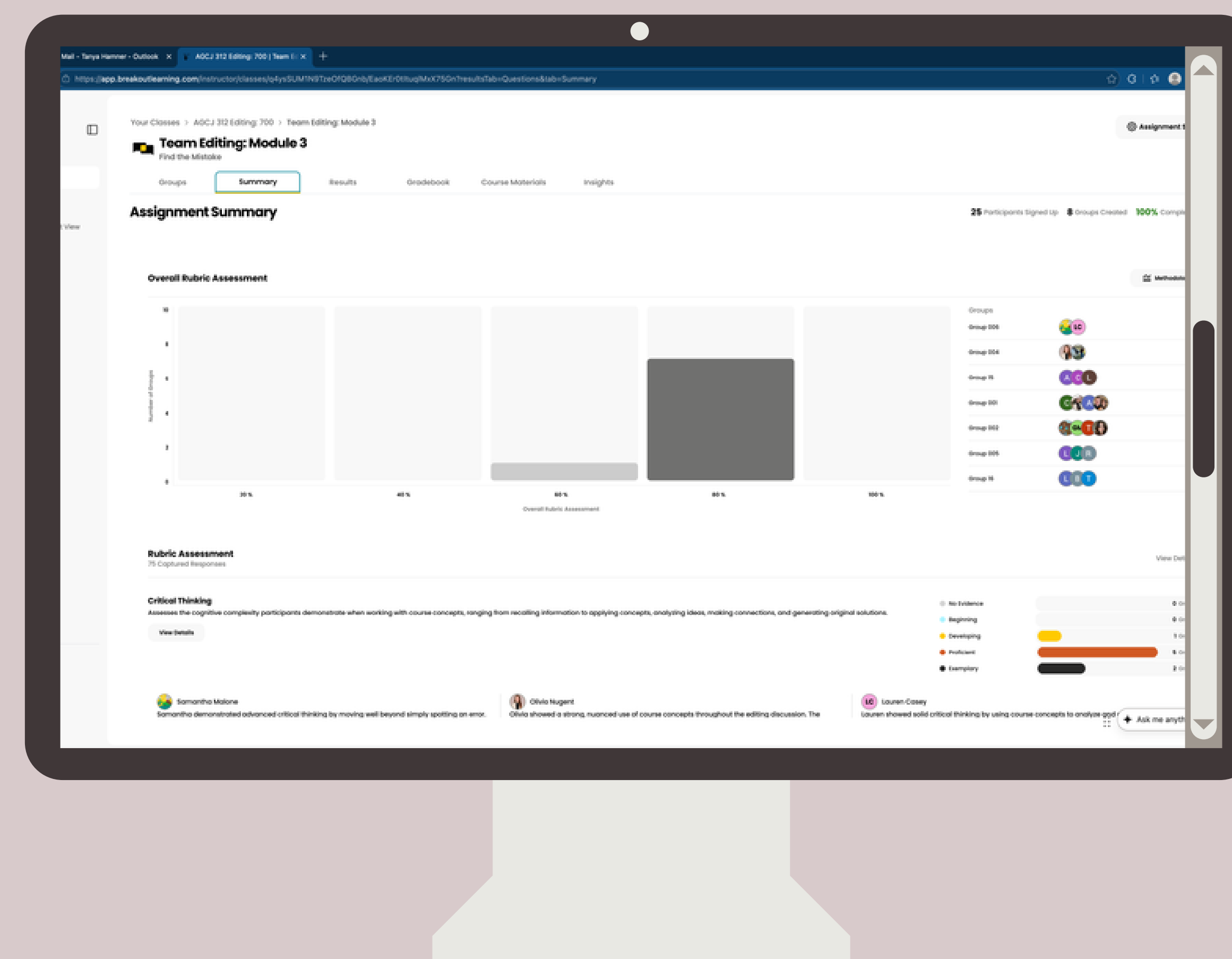
- As AI becomes increasingly integrated into higher education, educators need authentic assessments that demonstrate student learning beyond AI-generated written work
- Discussion-based learning encourages students to apply, explain, and defend their thinking through dialogue and collaboration
- Facilitating meaningful live discussion can be challenging in asynchronous online courses, creating a need for scalable alternatives

How it Works



Abstract, References, &
Contact Information

Breakout Learning Interface



	Final Score	Quiz Score	Completion	Attendance	Contribution	Rubric Assessment
Assignment	100%	100%	100%	100%	100%	100%
Learning Article 1	85%	85%	100%	Yes	75%	100%
Learning Article 2	85%	85%	100%	Yes	75%	100%
Learning Article 3	85%	85%	100%	Yes	75%	100%
Learning Article 4	85%	85%	100%	Yes	75%	100%
Learning Article 5	85%	85%	100%	Yes	75%	100%
Assignment	100%	100%	100%	100%	100%	100%
Learning Article 1	85%	85%	100%	Yes	75%	100%
Learning Article 2	85%	85%	100%	Yes	75%	100%
Learning Article 3	85%	85%	100%	Yes	75%	100%
Learning Article 4	85%	85%	100%	Yes	75%	100%
Learning Article 5	85%	85%	100%	Yes	75%	100%
Assignment	100%	100%	100%	100%	100%	100%
Learning Article 1	75%	65%	100%	Yes	75%	100%

Results & Implications

Student Insights

- Preferred live discussions > traditional Canvas discussion boards
- Talking through mistakes and explaining concepts improved understanding
- Hearing different perspectives helped clarify difficult concepts
- Peer discussion increased confidence and helped identify misunderstandings
- Online meetings provided flexibility while maintaining meaningful peer interaction

Instructor Insights

- AI-generated summaries provided insight into student comprehension and learning gaps
- Reports helped identify areas needing additional instructional support
- Quiz scores were higher than previous semesters

Future Plans & Advice

- Target concepts students historically struggled with
- Use discussion to encourage analysis and defend thinking.
- Consider the platform for online courses

Costs & Resources

