



X-Ray Learning Analytics

for Moodle

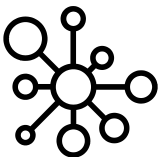
A positive learning experience is the result of high-quality instruction, excellence in course design, and engagement with other students within a learning community. But too often, instructors don't find out that students are disengaged or struggling with course materials until it's too late to make a difference.

X-Ray Learning Analytics provides deep insight into learner behaviors and identifies trends that affect achievement within Moodle. At the institutional level, X-Ray Learning Analytics analyzes cross-course results to uncover trends that inform strategic thinking about curriculum development, instructional design, and new retention initiatives.



Optimize assessments

X-Ray Learning Analytics helps instructors understand relationships between individual graded items and course grades. Instructors can quickly identify effective assessments and those that might need revision.



Increase engagement

X-Ray Learning Analytics visualizes trends in activity at the individual and course levels to help instructors see how students are interacting and create activities to keep them engaged.



Promote critical thinking

X-Ray Learning Analytics offers linguistic analysis and visualization to help instructors understand the quality of discussion board participation, and automate the assessment of critical thinking and originality.



Discover trends across courses

X-Ray Learning Analytics offers administrators the ability to monitor and compare performance and activity across course sections.

Visualizations

Activity

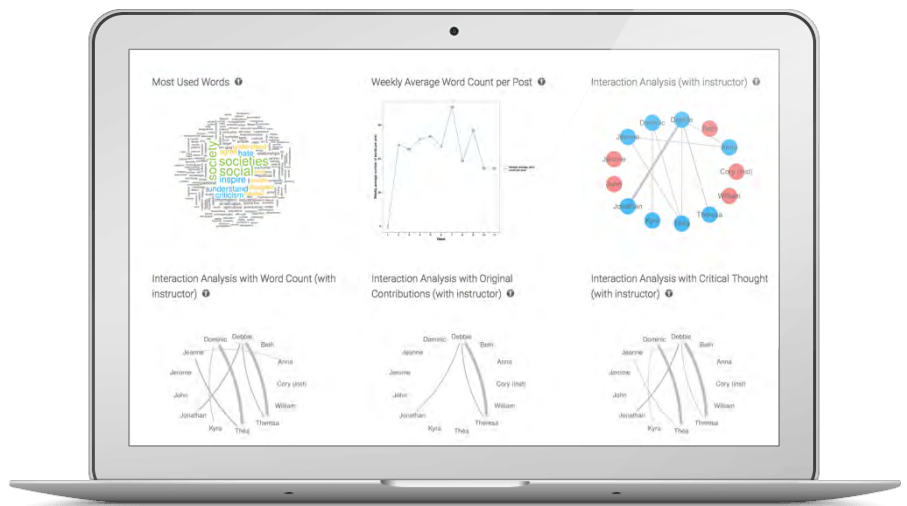
- Student list by activity metric
- Course activity by date
- Activity by time of day
- Activity over last two weeks by week day
- Activity over last two weeks
- Relative activity compared to other students in class
- Relative activity compared to self
- Pie chart of first time access distribution

Gradebook

- Student list by grade
- Distribution of grades
- Summary of graded items
- Distribution of Scores
- Automatic discussion forum grading versus course grade
- Comparison of scores

Discussions

- Student list by participation metric
- Student list by grade recommendation
- Forum activity by week
- Most used words
- Weekly average word count per post
- Interaction analysis (with instructor)
- Interaction analysis with word count (with instructor)
- Interaction analysis with original contributions (with instructor)
- Interaction analysis with critical thought (with instructor)
- Word overlap between posts (with and without instructor)



optional

Risk Analysis extension for X-Ray Learning Analytics



With the risk analysis extension for X-Ray Learning Analytics, instructors and administrators gain access to the results of a custom predictive model that uses academic, engagement, and social data to identify students at risk of not passing a course. With this information in hand, instructors and professional advisors can act early, proactively reach out to learners exhibiting signs of risk, and keep students on track for success.

Risk Status Reports

- Inactive students
- Student list by risk metric
- Total risk profile
- Risk history

For more information, visit blackboard.com/analytics