

Exploring How Canvas Learning Technology Tools Influence Course Success

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Topic:
This project aims to analyze the impact of Learning Technology Tools offered through the LMS on success in courses.

Goals:
To identify the largest contributors to success in courses and leverage technological tools to address those factors in a digital learning environment.

ATS and COB are partnering to focus on Online MBA program as a case study.

Research Questions:

1. How much does active student engagement with the Canvas Learning Management System (LMS) influence students' academic success and performance in the MBA programs?
2. Can we identify what success looks like in Canvas using various LMS metrics?

There is a growing field of research on the Learning Managementif.g5.4 (f3456g n) /.372 0 -3 (v)3.0-4b81 73 BDC

Table 3
Results of Multiple Regre

Conclusion / Discussion

- Students in the Information System course score, on average, performed significantly higher than those in Finance, suggesting the potential positive impact of external tool instructional methods and materials like PlayPosit on learning outcomes.
- In all three Multiple Regression analyses viewing Individual Quizzes was shown to be a significant and positive predictor on a student's final Canvas grade. This could suggest a possible benefit of engaging with quiz feedback for students in relation to academic success in a course.
- In the Final Multiple Regression Model "View Course Announcements" and "Individual Pages" had a negative relationship with final course grades, possibly indicating students' who are struggling with course material.
- In the Final Multiple Regression Model "Course Homepage" and "Modules Overview" had a positive relationship with final course grades, suggesting that students who visit these pages more may have a clearer understanding of the course structure and better access to resources.
- Holistically, the results of our analysis of the two courses in the Online MBA program reveal a possible link between pedagogical tools, student engagement, and academic performance, highlighting the importance of interactive and engaging course materials. This is in alignment with research (Mueen, et al., 2016, Bonafini, et al., 2017, Jayaprakash, et al., 2014, Zhidkikh, et al., 2024).

Canvas Data:
Leveraging Canvas data can further course refinement and development and enhance learning experiences.

Interventions:
Early identification of key student engagement patterns could allow targeted interventions and boost student success. Faculty and student training may provide support.

Continued Research:
Finding strong correlations between Canvas engagement metrics and success in the Online MBA program may encourage research in various academic disciplines.

Empty box for future content.