TITANIUM ENGAGEMENT
Enhancing the Visibility and Accessibility of Learning Management System (LMS) Data to Support Learning

IMPLEMENTATION

Spring 2017 Letter Grades & Average Titanium Usage

Spring 2017 Student Disengagement by Week

Spring 2017 Titanium Engagement Activity Distribution of Average Titanium Activity

Timeline

Fall 2016
Creation of User Interface
Early Spring 2017
Development of Algorithm
Summer 2017
Pilot Program
Fall 2017
Campus Rollout

TITANIUM ENGAGEMENT

Learning Management System (LMS) data provide an alternative way to monitor student progress. Using California State University, Fullerton’s LMS, TITANium, we developed TITANium Engagement, an easily accessible, real-time visualization tool that monitors student LMS usage patterns. It provides timely information that identifies students who exhibit unhealthy learning behaviors and are in need of intervention.

WHAT IS TITANIUM ENGAGEMENT?

TITANium Engagement monitors student usage patterns as an indication of their engagement with learning. This provides faculty with easily accessible, real-time updates of how each student in the course is using the course site. The instructor can also view a longitudinal pattern of student Titanium Engagement to spot behavior changes. Interventions deemed appropriate by the instructor can then be initiated to help bring the students back on track.

FACTS & FIGURES

1. 1,983 Faculty TITANium users/semester
2. 42,007 Student/semester
3. 5,368 Courses displayed on TITANium/semester

FEEDBACK

Useful as an indicator of participation
If I saw someone who was doing really well on their score with the clicker but their TITANium is lower, then I would assume they were using TITANium quickly in the beginning.

Better as a student feedback tool
Like the option of being able to show students in office hours [their engagement scores] but not letting students know it’s based on clicker.

Faculty want more training
Based on a conversation between faculty and IT personnel, it was brought to our attention that faculty do not know the full capabilities of TITANium Engagement, such as exporting to Excel. Faculty were interested in attending a training session to learn more.

NEXT STEPS

• Enhance student/advisor view
• Promote TITANium Engagement
• Refine algorithm

CONTACT US

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1. Fall 2016/Spring 2017 Academic Year
2. Faculty focus group, Summer 2017

TITANIUM ENGAGEMENT color-codes the quantity of student usage. Faculty/Staff users can also download the data in Excel.

ABSTRACT

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