

# CSUF PRESENTERS

#### **AMIR DABIRIAN**

Vice President for Information Technology/CIO

#### **SU SWARAT**

Assistant Vice President, Institutional Effectiveness

### **WILLIE PENG**

Assistant Vice President for Information Technology

#### PEARL GALANO

Data Scientist, Information Technology

# **ABSTRACT**

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.

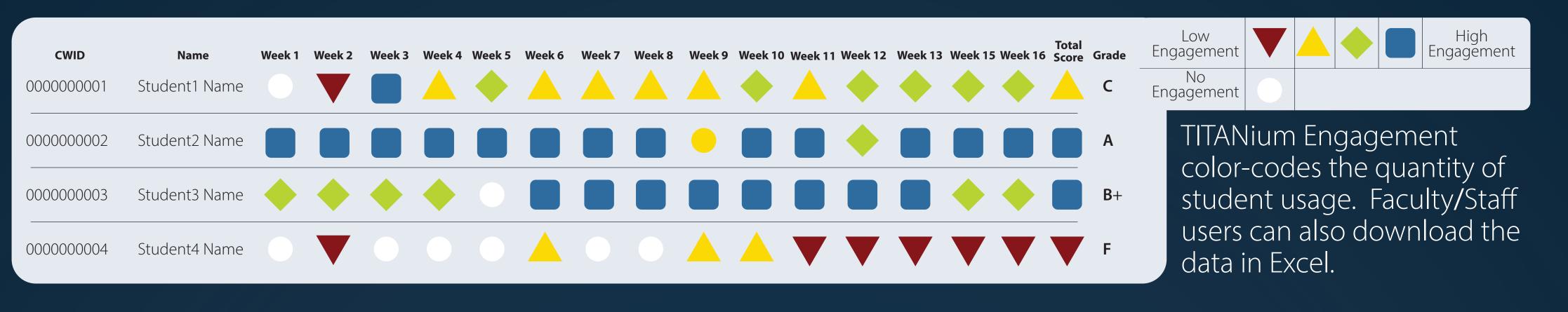
# WHAT IS TITANIUM ENGAGEMENT?

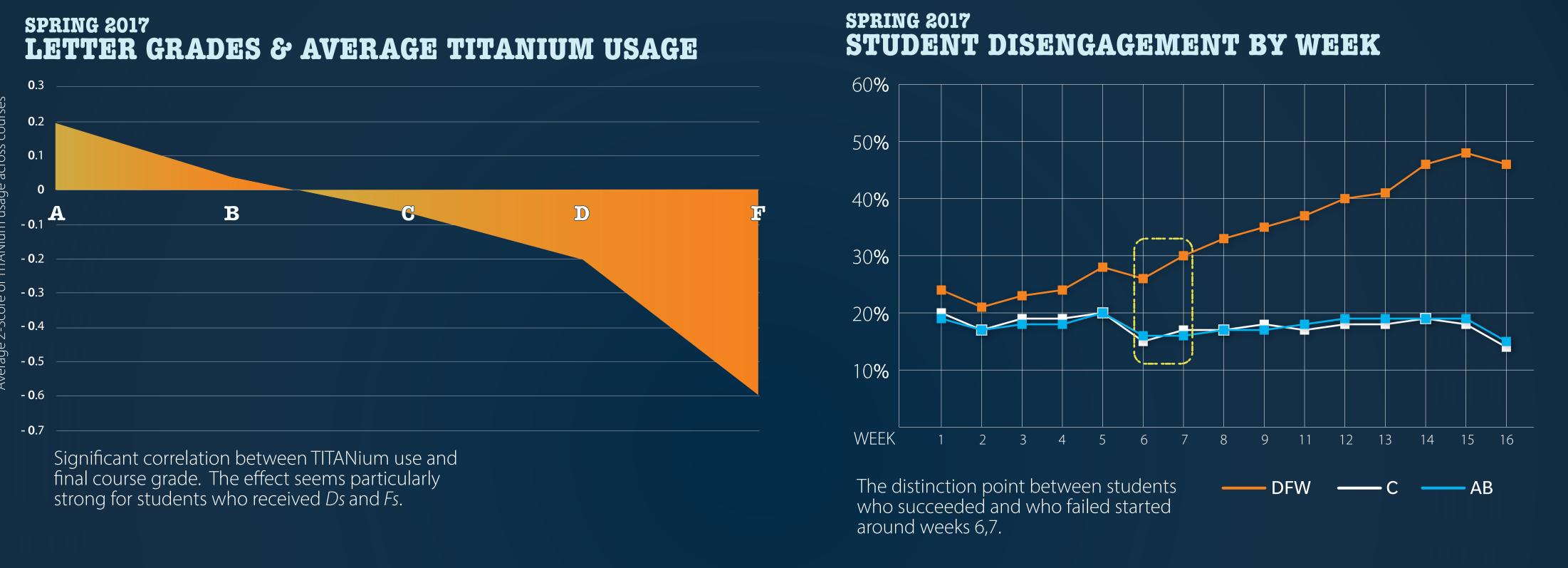
TITANium Engagement monitors student usage patterns as an indication of their engagement with learning. This provides faculty with easily accessible, real time updates of how each student in the course is using the course site. The instructor can also view a longitudinal pattern of student Titanium Engagement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

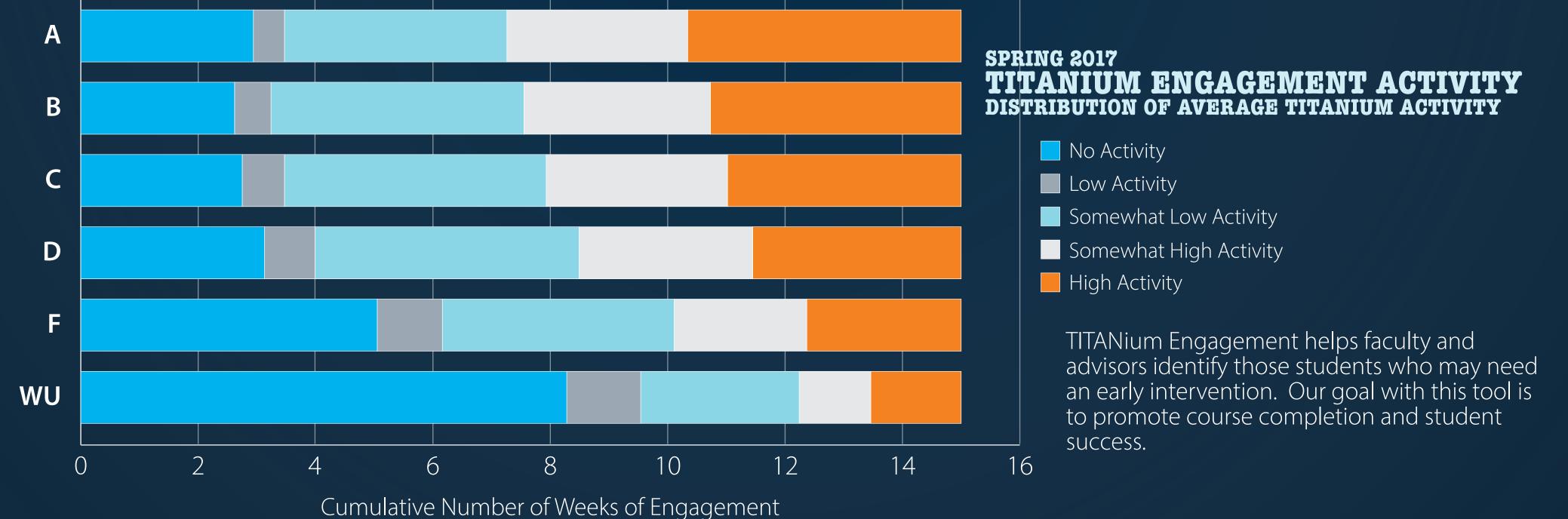
# TITANIUM ENGAGEMENT

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

# IMPLEMENTATION









# FACTS & FIGURES1

1,983 Faculty TITANium users/semester

**42,007** Student users/semester

**5,368** Courses displayed on TITANium/semester

# FEEDBACK<sup>2</sup>

# Useful as an indicator of participation

I would use this as an adjunct to 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

I like the option of being able to show students in office hours [their engagement scores] but not letting students know it's based on clicks.

## 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

Email Us: *VPIT@fullerton.edu Data@fullerton.edu*Call Us: 657.278.8500

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