

MAKING THE MOST OF A HEALTHY CHANGE IN EDUCATION CATALYTIC CONVERSATIONS

"Like The Social Network but actually important." - HANK GREEN

E P I C MEASURES



One Doctor. Seven Billion Patients.

JEREMY N. SMITH

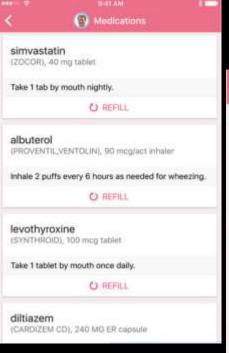


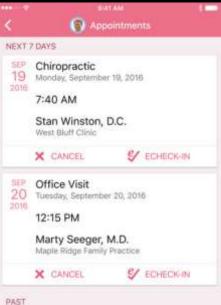
Clamps, scissors and other surgical instruments are seen in the operating room at Johns Hopkins Hospital on June 26, 2012 in Baltimore, Md. 🙆 AFP - Getty Images file

by MAGGIE FOX and LAUREN DUNN

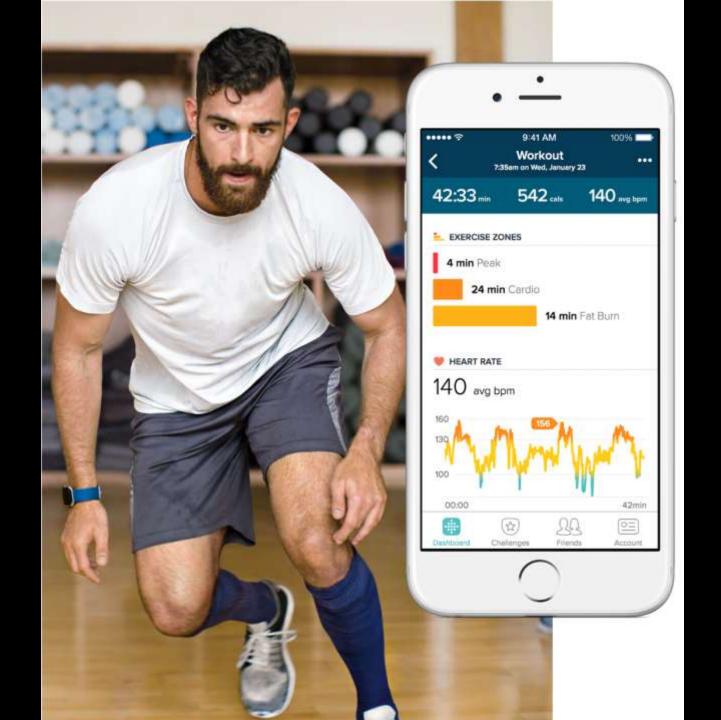








18 Stan Winston, D.C. 2018 West Bluff Clinic







GE's Adventure Series redesigns imaging equipment including MRIs, X-ray machines and CT scanners like the pirate-themed machine pictured here to make the procedures less scary for kids.



Still a virtual reality skeptic? Here's why you shouldn't be

Posted 4 hours ago by Ian Hetherington



















Ian Hetherington

CRUNCH NETWORK CONTRIBUTOR

lan Hetherington is a co-founder and chairman of eeGeo Limited.

How to join the network ▶

The original PlayStation console, launched when I was the managing director of Sony Computer Entertainment for Europe, shook the gaming world. The 3D environment was unfamiliar to gamers, and some in the industry at large were initially reluctant to adopt such a new technology. But with time, 3D gaming became



AdChoices D

CrunchBase

Meta	-
FOUNDED 2012	
OVERVIEW	

Meta offers users a total augmented reality (AR) experience: - See, create, and interact with virtual objects and apps inserted in the real environment -Display with wearable glasses - Control with hand gestures Meta's goal is to lead the next evolution of personal computing through augmented reality, replacing desktops, laptops, tablets, and smartphones with a more natural-to-use system set ...

LOCATION Portola Valley, CA

CATEGORIES





It's your world, explore it.





Follow us: St







Now available on Glass

"It's a life changer" -Today Show



















POKEMON GO PLUS



EXPLORE









GET UF

Catch Pokémon in the Real World with Pokémon GO!

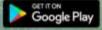


WATCH THE POKÉMON GO TRAILER



AVAILABLE NOW





35 MILLION AMERICANS HAVE SOME COLLEGE **BUT NO** CREDENTIAL

Their stories are captured in the diverse data footprints left behind in the institutions through which they travel. If we pull these footprints together—coupled with the stories of those who succeed—we can tell a coherent story of striving-student learning journeys. More important, we can improve their likelihood of successfully completing the journey!

Let's Turn On the Lights!

NO SHORTAGE OF ACTION ON STUDENT SUCCESS

ACADEMIC ADVISING



First year students 4 initiatives

Sophomore/Second Year students/ Accelerated freshman 2 initiatives

Transfer students 3 initiatives

Student Athletes 5 initiatives

Students within individual colleges who have declared a major 3 initiatives

Honors College students 2 initiatives

Students interested in pursuing careers in the health and legal professions 10 initiatives

FINANCIAL SUPPORT

All students – Financial Assist 1 initiative



All students - Scholarship 1 initiative

All students – Alumni Scholarship 1 initiative

All students – SGA Scholarship 1 initiative

ACADEMIC/SUPPORT SERVICES



All students - General 7 initiatives

All undergraduate students - Writing 1 initiative

All undergraduate students - Math 1 initiative

All undergraduate students - Research 5 initiatives

All undergraduate students - Testing 1 initiative

All undergraduate students



Non-traditional students 1 initiative

Out-of-state students (First Year) 3 initiatives

Graduate students 1 initiative

CAREER AND GRADUATE SCHOOL (20) **PREPARATION**

All students - Career Services 7 initiatives

All students - Experiential Learning 3 initiatives

Students interested in pursuing careers in the health and legal professions 10 initiatives

CAMPUS INVOLVEMENT, ENGAGEMENT, **INTEREST GROUPS**



All students – Student Involvement 7 initiatives

All students – Leadership Development 4 initiatives

First Year/Transfer student 6 initiatives

All students interested in fraternity/sorority life 4 initiatives

All students – Student Government 5 initiatives

DATA IMPACT MATRIX

A THEORY OF WORK

INTELLECTUALLY CURIOUS

Late Signal

STUDENT SUCCESS SCIENTISTS

Stronger Signal

STATUS QUO

No/Wrong Signal

BEST PRACTICISM

Weak Signal

INSIGHT

CIVITAS LEARNING NETWORK

300+ PARTNER INSTITUTIONS & SYSTEMS 7 M + STUDENTS 200 M+ STUDENT RECORDS

PUBLIC 4-YEAR





































PUBLIC 2-YEAR











































PRIVATE













SYSTEMS









PROPRIETARY

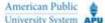














PERSONALIZED INSIGHTS DRIVE ACTION ACROSS THE STUDENT LIFECYCLE

















President

Faculty

IR

OUTCOMES

Advisors

Provost's Office

Student

IMPACTFUL APPLICATIONS, ACTIVITIES & FLEXIBLE API'S













INSTITUTION-SPECIFIC APPROACH – 1500+ MODELS IN PRODUCTION





DEPTH OF DATA – 95% OF PREDICTIVE POWER COMES FROM DERIVATIVES

ACTIVITY

LMS engagement score LMS activity streak LMS relative-to-section average

ACADEMIC

Blended modality features
GPA consistency features
Terms attempted/completed ratio

LIFE & LOGISTIC

Degree program alignment scores Credits withdrawal patterns Financial aid change variables



BREADTH OF DATA – CROSS-SYSTEM & CROSS-INITIATIVE









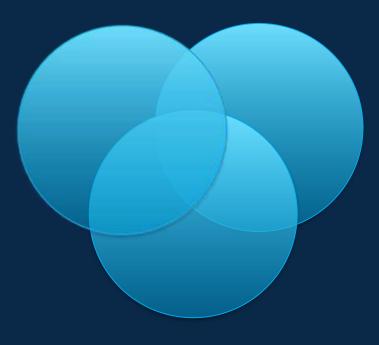






HEALTHY CHANGE IMPACT AREAS

Personalized Pathways



Precision Engagement

CL Platform







Profile

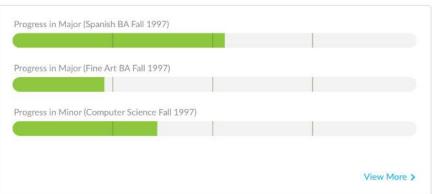
Degree Progress

Explore Degrees

Explore Careers







Plan Course

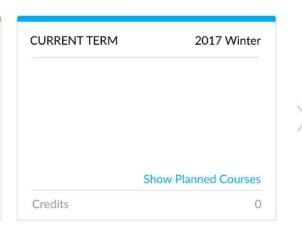
Degree Progress

Catalog: Fall 1997

COMPLETED	2016 Fall
BIOLOGY -121	3
BIOLOGY -225	3
BIOLOGY -400	3
CHEM -302	3
Credits	12

COMPLETED	2017 Spring
BIOLOGY -300	3
BIOLOGY -325	3
CLAS -343	3
CLAS-358	3
Credits	12

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Print/Email Progress

Filter Requirements By

All Requirements

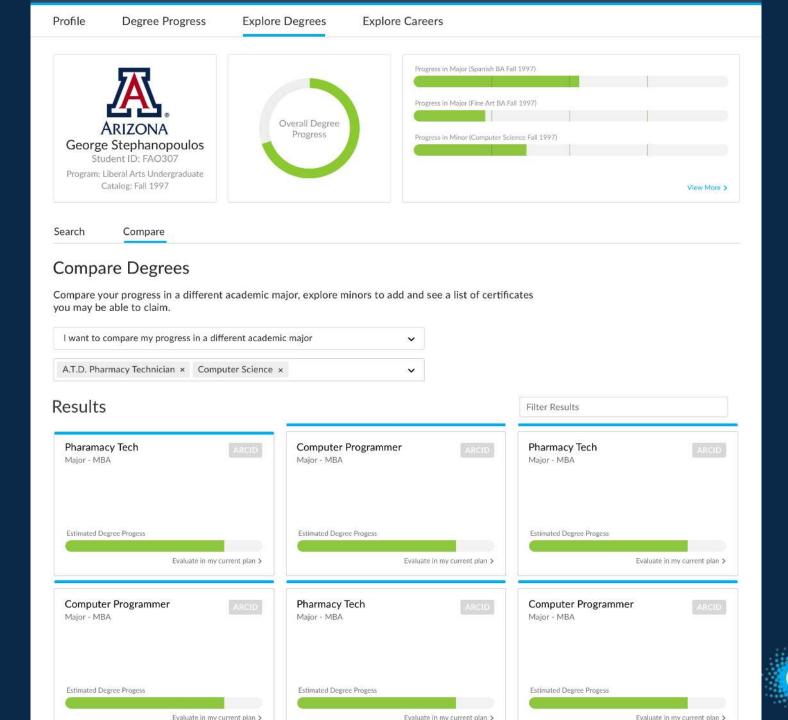








Completed





?



Profile

Degree Progress

Explore Degrees

Explore Careers





UI/UX Designer

Make This My Career Goa

What will I do?

Assist with technology design to make products easier for people to use. Determine user preferences and assess the process that users follow to access product functions; develop and test new design models, and incorporate findings in to improved product design. Research the behavior of internet users and consumers, compile information about the target audience for a site, and develop website layout, design and technology features that improve accessibility and value for users.

Most UI / UX Designer job postings require a Bachelors Degree

What skills will I need?

Software

- JavaScript
- JQuery

Specialized

- · User Interface (UI) Design
- Visual Design

Similar Careers

Graphic Designer/Desktop Publisher

IT Project Manager

Mobile Applications Developer

Multimedia Designer

Software Developer

Product Designer

Interactive Designer

UX Designer



Features Benefits SIS Integration Clients Testimonials Partners C



















DEGREE PROGRESS

PLAN COURSES

EXPLORE DEGREES

EXPLORE CAREERS

Last Updated: Today 06:00am







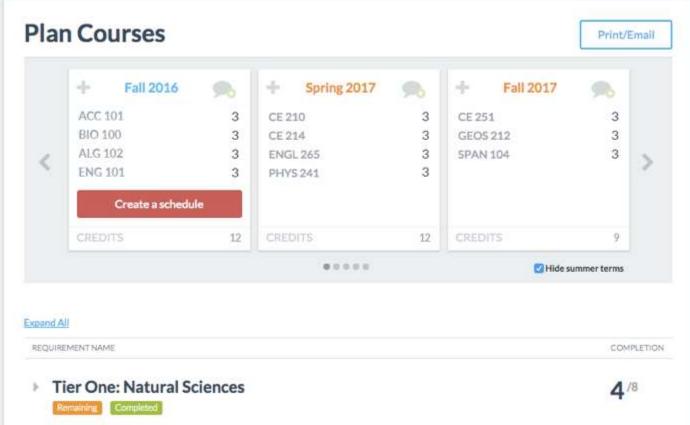
Degree Map Degree

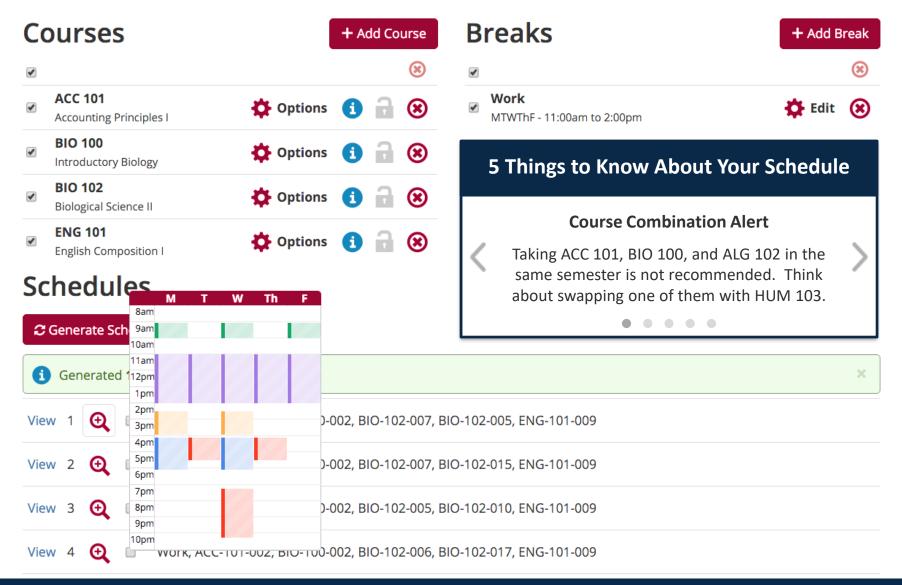
Major

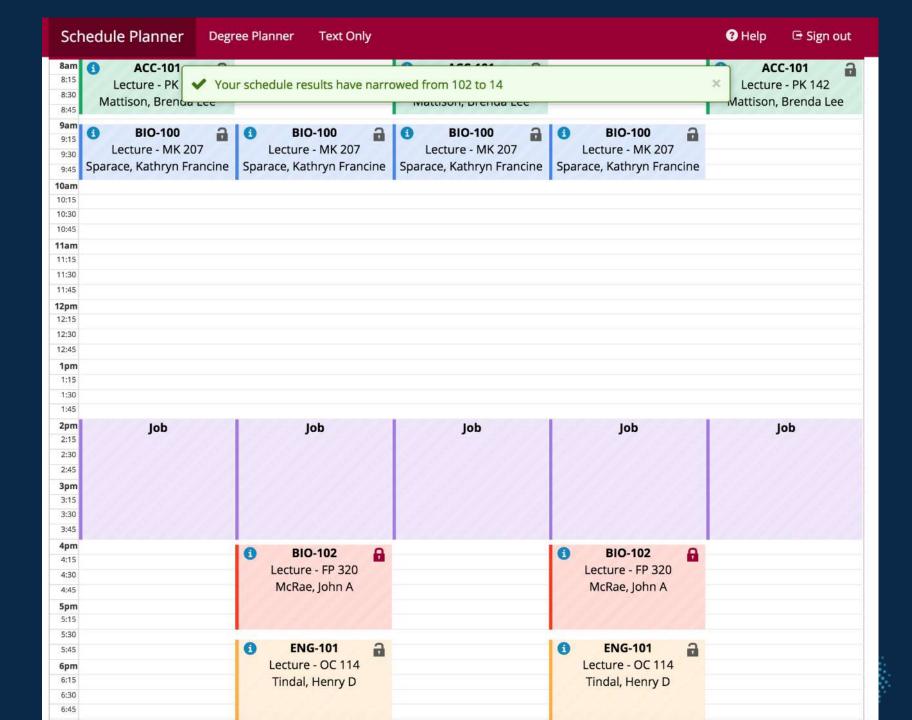
Environmental Science -AA

Catalog: 2015

Log Session











See courses that influence:

Overall graduation rates ~

These are the courses where a lift in the average course grade would provide the biggest improvement in institutional persistence rates. (These tend to be More >









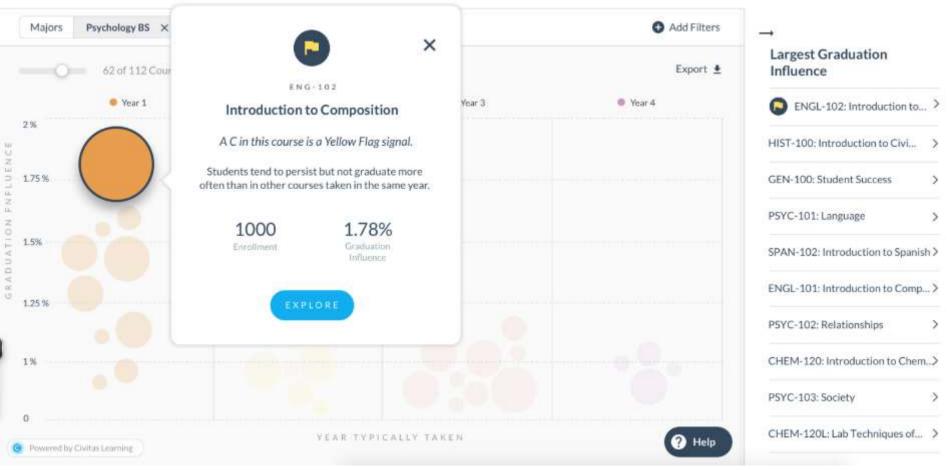


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GRADE SIGNALS

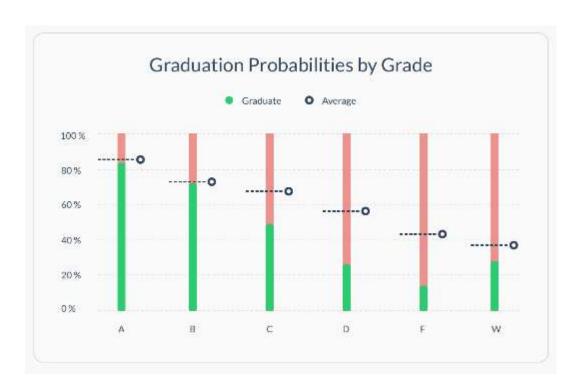


Yellow Flag Signal

Students who earn "C" in an early term courses tend to persist **but not graduate** when compared to other courses taken in the same year.

In this English Composition and Rhetoric Course, students that receive a C are 94.4% likely to persist, but are only 52% likely to graduate, compared to an average graduation rate of 70%.

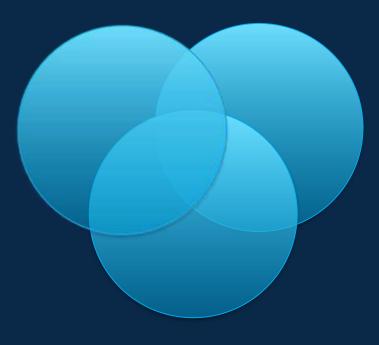
The graduation rate of students with a grade better than a C is 80%





HEALTHY CHANGE IMPACT AREAS

Personalized Pathways



Precision Engagement

CL Platform



COMMUNITY INSIGHTS REPORT ISSUE 2

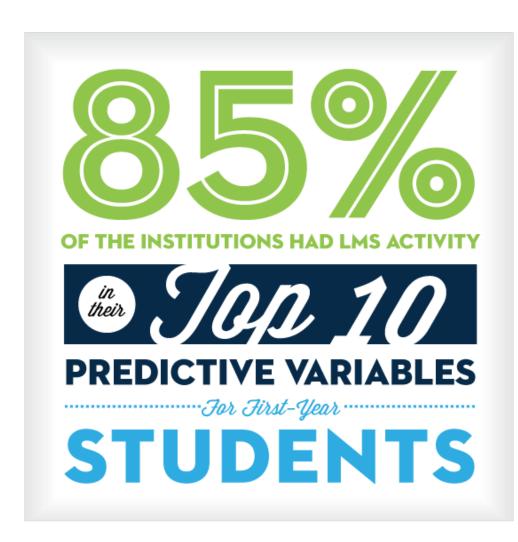


The Research Continues. We've <u>Doubled</u> the Number of Student Records.

- Aggregated intelligence across 4 million active student records
- Deeper dive into initial insights
- Shared knowledge that empowers partner institutions to drive improvement for student success



LMS ACTIVITIES THAT MATTER MOST



All the most predictive LMS features are derived variables, not raw data or counts directly from the LMS.

- Relative Variables: Comparison of the student to their peers in the same section at the same time (e.g. unique days visiting the course, LMS grade average, etc.)
- Consistency Variables: How consistent the student is in their different types of activity in the course (e.g. posting assignments, engaging in course material, etc.)
- Min and Max Variables:
 Measure the predictive power of the highest and lowest values for grades and other activities for each student.
- Average Variables: Average values across the student's courses for different activity types (e.g. discussion posts, grades, course material activity, etc.)

COMMUNITY INSIGHT 1

THE LMS ACTIVITIES THAT MATTER MOST



At this institution First-year students persist at 77%

Above average LMS activity

Raises persistence to 80%

Less than average LMS activity

Drops persistence to 62%

Significantly less than average LMS activity **Drops persistence to 37%**

Three of the top 10 predictors for *on-ground students* are LMS activity.

- Number of days they visited the LMS compared to their peers... #2
- Their LMS grade averages compared to their peers... #6
- Consistency in posting to discussion boards for their classes... #8



Note: This insight is from a community college partner for students taking on-ground courses.

Campaign: Low Engagement

Outreach Goal

 Connect with advisor, commit to goals, increase daily LMS activity

Students Targeted

 Undergraduate, FTF, 0-1 Terms, Very Low and Low Persistence Predictions

Outreach Owner

 Illume Working Group pulls student list, creates case for advisors

Strategy

• 3 waves of communication

Sample Email:

Hi <student first name>,

How have your first two weeks of spring been? I know that this can be a challenging time as you and our other first-year students continue learning to navigate campus and your classes. You're at XXXXXX College for a reason. Take a moment to remind yourself of the goals you had prior to the start of school. If you are willing to share, I'd love to hear them - just respond to this email.

<Advisor Name>



COMMUNITY INSIGHT 2

GAINING DEEPER UNDERSTANDING OF HIGH GPA DEPARTURES



98% of institutions in this study are losing more students above 2.0 GPA than below it.

This benchmark is based on a data set of 4 million students from 62 institutions.



Campaign: High GPA, Low-Moderate Persistence

Outreach Goal

Come to advising, persistence

Students Targeted

Undergraduate, GPA 3.0-4.0

Outreach Owner

 Illume Working Group pulls student list, creates case for advisors

Strategy

Sent before spring midterms

Sample Email:

Hi <student first name>,

I wanted to send you a note to see how your semester is going. College can be challenging this time of year and even the most successful students can struggle. Common challenges for students include job commitments, family responsibilities, financial pressures, transportation issues, or a combination of these and other issues. Do any of these sound familiar to you?

If you are experiencing any of these issues, or other things, I am here to help!

I am proud of your progress and excited to support your continued success.

Sincerely,

<Advisor Name>



Campaign: Finish Line

Outreach Goal

 Catalyze completion among students more than 75% of way

Students Targeted

 Students who had accumulated 75% of credits on ANY degree path, segmented by persistence likelihood

Outreach Owner

Student success team

Strategy

 Identify optimal student group, segment outreach by persistence quartile – top/email, middle/calls, lowest/face to face

'Nudge campaign' yields big jumps at Del Mar



Del Mar College students celebrate their graduation.

BY DAILY STAFF JUNE 20, 2017 ♣ PRINT

Over the past year, Del Mar College in Texas has doubled down on identifying and supporting students who were close to earning a degree but at risk of not completing.

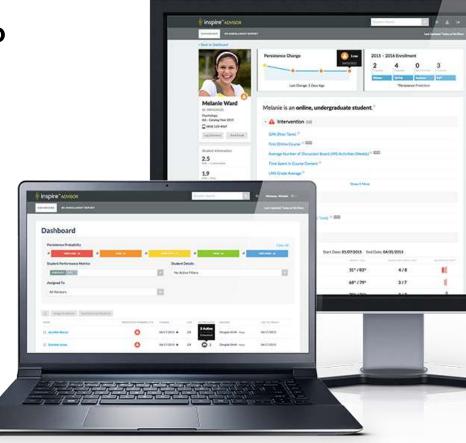
"We educate a diverse, and typically underserved population of students, including adult learners and commuters," said Rito Silva, the college's vice president of student affairs. "We knew that many of these students were close to completing their degree, but still dropping out due to academic or life challenges. We needed to find a way to identify those students earlier."



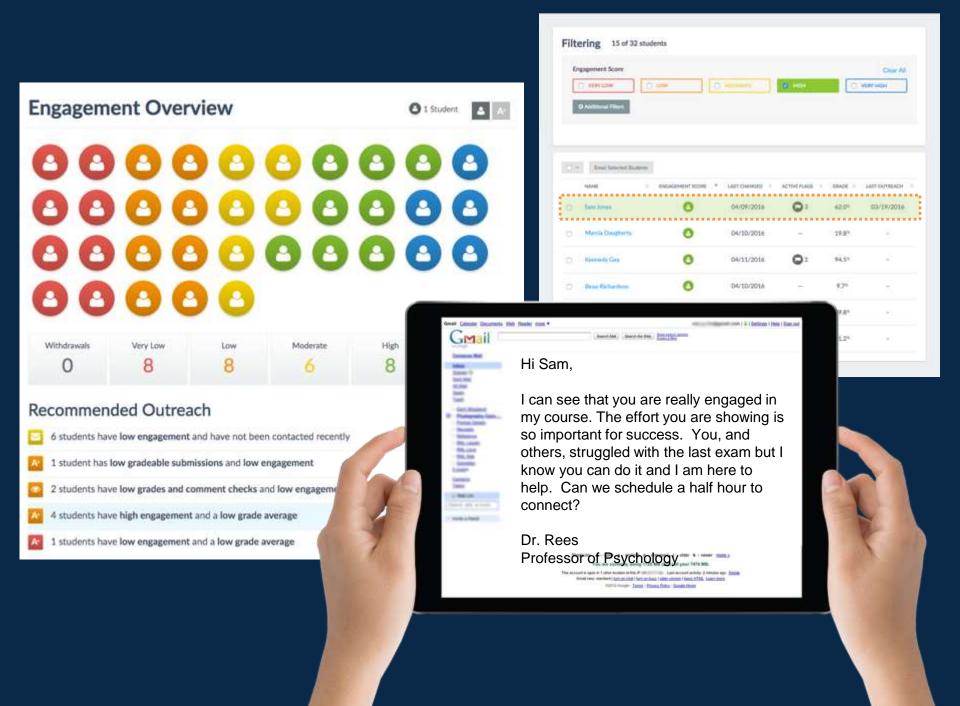
Empower advisors with insight into student learning journeys, opportunities for inspiration and intervention, and effectiveness of outreach strategies, campaigns or innovations

 Identifies and helps optimize student success trajectories

- Workflow based tool can be delivered through integration with existing advisor CRM or through Web interface
- Catalyzes relevant conversations
- Facilitates collaboration with faculty Civitas Learning Copyright ©2016











New Initiative

45 Currently active initiatives

4,236 Students in active initiatives

12 Initiatives with positive lift

Top Initiatives

 ∇

Terms: Spring 2012 to Spring 2015



Q

Writing Center

This is a description of the initiative. This would be the text entered when the initiative is created.



Brief description of the positive or negative lift number to the left.

Lift in Persistence

Flipped Classroom Pilot

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Brief description of the positive or negative lift number to the left.

Lift in Persistence

Math 150A Course Initiative

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Brief description of the positive or negative lift number to the left.

Lift in Persistence

Inspire for Faculty Pilot

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Lift in Persistence

Math Tutoring Office Hours

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Lift in Persistence

College Success Course

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Brief description of the positive or negative lift number to the left.

Lift in Persistence

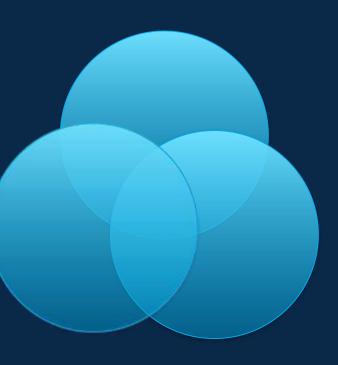


Measure the impact of programs, policy changes and interventions

- Identify comparable control groups
- Leverage predictionbased propensity score matching
- Measure true intervention efficacy
- Meets What Works
 Clearinghouse guidelines



ACCESS, EQUITY & COMPLETION ISSUES

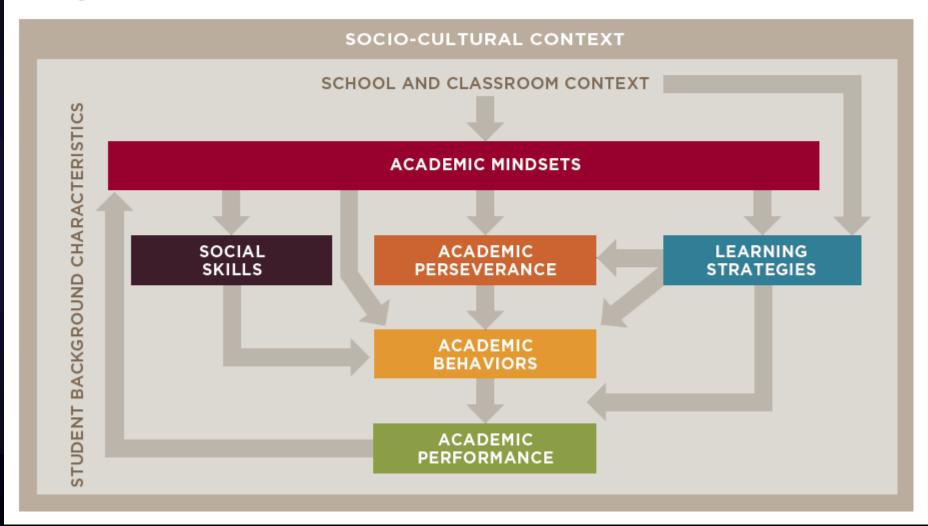


- Type 1: Academic
- Type 2: Psycho-Social
- Type 3: Life and Logistics



FIGURE 2.1

A Hypothesized Model of How Five Noncognitive Factors Affect Academic Performance within a Classroom/School and Larger Socio-Cultural Context



SEVEN STRATEGIES



TURN ON YOUR OWN LIGHTS



DEVELOP, TRY & TEST MINDSETS



ACCEPT ANALYTICS
AS MISSION
CRITICAL



USE DESIGN
THINKING ON THE
FRONT LINES



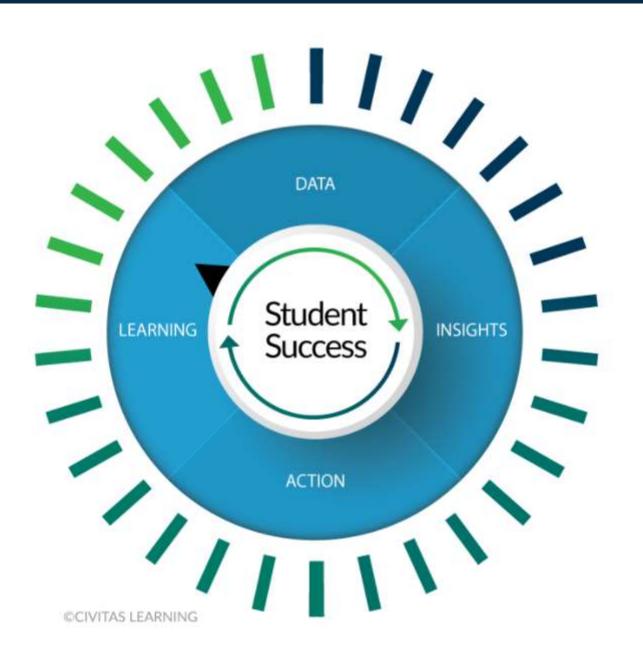
CATALYZE
CONVERSATIONS ABOUT
ANALYTICS



TAKE SYSTEMS & CULTURE SYNC SERIOUSLY



OF ANALYTICS





SEVEN STRATEGIES



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OF ANALYTICS

EDUCATION ANALYTICS: THE SEVEN DEADLY SINS & COMPELLING VIRTUES

- Deadly Sins
 - Self-Interests
 - Denial
 - Blame
 - Perfection
 - Temerity
 - Timidity
 - Decoupling

- Compelling Virtues
 - Student-Interests
 - Courage
 - Wonder
 - Perfecting
 - Humility
 - Willingness
 - Immersion





Making the Most of a Healthy Change in Education: The Emerging Student Success Platform

A new white paper from Dr. Mark Milliron, Co-Founder and Chief Learning Officer, Civitas Learning

