



The Golden Age of Learning

Advancing the Work in Progress

Mark David Milliron
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"MY NEW FAVORITE BOOK OF ALL TIME." —BILL GATES

**STEVEN
PINKER**

**ENLIGHTENMENT
NOW**

**THE CASE FOR
REASON, SCIENCE,
HUMANISM,
AND PROGRESS**

CHALLENGE OF PROGRESS

Progress is Not Guaranteed; It's Been Work
(insight, energy, innovation, intention)

- *Life expectancy*
- *Malthus and Hunger*
- *Child Mortality & Maternal Health*
- *Global Health*
- *Inequality*
- *Crime and War*



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A NEW YORK TIMES BESTSELLER

JEFFREY D. SACHS

The End of Poverty

Economic Possibilities for Our Time

FOREWORD BY BONO

"Book and man are brilliant, passionate, optimistic and impatient...Outstanding"

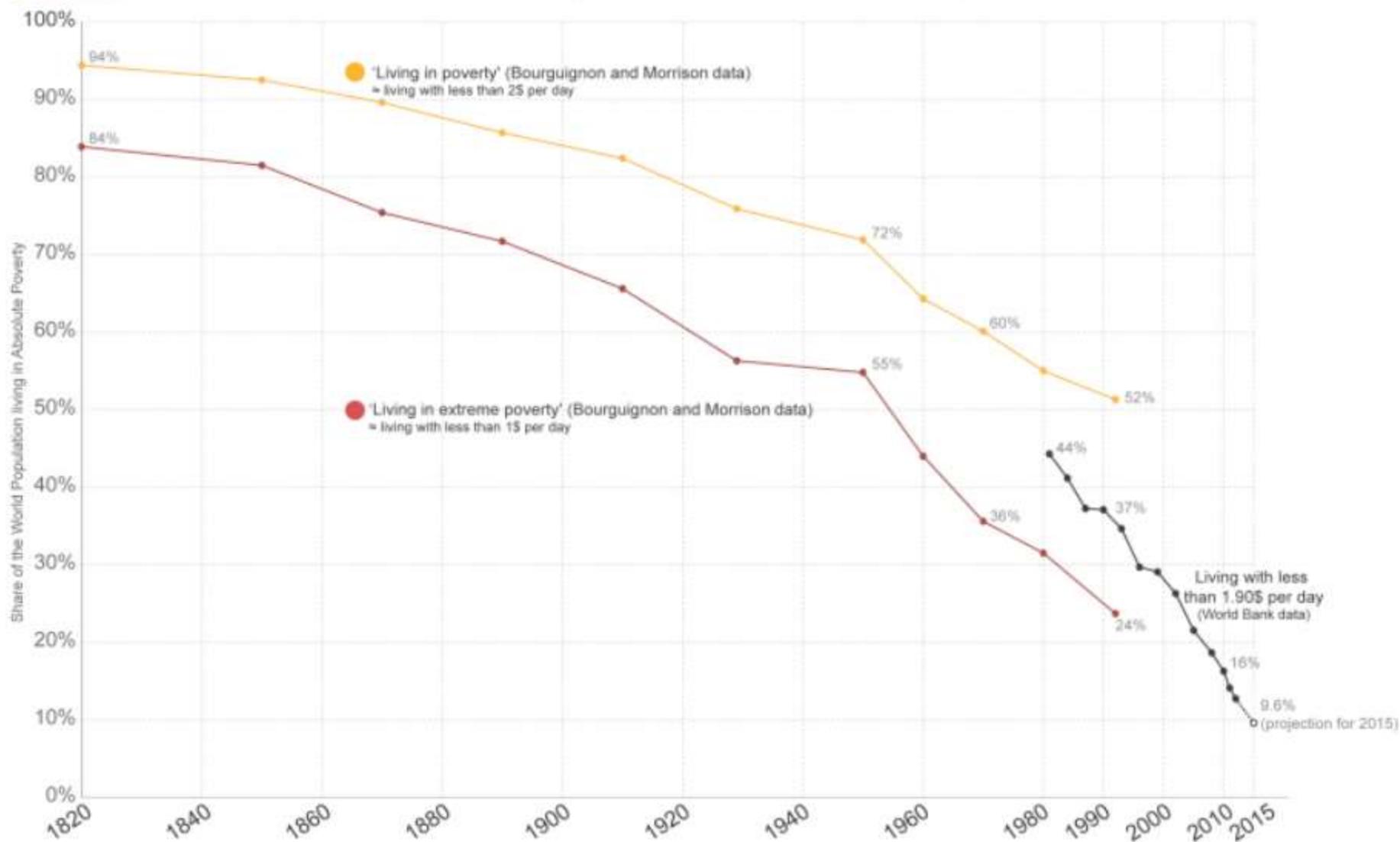
—THE ECONOMIST



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Share of the World Population living in Absolute Poverty, 1820-2015

All data are adjusted for inflation over time and for price differences between countries (PPP adjustment).



Data sources: 1820-1992 Bourguignon and Morrison (2002) - Inequality among World Citizens, In The American Economic Review; 1981-2015 World Bank (PovcalNet)

The interactive data visualisation is available at OurWorldinData.org. There you find the raw data and more visualisations on this topic.

Licensed under CC-BY-SA by the author Max Roser.

CHALLENGE OF PROGRESS

- “Whether or not the world is really getting worse, the nature of news will interact with the nature of cognition to make us think it is.”
- “Availability heuristic: people estimate the probability of an event or the frequency of a kind of thing by the ease with which instances come to mind.”



CHALLENGE OF PROGRESS

“Nothing is more responsible for
the good old days than a
bad memory.”

- *Franklin Pierce Adams*





5,990 views | Jul 9, 2015, 09:46am

Higher Education 'Is Failing Students And Employers'



Nick Morrison Contributor ⓘ
OLD Education

Higher education is failing to meet the needs of both students and employers, and only a fundamental transformation can put it on the right track.

18 REASONS THE U.S. EDUCATION SYSTEM IS FAILING

BY [MATTHEW LYNCH](#) / ⌚ APRIL 3, 2017 / 💬 24





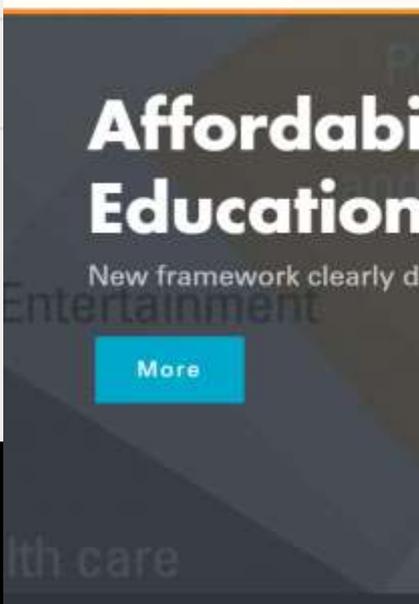
Advancing Conversations

The Many Faces of Student Success

Digital Transformation and Cultures of Care

Extra-Academic Innovation

THE MANY FACES OF SUCCESS



THE MANY FACES OF SUCCESS

- Access & Enrollment
- Deeper Learning
- Broader Success/Completion Indicators
 - ✓ STEM, completion, on-time completion, transfer, diversity and equity gaps, post-graduation outcomes, workforce impact
- Making the most of their student experience





I SEE COLLABORATION BETWEEN INSTITUTIONS AROUND COMMON PROBLEMS HAPPENING

TENURE OF LEADERSHIP

JEFF SEILING

INSTITUTIONAL MOMENTUM

PRESIDENTS SET THE TONE, THE STORY BEHIND THEIR INITIATIVES

STUDENT SUCCESS NEEDS TO BE ABOUT FINDING FULLFILLMENT IN THEIR CAREERS

KEY FOR LONG TERM INNOVATION

PROBLEM IS THAT "PRESIDENT" IS SEEN AS A "CAREER" NOT A "CALLING"

4318

MARK MILLIRON

NOT BETTER THAN BETTER WITH

PRESTIGE IN HIGHER ED IS LIKE PROFIT IN CORPORATE WORLD

HOW DO STUDENTS COMPLEMENT TECHNOLOGY

THE MANY FACES OF SUCCESS

- Access & Enrollment
- Deeper Learning
- Broader Success/Completion Indicators
 - ✓ STEM, completion, on-time completion, transfer, diversity and equity gaps, post-graduation outcomes, workforce impact
- Making the most of their student experience





UNIVERSITY OF CENTRAL OKLAHOMA

Transformative Learning

FUTURE STUDENTS

CURRENT STUDENTS

PARENTS

FACULTY AND STAFF

[Transformative Learning](#) » Student Transformative Learning Record (STLR)

STLR

STUDENT TRANSFORMATIVE LEARNING RECORD

Student Transformative Learning Record (STLR)



An overview of STLR, targeted to UCO students, Summer 2018

Nearpeer

Life is better when you're part of the community



Get the app:



Sign up or sign in:

Create Account

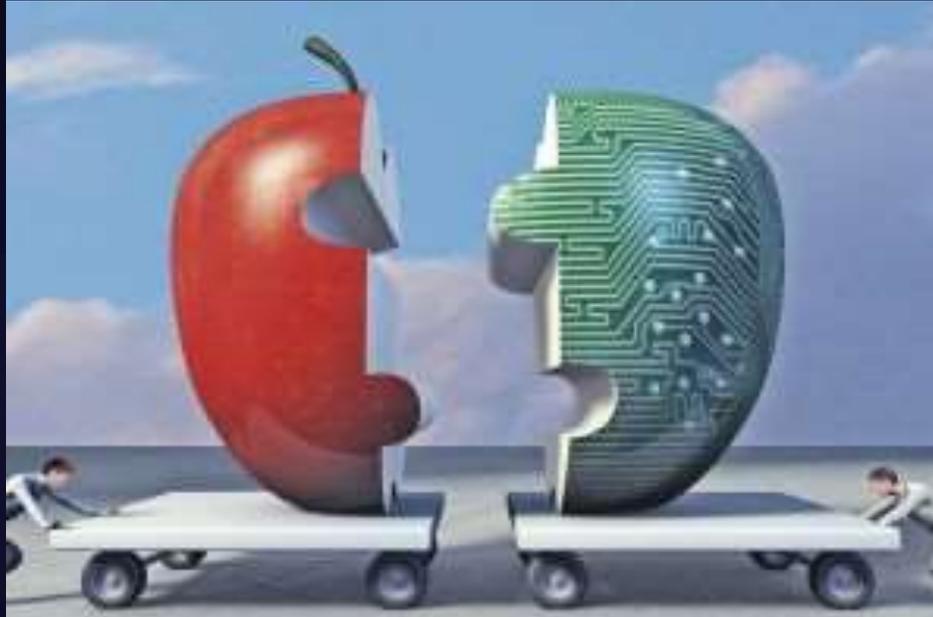
Log In

Available for students and staff at participating colleges and universities

DIG TRANSFORMATION & CULTURES OF CARE

Face to Face Infrastructure

- *Classrooms
- *Lecture Halls
- *Training Labs
 - *Locations
 - *Simulators
- *Office Hours
 - *Library
- *Open Space



Online Infrastructure

- *Website
- *Learning Mgt Systems
- *Content Repositories
- *MOOCs
- *Social Networks
- *Mobile Apps

Activities

Lecture, Dialogic, Small Groups, Contextual Learning, Simulations, Learning Communities, i-BEST, Project-Based Learning, Self-Directed Learning, Blended Learning, Accelerated Learning, Competency-Based Learning

75%

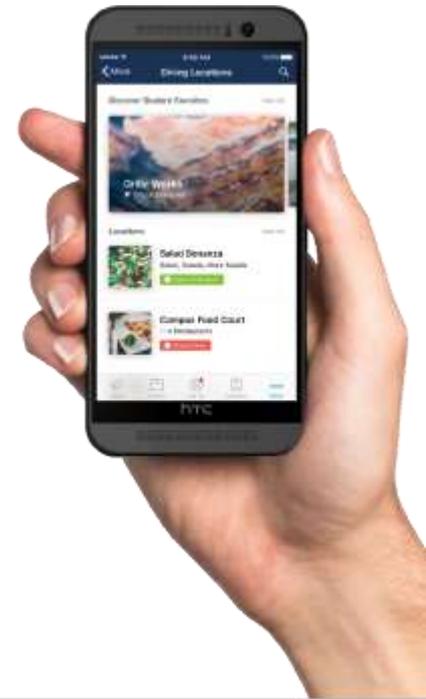
**believe using personal devices in the classroom
has improved their ability to learn**

58%

use their phones to take pictures of lecture slides

39%

use mobile devices to access a digital textbook



DIG TRANSFORMATION & CULTURES OF CARE

CRUNCH NETWORK

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

Posted 4 hours ago by Ian Hetherington



Ian Hetherington
CRUNCH NETWORK CONTRIBUTOR

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

[How to join the network >](#)

The original PlayStation was the managing Entertainment for world. The 3D envi gamers, and some initially reluctant to technology. But wit

the standard of video games, and 2D games began to be consid Consumers purchased PlayStation at record rates, buying 100 Nintendo and Sega Saturn competition.

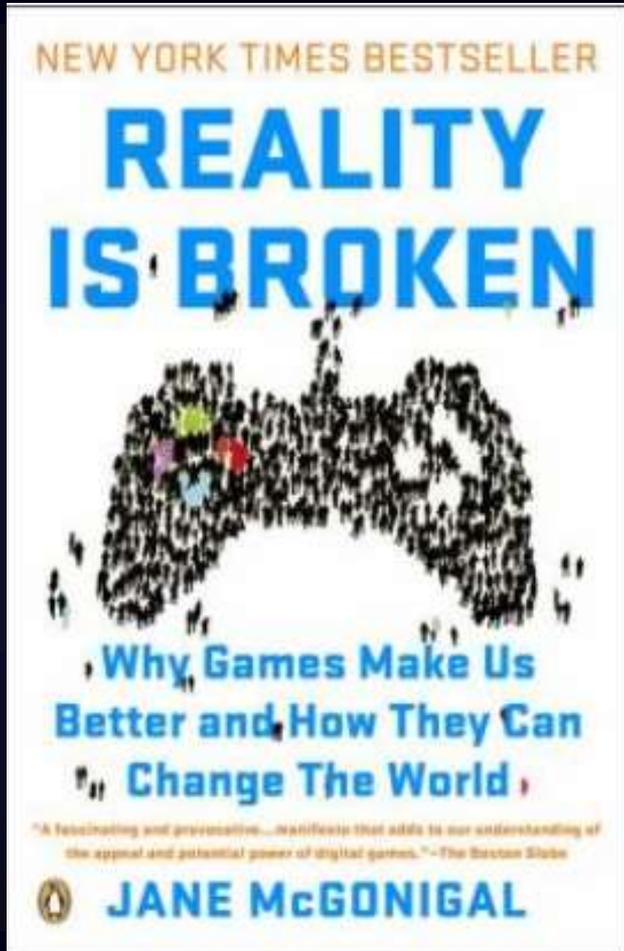
UNIQUE AIR-POWERED SOUND SYSTEM

The Infotainment system also integrates a high-end sound system from Alpine. It features the unique "FreshAir" subwoofer - a not yet released technology that uses the air outside the car to create the ultimate listening experience.

0:06 / 2:15

FEATURES ON OFF

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The death of “online” learning in higher ed

As technologies become ubiquitous, familiar labels will vanish

By Craig Weidemann and Karen Pollack — University Business, March 2016



Online learning has expanded dramatically over the past two decades, reaching a high of more than 5 million enrollments in 2013. While that expansion has slowed recently, it still far exceeds overall growth in higher education.

The growth of Penn State World Campus has mirrored this trend, consistently outpacing annual projections. What started as a portfolio of just five online programs and 41



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Transforming higher

learning
teaching



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LEARNING & EDUCATION



Internet of Things for Higher Education



RESEARCH



RESEARCH



Medications

simvastatin
(ZOCOR), 40 mg tablet

Take 1 tab by mouth nightly.

REFILL

albuterol
(PROVENTIL, VENTOLIN), 90 mcg/act inhaler

Inhale 2 puffs every 6 hours as needed for wheezing.

REFILL

levothyroxine
(SYNTHROID), 100 mcg tablet

Take 1 tablet by mouth once daily.

REFILL

diltiazem
(CARDIZEM CO), 240 MG ER capsule

The "Medications" screen lists three active medications. Each entry includes the drug name, brand name in parentheses, and dosage. Below each entry is the instruction for use and a "REFILL" button.

Appointments

NEXT 7 DAYS

SEP 19 2016 Chiropractic
Monday, September 19, 2016
7:40 AM
Stan Winston, D.C.
West Bluff Clinic

CANCEL ECHECK-IN

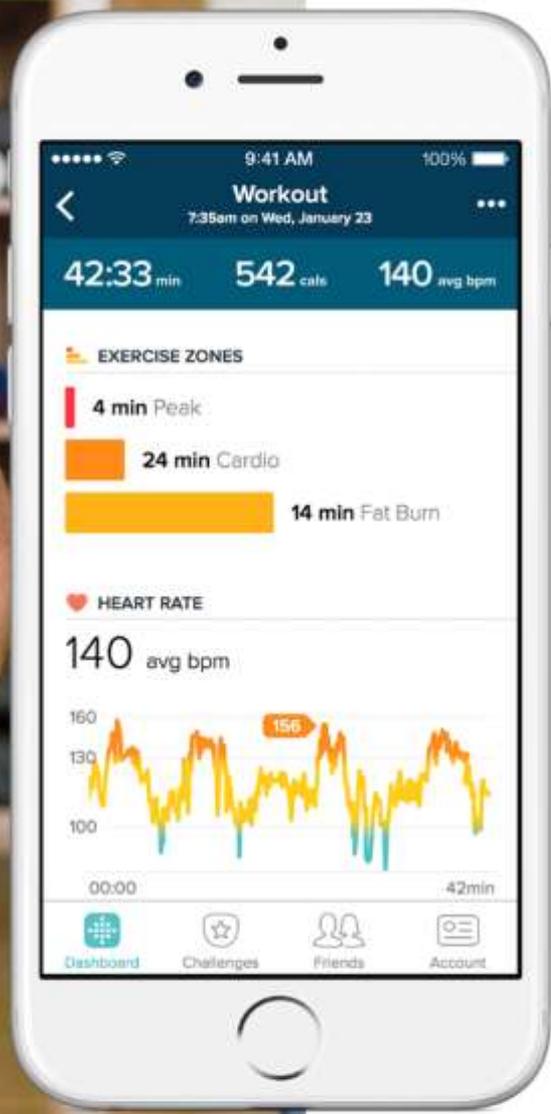
SEP 20 2016 Office Visit
Tuesday, September 20, 2016
12:15 PM
Marty Seeger, M.D.
Maple Ridge Family Practice

CANCEL ECHECK-IN

PAST

AUG 18 2016 Chiropractic
Stan Winston, D.C.
West Bluff Clinic

The "Appointments" screen shows a list of upcoming and past appointments. The "NEXT 7 DAYS" section lists two appointments: a Chiropractic visit on Sep 19 at 7:40 AM and an Office Visit on Sep 20 at 12:15 PM. Each appointment includes the provider's name and clinic. "CANCEL" and "ECHECK-IN" buttons are provided for each. A "PAST" section at the bottom shows a Chiropractic appointment on Aug 18.





SIEMENS

MAGNETOM
Acquity



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.



College Scheduler | Text Only | Help | Sign out

college scheduler BY CIVITAS LEARNING®

Course Status: Open Classes Only | Change | Term: Spring 2014

Campuses: 1 of 10 Selected | Change | Parts of Term: All Parts of Term Selected | Change

Courses + Add Course

- ACC 101 Accounting Principles I | Options | Info | Lock | Delete
- BIO 100 Introductory Biology | Options | Info | Lock | Delete
- BIO 102 Biological Science II | Options | Info | Lock | Delete
- ENG 101 English Composition I | Options | Info | Lock | Delete

Schedules + Add Break

Generate Schedules | Shuffle

View 1: Work, ACC-101-002, BIO-100-002, BIO-102-010, BIO-102-015, ...

View 2: Work, ACC-101-002, BIO-100-002, BIO-102-015, BIO-102-017, ...

Breaks

- Work MWF - 12:00pm to 3:00pm | Edit | Delete

Degree Planner

2014/2015 | 2015/2016 | 2016/2017 | See

2017/2018 | 2018/2019 | Add

Fall 2017 + Add

- ACC 101 Accounting Principles I
- ART 107 History of Early Western Art
- BUS 101 Introduction to Business

Placeholders

GE Area G: 3 Units Pick either ENG 1 or ENG 3

Spring 2018 + Add

1 Add the courses you wish to take for this term.

Summer 2018 + Add

1 Add the courses you wish to take for this term.

Plan | Options

College Scheduler | Text Only | Help | Sign out

Generate Schedules

Generated 117 Schedules

Compare | Select

View 1 | View 2 | View 3 | View 4 | View 5 | View 6 | View 7 | View 8 | View 9 | View 10 | View 11 | View 12

Open #1 | Open #3 | Open #6 | Open #9

Close





search students by first/last name, preferred name, or student ID

ADVISE



All Students 8,248

My Assigned Students 683

Advising Notes

Alerts

Groups

ENGAGE



Engagement Opportunities

Number of Opportunities 6

Students matched to an opportunity 127

Number of opportunities addressed 71

[See all opportunities](#)

Engagement opportunities surface insights to help you prioritize how to best support students. They represent circumstances that are predictive of a student's likelihood to persist and where they could benefit from engaging with support staff.

CONNECT



Calendar

Week of Nov 11, 2018

Appointments 14

Events 2

Messages 2 unread

Announcements

Library

Directory

REPORT



Create Report

Saved Reports

IMPACT

An aggregate analysis of over 1000 initiatives run by 55 unique institutions of varying size and sector has shown the following to date:

60%

Of analyzed initiatives have a **statistically significant positive** impact

4%

Of analyzed initiatives have a **statistically significant negative** impact

36%

Of analyzed initiatives have **no measurable impact**

2.91%

Average lift for programs with **statistically significant positive** impact

AT COMMUNITY COLLEGES, THE STORY IS A LITTLE DIFFERENT ...

70%
of initiatives

show a statistically significant positive impact...

...but 9%
of the students participating in these “successful” initiatives *WERE NOT positively impacted.*



30%
of initiatives

show little to no statistically significant impact...

...of these
almost no participating students saw *any* positive impact.



COMMUNITY COLLEGE TOP 5

1. Student Success Seminars/Classes
2. Advising
3. Activities/Events
4. Tutoring: Math
5. Financial Aid

*Nudging



Seminars
5.00%
average lift

Student success or first year seminars consistently demonstrate the highest overall average lift in persistence for community colleges, with 100% of analyses showing a statistically significant positive impact.



Advising
4.50%
average lift

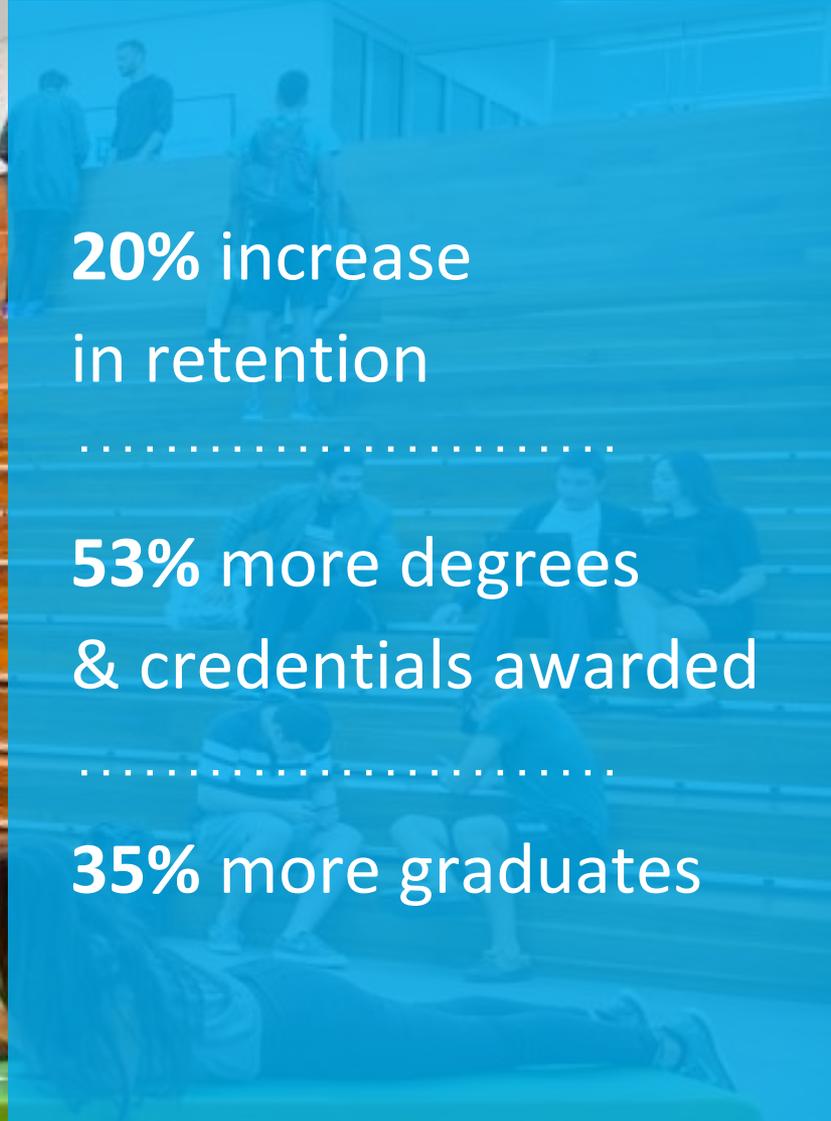
Advising services demonstrate the second highest overall average lift in persistence, but is more challenging to do well, with 77% of analyses showing a statistically significant result.



Activities
4.00%
average lift

Student engagement in co-curricular clubs and events demonstrates the third highest overall lift in persistence and is done well consistently. 100% of event-related analyses showed a statistically significant positive impact.





**20% increase
in retention**
.....

**53% more degrees
& credentials awarded**
.....

35% more graduates

STUDENT
SUCCESS IS
ABOUT PEOPLE

FEATURING
CIVITAS LEARNING
PARTNER INSTITUTIONS

LEARNING BRIEF



COLLECTIVELY WORKING SMARTER & FASTER
USING ANALYTICS TO BREAK THROUGH PERFORMANCE PLATEAUS

UNIVERSITY OF SOUTH FLORIDA®

CLOSING EQUITY GAPS, HITTING HISTORIC HIGHS IN STUDENT OUTCOMES, AND REACHING PREEMINENCE: REFLECTIONS ON THE LEADERSHIP JOURNEY AT USF

MARK MILLIRON | MARCH 3, 2019 | UNCATEGORIZED | ADD REPLY



After a conversation on the student success journey of the University of South Florida (USF) with their president, Dr. Judy Genshaft, and vice president for student success, Paul Dosal, I began reflecting on two of my recent reads. The first was *Enlightenment Now* by Steven Pinker; the second was *Atomic Habits* by James Clear. Pinker's book makes the compelling case that all the click-bait

catastrophe stories and modern-news-media pile ons about how things are going to 'Hades in a hand basket' notwithstanding, *you absolutely can reach big goals.*

Predictive Analytics in Higher Education

Five Guiding Practices for Ethical Use

By: Manuela Ekowo, Iris Palmer

Last updated on March 6th, 2016



EXTRA-ACADEMIC INNOVATION



– STATE OF STUDENTS RESEARCH OVERVIEW –

- 25-question national survey
 - *1,545 current US students*
- Statistically significant
 - 95% confidence level

$\frac{1}{4}$ of students

state that it will be difficult
or very difficult to finish



The Big List

Top challenges faced by students in their higher ed experience:

Choosing my major

Choosing which classes I need to take

Finding a course schedule that works for me each term

Balancing classes and work

Affording tuition, fees and textbooks

Affording non-academic expenses like rent, transportation, and groceries

Navigating financial aid

Navigating my academic pathway to graduation
(*e.g. term-over-term planning*)

Registering for classes

Completing all the administrative requirements

(*paperwork, meeting deadlines, etc.*)

Meeting academic deadlines

Balancing social activities and classwork

Making time to study

Knowing where to go when I need help with my studies

Adjusting to college life
(*on my own, new friends, etc.*)

Balancing college classes and work at the same time

Balancing college classes and family commitments



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 w/ low persistence likelihood

Outreach Owner

- Illume Working Group pulls student list, creates case for advisors

Strategy

- Sent before spring midterms

Sample Email: We're Proud of You!

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>



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ABOUT

THE HOPE CENTER

Too many students leave college without credentials because life, logistics, and a lack of money got in the way. These #RealCollege students are the new majority, but they are often ignored. The Hope Center for College, Community, and Justice is home to an action research team using rigorous research to drive innovative practice, evidence-based policymaking, and effective communications to support #RealCollege students.

[READ MORE](#)



LISTENING TO STUDENTS' VOICES4CHANGE

MARK MILLIRON | JULY 24, 2018 | UNCATEGORIZED | [ADD REPLY](#)



Last week, we saw the announcement of the [Hope Center for College, Community, and Justice](#), the next generation of the highly successful Wisconsin Hope Lab. The new center, located at Temple University, will continue and deepen the research and innovation aimed at helping striving students succeed in higher

education, even as they are wrestling with serious challenges such as housing insecurity, food insecurity, transportation, childcare and more,

UNIVERSITY OF THE
WITWATERSRAND,
JOHANNESBURG





Advancing Conversations

The Many Faces of Student Success

Digital Transformation and Cultures of Care

Extra-Academic Innovation



ALERTS

- SEVERE THUNDERSTORM WATCH** (+)
NWS
Sun 3:47 PM to Sun 11:00 PM
- DANGEROUS THUNDERSTORM ALERT** (+)
Sun 6:04 PM to Sun 6:49 PM
- DUST STORM WARNING** (+)
NWS
Sun 6:05 PM to Sun 6:45 PM
- DUST STORM ADVISORY** (+)
NWS
Sun 5:57 PM to Sun 6:30 PM

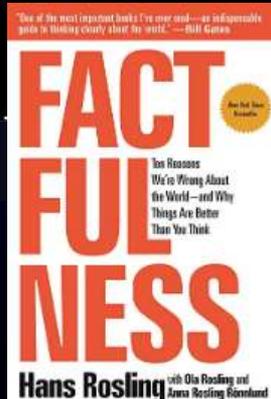
Compare Business Software

Mapbox

Manage Clients With Ease

“

People often call me an optimist, because I show them the enormous progress they didn't know about. That makes me angry. I'm not an optimist. That makes me sound naive. I'm a very serious “possibilist”. That's something I made up. It means someone who neither hopes without reason, nor fears without reason, someone who constantly resists the overdramatic worldview. As a possibilist, I see all this progress, and it fills me with conviction and hope that further progress is possible. This is not optimistic. It is having a clear and reasonable idea about how things are. It is having a worldview that is constructive and useful.



Factfulness by Hans Rosling

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