The Golden Age of Learning

Advancing the Work in Progress

Mark David Milliron
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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*
The End of Poverty
Economic Possibilities for Our Time

FOREWORD BY BONO

“Book and man are brilliant, passionate, optimistic and impatient...Outstanding.”
—THE ECONOMIST
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).


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

- Franklin Pierce Adams
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 as a common problem. Leadership tenure is crucial for institutional momentum. Presidents set the tone for their initiatives.

Student success needs to be about finding fulfillment in their careers. How do students complement technology?

Problem is that "president" is seen as a "career" not a "calling." Mark Milliron says: "Not better than better with" prestige in higher ed is like profit in corporate world.
THE MANY FACES OF SUCCESS

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Student Transformative Learning Record (STLR)

An overview of STLR, targeted to UCO students, Summer 2018
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
Still a virtual reality skeptic? Here’s why you shouldn’t be

Ian Hetherington
CRUNCH NETWORK CONTRIBUTOR

The original PlayStation was the managing director of entertainment for the world. The 3D console was a new experience for gamers, and some were initially reluctant to adopt the technology. But with the success of video games, and 2D games began to be considered appealing. Consumers purchased PlayStation at record rates, buying 160 million units in its first year.

The unique features of the PlayStation include a high-end sound system. The In-Floor sound system is designed to provide the best possible audio experience. It features a unique “FreshAir” subwoofer, a newly released technology that uses the air outside the car to enhance the listening experience.
DIG TRANSFORMATION & CULTURES OF CARE

New York Times Bestseller
REALITY IS BROKEN
Why Games Make Us Better and How They Can Change the World
JANE MCGONIGAL

New York Times Bestseller
SuperBetter
The Power of Living Gamefully
"Grounded in scientific research, and based on the experiences of over half a million people,

Jane McGonigal

"We can use the same psychological strengths we display when we play games to confront real-life challenges, from trauma and illness to just changing our habits for the better.”
—DANIEL H. PINK
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
DIG TRANSFORMATION & CULTURES OF CARE
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.
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**

Average lift for programs with **statistically significant positive impact** is **2.91%**.
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

1. 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.

2. 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.

3. 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
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
¼ 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
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>

OER Commons is a public digital library of open educational resources. Explore, create, and collaborate with educators around the world to improve curriculum.

Create OER with Open Author

Open Author helps you build Open Educational Resources, lesson plans, and courses (on your own, or with others) — and then publish them, to the benefit of educators and learners everywhere. Select one of our authoring formats to get started:
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 MILLION | 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.
Advancing Conversations
The Many Faces of Student Success
Digital Transformation and Cultures of Care
Extra-Academic Innovation
Phoenix, Arizona

Selected Location
closest strike in last 30 minutes:
- 1.4 miles
Seek Shelter Now

ALERTS
- SEVERE THUNDERSTORM WATCH
  Sun 3:47 PM to Sun 11:00 PM
- DANGEROUS THUNDERSTORM ALERT
  Sun 6:04 PM to Sun 6:49 PM
- DUST STORM WARNING
  Sun 6:05 PM to Sun 6:45 PM
- DUST STORM ADVISORY
  Sun 5:57 PM to Sun 6:30 PM
- SEVERE THUNDERSTORM WATCH
  Sun 3:47 PM to Sun 11:00 PM
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.
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