

Learning is Changing: MOOCs, The Open World, and Beyond

Curtis J. Bonk, Professor, Indiana University
cjbonk@indiana.edu
<http://mypage.iu.edu/~cjbonk/>



(Circa Confucius 551–479 BCE)



**Academos
Plato Circa 428–347 BCE**



**Poll #1:
Do you prefer this type of
education--lectures?**

A = Yes
B = No
C = Not sure



**This is a new age of
learning and instruction...!**



**From Instructor as Credit
Manager...to...**



1. Instructor as Concierge



2. Instructor as Consultant



3. Instructor as Conductor



5. Instructor as Curator



Poll#2:
Read any good books lately?



1. Drive: The Surprising Truth About What Motivates Us

Daniel Pink (2009)

Pinkcast 2.
 Advice from Adam Grant: Look for "disagreeable givers"



2. Grit: The Power of Passion and Perseverance

Angela Duckworth (2016)



3. Mindset:

The New Psychology of Success

Carol Dweck (2006)

<http://mindsetonline.com/index.html>

- Growth vs. fixed (i.e., entity) theories of intelligence
- Intelligence is not fixed
- Practice, practice, practice
- Do not blame others
- Learning goals over performance goals
- Asks: What can I learn from this?
- Asks: How can I improve?



4. Creativity, Inc. (2014)

Ed Catmull, President of Pixar Animation and Disney Animation

<http://www.creativityincbook.com/>



Poll #3: Do you remember these computers from the 1980s?



Life as an accountant/CPA in a high tech company in the 1980s...



Fast Forward 30+ Years...

"Anyone can now learn anything from anyone at any time."

SKILLSHARE LEARN TEACH

Learn anything from anyone, anywhere.



Join us! Start learning and discover unique classes in your city.

We are entering a jumping off point...

(South University of Science and Technology of China, Wednesday June 10, 2015)



Thirty Ways Learning is Changing...

(i.e., it's more informal, video-based, ubiquitous, collaborative, self-directed, global, mobile, open, massive, etc.)



I. Learning is More Mobile

(e.g., mobile courses on smartphone)

April 2, 2015

Review: Samsung rises to challenge with Galaxy S6 and S6 Edge



February 17, 2016

World's Cheapest Smartphone at \$3.67

<https://m.facebook.com/hashtag/launched?refid=528&tn=%2As>
https://m.facebook.com/story.php?story_fbid=10153960012315798&id=102527030797
<http://gadgets.ndtv.com/videos/freedom-251-launched-as-world-s-cheapest-smartphone-at-rs-251-40482>



May 14, 2015

Smartphone separation anxiety: How bad is your nomophobia?, Today Health, Meghan Holohan

<http://www.today.com/health/smartphone-separation-anxiety-how-bad-is-your-nomophobia>

Smartphone separation anxiety: How bad is your nomophobia?

Smartphone separation anxiety: How bad is your nomophobia?

It's weird being without a smartphone. It feels as if something is missing. That anxious feeling has a name -- nomophobia -- the mobile phone phobia, and researchers have found a way to evaluate how severe a person's nomophobia really is.

It's weird being without a smartphone. It feels as if something is missing. That anxious feeling has a name -- nomophobia -- (no mobile phone phobia) and researchers have found a way to evaluate how severe a person's nomophobia really is.



March 2, 2015

Beware the smartphone zombies blindly wandering around Hong Kong, Mark Sharp, South China Morning Post

<http://www.scmp.com/lifestyle/technology/article/11725001/smartphone-zombies-are-putting-your-life-and-theirs-danger>

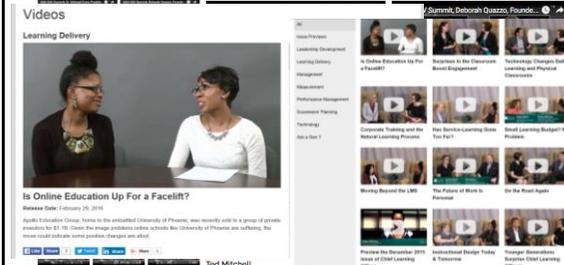
Beware the smartphone zombies blindly wandering around Hong Kong

It's a scary reality. As the smartphone craze is growing, pedestrians in the MTR and on the streets of Hong Kong. Experience elsewhere shows it can be deadly.



April 5, 2016
Association for the Advancement of Computing in Education (AACE), YouTube Channel

Featured Interviews



Videos
Learning Delivery

Is Online Education Up For a Facelift?
 Release Date: February 26, 2016
 AACE's Education Group, here to be established University of Phoenix, was recently with a group of private providers in the US. How do these providers relate to the University of Phoenix and why? Do more credit include some possible changes are what.

Ted Mitchell

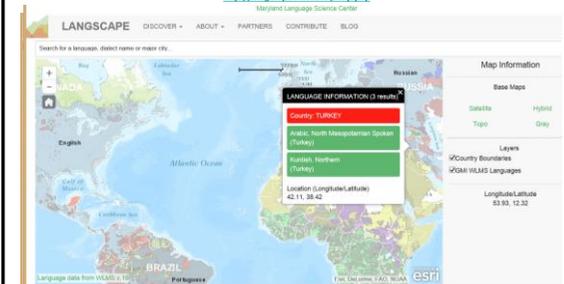
September 22, 2014
IV. Learning is More Visual
110 Foot Engagement, Elliott Masie's Learning 2014
<http://www.learning2014.com/index.php/item/110-foot-screen-engagement.html>



Map Animations
Yes, Mr. President, We Remade Our Atlas to Reflect Shrinking Ice
 Christine Dell'Amore, National Geographic, August 3, 2015
<http://blogs.nationalgeographic.com/02/08/2015/08/03/yes-mr-president-remade-our-atlas/>
<https://www.nationalgeographic.com/02/08/2015/08/03/yes-mr-president-remade-our-atlas/>



March 24, 2015
Maps of Languages
Langscape, Language at Maryland
<http://www.langscape.com/>
<http://blogs.nationalgeographic.com/02/08/2015/08/03/yes-mr-president-remade-our-atlas/>
<http://www.langscape.com/maryland/>



October 16, 2013
V. Learning is More Touch Sensored
Corporate Classrooms: Adapting to Change
 Chief Learning Officer, Frank Kalman
<http://www.dlmedia.com/articles/corporate-classrooms-adapting-to-change>



April 2, 2015
VI. Learning is More Immersive
The Quest to Put More Reality in Virtual Reality,
Review: Samsung rises to challenge with Galaxy S6 and S6 Edge,
 Edward Baig, USA Today
<http://www.usatoday.com/story/tech/columnist/baig/2015/04/31/samsung-rises-to-challenge-with-galaxy-s6-s6edge/70727752/>



NextVR crewmembers set up their virtual reality cameras at an NBA game, allowing viewers of the live event to see the game from a variety of positions in the arena.

January 7, 2016
Google Cardboard saves baby's life
 CNN, Elizabeth Cohen
<http://www.cnn.com/2016/01/07/health/google-cardboard-baby-saved/index.html>

Google Cardboard saves baby's life
 By Elizabeth Cohen, CNN Senior Medical Correspondent
 Updated 8:08 PM ET, Thu January 7, 2016



Dr. Anthony Rossi
 Nicklaus Children's Hospital

July 23, 2015
Meet Osterhout and its \$2,700 AR glasses
June 10, 2015
Augmented reality promises 'superpowers', and people are listening
 The USA Today, Marco della Cava
<http://www.usatoday.com/story/tech/2015/07/23/meet-osterhout-and-the-2700-ar-glasses/306279611>
<http://www.usatoday.com/story/tech/2015/06/10/tech-edge-spotlights-ar-augmented-reality/2874463/>



Letsee is an AR app from a South Korea consumer to scan a product and see reviews instantly overlaid overtop.

March 2, 2016
10 AR/VR sets that take you to another world
 USA Today, Marco della Cava
<http://www.usatoday.com/story/tech/news/2016/02/29/vr-ar-what-gears-here-and-whats-coming/81112842/>



I am Iron Man: That's how these augmented reality goggles feel

Samsung Gear VR offers a virtual reality experience anchored to an Android smartphone.

April 10, 2016
Virtual reality tested by NFL as tool to confront racism, sexism
 Marco della Cava, USA Today
<http://www.usatoday.com/story/tech/news/2016/04/09/virtual-reality-tested-tool-confront-racism-sexism/82674406/>



One VR diversity demo places the user in the body of an African-American woman as a white male avatar gets aggressive mere feet away. (In one Stanford VR demo, subjects are made to feel what is like to be homeless, as in this scene where the user is transported into the body of a woman riding the bus with a few possessions.)

March 26, 2014
VII. Learning also is More Collaborative
Flat Connections: Welcome to Flat Connections - Learning about the world, with the world
<http://www.flatconnections.com/>
 Global Collaboration Projects that Go Way Beyond Skype



April 28, 2016
Shindig, Video Chat Tool
Future Trends Forum (with Bryan Alexander)
<https://bryanalexander.org/>



January 19, 2015
XI. Learning is More Synchronous
 (International Open Badges Extravaganza
 European Meeting in Zoom, November 2015)



May 10, 2016
How a telepresence robot is sparking engagement
 Laura DeVaney, eCampus News,
<http://www.acampusenews.com/mobile-technology-2/telepresence-robot-engagement/?p=1&bookid=104&id=501300000008&f=5013000000457N>

How a telepresence robot is sparking engagement



A new technology enables both interactive communication and observation capabilities with a telepresence robot platform.

October 23, 2014
XII. Learning is More Digital
 New Amazon Kindle is a Voyage into eReader luxury, USA Today, Edward C. Baig
<http://www.usatoday.com/story/tech/information/2014/10/23/amazon-kindle-voyage-to-voyage-into-ereader-luxury/2779225/>




January 20, 2016
XIII. Learning is More Blended
 Universities tap growth of craft beer, offer classes, Chicago Tribune
<http://www.chicagotribune.com/business/ct-college-craft-beer-offer-classes-20160120-story.html>



March 22, 2015
XIV. Learning is More Immediate
 Madagascar marvel:
 Divers find fossils of extinct giant lemurs
 Daisy Carrington, for CNN, March 22, 2015
<http://www.cnn.com/2015/03/19/africa/underwater-fossil-lemur-graveyard-madagascar/index.html>




May 28, 2015
Immediate Science!
 Ancient jawbones put new species on the human family tree, researchers say, Laura Smith-Spark, CNN
<http://www.cnn.com/2015/05/28/africa/ethiopia-fossil-hominin-ancestor/index.html>




May 28, 2015
New species from Ethiopia further expands Middle Pliocene hominin diversity, Nature
<http://www.cnn.com/2015/05/28/africa/ethiopia-fossil-hominin-ancestor/index.html>
<http://www.nature.com/nature/journal/v521/n7553/full/nature14448.html>

THE DISCOVERY WAS MADE IN ETHIOPIA

ARTICLE

New species from Ethiopia further expands Middle Pliocene hominin diversity

Human Ancestor Discovered

April 1, 2016
Learning is More Immediate
Potential Vikings site in North America spotted from space, Jareen Inman, CNN
<http://www.cnn.com/2016/04/01/world/vikings-site-space-1ppt/index.html>

Potential Vikings site in North America spotted from space

How Far Did The Vikings Travel?

ARCHEOLOGISTS WENT TO THESE SITES AND FOUND BIG IRON ORE

SCIENTISTS SCANNED THROUGH IMAGES TO FIND SIGNS OF DISCOLORED SOIL AND CHANGES IN VEGETATION

January 14, 2016
More Immediate Science...
Move over T. rex, new dinosaur unveiled, Amanda Jackson, CNN
<http://www.cnn.com/2016/01/14/living/titanosaur-new-dinosaur-on-display-new-york-1rpt/>

Meet the Titanosaur

American Museum of Natural History

Titanosaur may be world's largest dinosaur (1/15)

April 1, 2016
More Immediate Science...
(e.g., 2,500-year-old slab reveals lost language, CNN)
(A team of scientists has uncovered a 2,500-year-old slab that may reveal details about the ancient Etruscan civilization; found in Temple Foundation north of Florence, Italy.)
<http://www.cnn.com/videos/world/2016/04/01/italy-etruscan-slab-find-srg-vstan.cnn>

Lost Language Found On Buried Stone Slab

A TEAM OF ARCHAEOLOGISTS HAS UNEARTHED A SANDSTONE SLAB THAT DATES BACK TO THE 6TH CENTURY B.C.

June 29, 2015
XV. Learning is More Informal
Is Facebook the next frontier for online learning?
 Christine Greenhow; greenhow@msu.edu, Andy Henion
<http://msutoday.msu.edu/news/2015/is-facebook-the-next-frontier-for-online-learning/>

IS FACEBOOK THE NEXT FRONTIER FOR ONLINE LEARNING?

A DOZEN WAYS to promote INFORMAL LEARNING

January 15, 2016
Wikipedia at 15
Scott McLemee, Inside Higher Ed
<https://www.insidehighered.com/digital-learning/article/2016/01/15/wikipedia-at-15>
<https://www.insidehighered.com/digital-learning/article/2016/01/15/wikipedia-at-15>

Wikipedia at 15

Celebrate or hate it as you will, writes Scott McLemee, Wikipedia has metamorphosed from its beginnings as a gangly cultural interloper into the de facto reference work of first resort.

January 15, 2016
 by **Scott McLemee**

Wikipedia came into the world 15 years ago today -- and, man, what an ugly baby. The first snapshot of it in the Internet Archive is from late March of 2001, when Wikipedia was already 10 weeks old. At that point, it claimed to have more than 3,000 pages, with an expressed hope of reaching

Half-Way Point...(Activity #1)

Please Share the Best Two Ideas so Far...

May 10, 2016

XVI. Learning is More Competency-Based Developing a Flexible Degree

Cathy Sandeen, Inside Higher Ed
<http://chronicle.com/article/College-On-Your-Own/147659/76id=at>

College, on Your Own: Competency-based education can help motivated students.

Nichele Pollock, a student in Northern Arizona U.'s competency-based bachelor's-degree program, takes a Spanish exam online.

May 5, 2014

XVII. Learning is More On Demand

Mobile MOOCs: New platform challenges conventional MOOCs

eCampus News (<https://coursmos.com/>)
<http://www.ecampusnews.com/top-news/new-platform-challenges-conventional-moocs/pdf/>

February 2, 2015

XVIII. Learning is More Hands-On

Makey Makey and the Kano

<http://makeymakey.com/>
<https://vimeo.com/60307041>

March 7, 2016

XIX. Learning is More Personal

Personalized Learning: What It Really Is and Why It Really Matters

Michael Feldstein and Phil Hill, EDUCAUSE Review
<http://er.educause.edu/articles/2016/3/personalized-learning-what-it-really-is-and-why-it-really-matters/>

May 5, 2016

Learning is More Personal

Student-Centered Learning: Functional Requirements for Integrated Systems to Optimize Learning, INCAOL

http://www.inacol.org/content/uploads/2016/02/INCOL_FunctionalRequirementsForIntegratedSystems.pdf

Figure 2. Feedback Levels

Learning is More Personal

Localization and Translation of Open Content

Coursera, Global Translator Community, Chronicle of Higher Education
<https://www.coursera.org/about/translate>

Coursera Seeks to Create a 'Global Translator Community'

Bring a great education to the world.
 Join the **Global Translator Community**.

[Sign Up](#)

The Global Translator Community (GTC) is a community of volunteers and partner organizations working to make great educational content accessible across geographic and linguistic boundaries. GTC participants work together to translate top courses on Coursera into their native languages.

Join the GTC >
 Meet our translators >

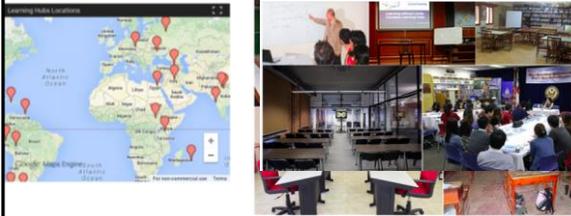


April 30, 2014

XX. Learning is More Communal

New Learning Hubs Locations Hosted by The New York Public Library and Seven Other Int'l Partners, Coursera Learning Hubs

<https://www.coursera.org/about/programs/learningHubs>
<http://blog.coursera.org/post/84322385012/new-learning-hubs-locations-hosted-by-the-new-york>




February 5, 2015

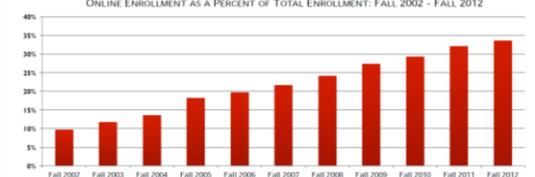
XXI. Learning is More Online

2014 Survey of Online Learning

Grade Level: Tracking Online Education in the United States, 2014, Online Learning Consortium (formerly Sloan-C), by I. Elaine Allen and Jeff Seaman

<http://www.onlinelearningconsortium.org/read/online-report-card-tracking-online-education-united-states-2015/>
<http://edition.cnn.com/videos/business/2015/02/11/twit-yale-offers-online-degree-2u-ceo.cnn>

ONLINE ENROLLMENT AS A PERCENT OF TOTAL ENROLLMENT: FALL 2002 - FALL 2012



Year	Percentage
Fall 2002	10%
Fall 2003	12%
Fall 2004	14%
Fall 2005	17%
Fall 2006	19%
Fall 2007	21%
Fall 2008	23%
Fall 2009	25%
Fall 2010	27%
Fall 2011	29%
Fall 2012	31%

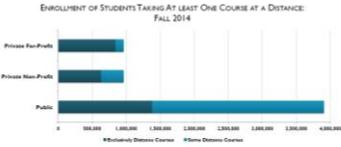
February 2016

Online Report Card – Tracking Online Education in the United States

Babson Survey Research Group and co-sponsored by the Online Learning Consortium (OLC), Pearson, StudyPortals, WCET and Tyton Partners

<http://onlinelearningconsortium.org/read/online-report-card-tracking-online-education-united-states-2015/>
<http://onlinelearningconsortium.org/reports/online-report-card.pdf>

ENROLLMENT OF STUDENTS TAKING AT LEAST ONE COURSE AT A DISTANCE: FALL 2014



Sector	Enrollment (Approximate)
Private For-Profit	1,000,000
Private Non-Profit	1,000,000
Public	1,000,000

There is variation in the proportion of students taking "At Least One" course at a distance by sector:

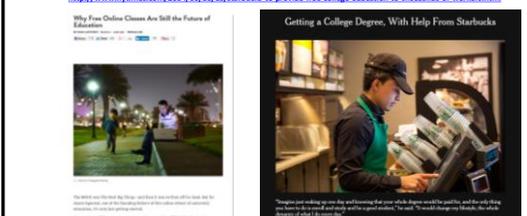
- 27% of public institution students took at least one distance course.
- 23% of private non-profit students took at least one distance course.
- 60% of private for-profit students took at least one distance course.

June 15, 2014

Learning is More Online

Starbucks offers workers 2 years of free college, CNN Money, Gregory Wallace (from Arizona State online programs)

http://money.cnn.com/2014/06/15/news/economy/starbucks-schultz-education/index.html?hpt=hp_t2
<http://www.nytimes.com/2014/06/16/us/starbucks-to-provide-free-college-education-to-thousands-of-workers.html>



November 18, 2015

Focused Ga. Mom Completes College Exam While in Labor, Fox 5, Atlanta
<http://www.fox5atlanta.com/news/50990044-story>



October 30, 2015

Migrants get help through German online university

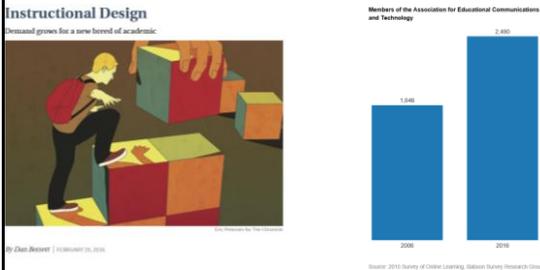
Mihret Yohannes and Jabeen Bhatti, Special for USA TODAY, USA Today
<http://www.usatoday.com/story/news/world/2015/10/29/migrants-get-help-through-german-online-university/74472269/>
 "Kiron (University) relies on existing "mass open online courses," or MOOCs, and works with eight academics from Harvard and MIT to create a two-year course of study. This will provide many refugees with credits that can transfer to 35 traditional, brick-and-mortar universities across Europe that are partners with Kiron."



February 29, 2016

Instructional Design: Demand grows for a new breed of academic

The Chronicle of Higher Education, Dan Berrett
<http://chronicle.com/article/Instructional-Design/235425>



May 8, 2012

XII. Learning is More Comfortable

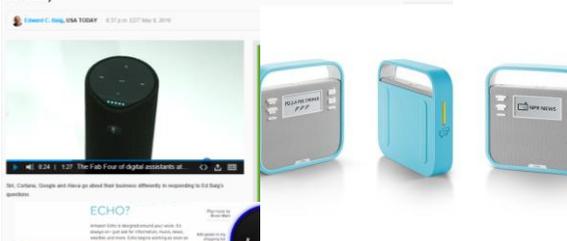
Design for Students, with Students, "Hub Central", the \$42 million University of Adelaide learning hub opened in October 2011, May 8, 2012, Mike Roberts
<http://designbuildsource.com.au/design-for-students-with-students>



May 11, 2016

XIII. Learning is More Voice Activated

Google may have its own Echo coming soon (i.e., codename of "Chirp"), Elizabeth Weise, USA Today
<http://www.usatoday.com/story/tech/columnists/weise/2015/05/09/google-echo-creators-think-they-have-another-sonos-chirp/8433244/>
<http://www.usatoday.com/story/tech/news/2015/05/10/google-echo-creators-think-they-have-another-sonos-chirp/8433244/>



June 17, 2015

XIV. Learning is More Ubiquitous

With Its Invention, This Bengaluru-Based Startup Could Beat Google and Facebook, Kirti Sharma,
<http://www.indianweb2.com/2015/11/17/saankhya-labs-pruthvi-chip/>

	White Space	Wireless (WiFi)	Satellite	Cellular (4G)
Upfront Capex for building network	Low	High	Low	High
Time to build the network	Short	Long	Short	Very Short
Spectrum or Licensing Cost	Low	High	High	Very High
Network Deployment	Low	Free	High	Low
Network Congestion	Low	Low	High	High
Data Speed	Medium	Very High	Low	High
Network Connection	Dedicated	Medium	Shared	Shared

Table comparing the various network types.



April 13, 2016
Facebook debuts terrestrial tech to deliver Internet

Jessica Guynn, USA Today

<http://www.usatoday.com/story/tech/news/2016/04/13/facebook-terragraph-project-articles/82950840/>



Terragraph places small nodes or boxes on lamp posts, buildings, bus stops and the like at distances up to 820 feet apart to bring high-speed Internet to dense urban areas. (Photo: Facebook)

August 5, 2014
XV. Learning is More Free

OpenStax Aims To Bring Free Digital Textbooks to High Schools, David Nagel, THE Journal

<http://thejournal.com/articles/2014/08/05/openstax-aims-to-bring-free-digital-textbooks-to-high-schools.aspx>

New mobile app helps a Cambridge press offer free digital monographs even to those without computers



Screen savours: books can now be read on almost any mobile phone



The V-PORTAL (Bonk, IU)
 "Video Primers in an Online Repository for e-Teaching and Learning" V-PORTAL, TravelinEdMan (27 free/open YouTube videos)
<http://www.youtube.com/user/TravelinEdMan>



February 2013
XXVI. Learning is More Self-Directed
TED Talks

(Build a School in the Cloud; Self-Organized Learning Environments (SOLEs), TED Talk from Sugata Mitra
http://www.ted.com/talks/sugata_mitra_build_a_school_in_the_cloud.html



May 26, 2015
XXVII. Learning is More Global
 Exploring by the Seat of Our Pants
 National Geographic, Jessica Shea
<http://blog.education.nationalgeographic.com/2015/05/26/exploring-by-the-seat-of-our-pants/>



Two men living in Dadaab, a refugee camp in Kenya, would watch lecture videos and take online quizzes at a nearby United Nations compound. (InZone)

September 15, 2015
MOOCs for Social Impact

Social Learning for Social Impact, edX
 Join the world's first GROOC – a MOOC for groups – to collaborate with others globally and create social change.
<https://www.edx.org/course/social-learning-social-impact-edx-grooc>
<https://www.youtube.com/watch?v=368v5WNg-5LFAMJ1>



September 15, 2015

Social Learning for Social Impact, edX

Join the world's first GROOC – a MOOC for groups – to collaborate with others globally and create social change.

<https://www.edx.org/course/social-learning-social-impact-mooc-itg-grooc>
<https://www.youtube.com/watch?v=386&v=WNq-5LEAMdI>



Maybe you're ready for a global conversation about what you want to do.

April 20, 2015

XXVIII. Learning is More Open

250 MOOCs and Counting: One Man's Educational Journey, Chronicle of Higher Education

<http://chronicle.com/article/250-MOOCsCounting-One/229397/?cid=at>
 If the MOOC movement has faded, nobody told Jima Ngei. Mr. Ngei, who lives in Port Harcourt, Nigeria, has completed and passed 250.



Jima Ngei: "I had this unrelenting fear that this miracle of free access might evaporate soon."

January 13, 2016

As an Open-Access Megajournal Cedes Some Ground, a Movement Gathers Steam

Paul Basken, Chronicle of Higher Education

http://chronicle.com/article/As-an-Open-Access-Megajournal/234890?key=YVWt4pQbDfA-X0m6d7CwpC5qQvYAS_VY2a1h1uURMEALGCTJhONUR3Vh1VWLUASZfYUENYVNW@uocwzWtfr

Open Access Makes Steady Gains

Year*	All published research articles	Articles published in fully open-access format	Percentage
2008	2,088,373	87,132	4.2%
2009	2,122,213	112,155	5.3%
2010	2,088,077	135,588	6.5%
2011	2,195,708	153,965	7.0%
2012	2,308,356	178,962	7.7%
2013	2,490,515	207,024	8.3%
2014	2,378,854	228,617	9.7%
2015	2,614,728	234,238	9.0%

Source: Thomson Reuters, Study of Science Indicators of scientific journal articles. [Get the data](#)

August 4, 2015

XXIX. Learning is More Modular

How Nanodegrees Are Disrupting Higher Education

John Waters, Campus Technology

<http://campustechnology.com/articles/2015/08/05/how-nanodegrees-are-disrupting-higher-education.aspx>



September 2, 2014

XXX. Learning is More Massive

Sample Course: Open Knowledge: Changing the Global Course of Learning

[https://class.stanford.edu/courses/Education/OpenKnowledge/Fall2014/about/#software\(\\$30\):http://www.palgrave.com/invasion_of_the_moocs](https://class.stanford.edu/courses/Education/OpenKnowledge/Fall2014/about/#software($30):http://www.palgrave.com/invasion_of_the_moocs)
Free PDF: http://www.palgrave.com/pdf/invasion_of_the_moocs.pdf



State of the MOOC 2016:

A Year of Massive Landscape Change For Massive Open Online Courses, Online Course Report

<http://www.andersonreport.com/state-of-the-mooc-2016-a-year-of-massive-landscape-change-for-massive-open-online-courses/>
<http://chronicle.com/article/State-of-the-MOOC-2016-a-Year-of-Massive-Landscape-Change-for-Massive-Open-Online-Courses/23212>

Growth of MOOCs

Since the first blockbuster MOOCs debuted, in 2011, the cumulative number of courses started or scheduled has reached nearly 4,000.



MOOCs biggest Month: Choose From 1,100 MOOCs In October

Source: Class Central [Get the data](#)

May 2013 Research Topic #1. Dropout (i.e., retention) Concerns MOOCs @ Edinburgh 2013– Report #1

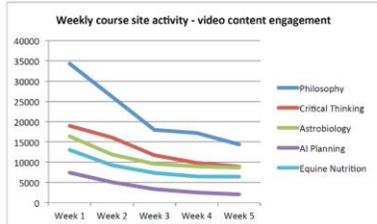
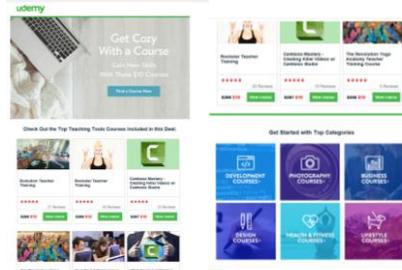


Figure 7 - Week by week activity tracking of the number of unique course participants engaging with video content – viewed and downloaded combined results – during the first 5 weeks (applicable to 5 courses in total)

January 20, 2016 Udemy: “Get cozy with a class”

udemy@email.udemy.com



January 5, 2016 Use Of MOOCs And Online Education Is Exploding: Here's Why

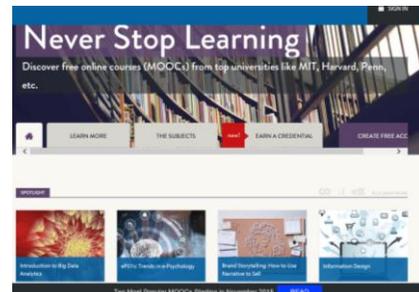
Josh Bersin, Forbes

<http://www.forbes.com/sites/joshbersin/2016/01/05/use-of-moocs-and-online-education-is-exploding-heres-why/#229acd4d7f09>



November 19, 2015 Ten Most Popular MOOCs Starting in November 2015, Class Central Blog

<https://www.class-central.com/>

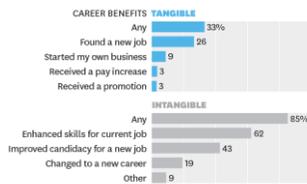


September 22, 2015 Who's Benefiting from MOOCs, and Why

Chen Zhenghao, Brandon Alcorn, Gayle Christensen, Nicholas Eriksson, Daphne Koller, Ezekiel J. Emanuel, Harvard Business Review
<https://hbr.org/2015/09/whos-benefiting-from-moocs-and-why>

The Career Benefits of MOOCs

As reported by those who stated career benefits as their primary reason for completing a MOOC.



SOURCE COURSEERA SURVEY DATA

© HBR.ORG

May 4, 2016 This Mongolian Teenager Aced a MOOC. Now He Wants to Widen Their Impact

The Chronicle of Higher Education, Jeffrey R. Young
<http://chronicle.com/article/This-Mongolian-Teenager-Aced-a-MOOC-Now-He-Wants-to-Widen-Their-Impact/>

THE CHRONICLE OF HIGHER EDUCATION

Home News Global Opinion & Ideas Facts & Figures Blogs Advice Forums

TECHNOLOGY

This Mongolian Teenager Aced a MOOC. Now He Wants to Widen Their Impact.

By Jeffrey R. Young | MAY 04, 2016



This is the latest episode of our new podcast series on the future of higher education. You can subscribe in iTunes to get prior and future episodes.

March 4, 2016
MOOCs: vital tools in education of the future – or over-hyped online fad? (embedded video: 8:01)
 Euro News, Sarah Chappell
<https://blogs.worldbank.org/edutech/edtech-and-mooc-times-china>

SPECIAL REPORTS | learning world

MOOCs: vital tools in education of the future – or over-hyped online fad?

By Sarah Chappell




May 26, 2015
Edtech and MOOC Times in China
 Michael Trucano On Tue, 05/12/2015, EduTech
<https://blogs.worldbank.org/edutech/edtech-and-mooc-times-china>

Edtech and MOOC Times in China

SUBMITTED BY MICHAEL TRUCANO ON TUE, 05/12/2015



June 26, 2015
In China, Where Everything is a MOOC
 Education Week, Justin Reich, HarvardX Research Fellow
http://blogs.edweek.org/edweek/edtechresearcher/2015/06/in_china_where_everything_is_a_mooc.html?r=284759437

The most memorable line from my recent visit to China was this: "We have 12 million K-12 teachers in China who need to receive this particular in-service training, so we started with a group of about 200,000."

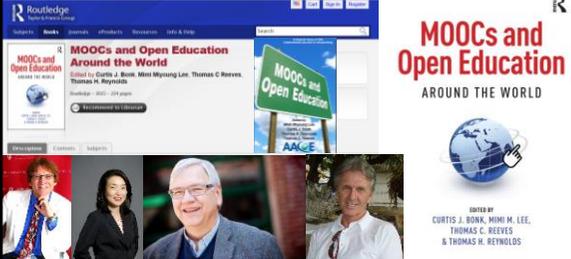


MOOCs and Open Education Around the World
<http://routledge-ny.com/books/details/9781138807419/>

Routledge

MOOCs and Open Education Around the World

Edited by Curtis J. Bonk, Mihai Mişcunescu, Thomas C. Reeves, Thomas H. Reynolds




Let's Review: Learning is Changing...
 (i.e., it's more informal, video-based, ubiquitous, collaborative, self-directed, global, mobile, open, massive, etc.)




Frank Basile, an aircraft technician, took an MITx course on circuits and electronics to increase his knowledge.

Joe Alfonso, a financial adviser from Oregon, is taking the online finance course as a "refresher."

Poll #4: Does all this give you a headache?



**Not Me...I am happy!
and...
My minions are happy!**



**Remember: We are entering
a jumping off point...**

(South China Normal University,
Friday June 12, 2015)



**Activity #2:
What are 3 things that you
learned?**



**Activity #3:
Which learning trend is the
most important?**

IMPORTANT



**Activity #4:
Share Three
Words from this
Session!**



3 3 3



Any Comments or Questions?

Slides at: TrainingShare.com

Papers: PublicationShare.com

Book: <http://tec-variety.com/>

Email: curt@worldisopen.com

