We’re All in for a Transformation: MOOCs and Open Education in the Global South

Curtis J. Bonk, Professor, Indiana University
cjbonk@Indiana.edu, http://curtbonk.com

May 22, 2019
How computing's first 'killer app' changed everything
Computers Spreadsheets (e.g., VisiCalc)
Tom Harford, BBC News

April 22, 2019
Videoconferencing (e.g., CU-SeeMe)
http://www.umich.edu/~comm464/virtcomm/mingchen/

1995
Learning Management Systems (e.g., Nicenet)
http://etc.ctit.ubc.ca/S10Wiki/A_Nicenet_Approach

November 10, 2019
Online Learning
IU online enrollment on significant upswing
Michael Reschke, Herald Times

November 10, 2019
IU online enrollment on significant upswing
Michael Reschke, Herald Times

Dan Bricklin, inventor of the first computer spreadsheet
November 10, 2019
IU online enrollment on significant upswing
Michael Reschke, Herald Times

![Graph showing IU online enrollment growth](https://example.com)

Source: IU University Institutional Research and Reporting

April 4, 2001
The Emergence of Open Education

![Image of OpenEd19 t-shirt](https://example.com)

February 27, 2017
Learning became more Self-Directed
The LMS Market is Quickly Losing Ground
Carol Leaman, CLO

https://www.openlearning.com/
https://www.openlearning.com/

January 4, 2018
Maryland OER Summit – Keynote with Cable Green and David Wiley

https://www.youtube.com/watch?v=pLqLXz6shg
https://creativecommons.org/2019/07/10/sharing-generosity-and-gratitude/

November 6, 2019
Open Education... Is Closed
Michael Feldstein, eLiterate Blog

https://eliterate.us/the-crumbling-of-the-opened-coalition/

Lillah Burke, Inside Higher Ed


September 10, 2019
Then Came MOOCs!
Simon Nelson, CEO, FutureLearn, PCF9 Conference, Edinburgh, Scotland

![Image of MOOCs](https://example.com)
September 10, 2019
The Future of Learning,
Transforming Access
Simon Nelson, CEO, FutureLearn, PCF9 Conference, Edinburgh, Scotland

MOOCs were only one part of a wider market shift
... but have been the catalyst for major innovation in HE

September 10, 2019
The Future of Learning,
Transforming Access
Simon Nelson, CEO, FutureLearn, PCF9 Conference, Edinburgh, Scotland

13.9 million
new students per year until 2030
700 new universities needed EACH YEAR to meet demand

September 10, 2019
The Future of Learning,
Transforming Access
Simon Nelson, CEO, FutureLearn, PCF9 Conference, Edinburgh, Scotland

Degrees
Our unique approach for learners

September 10, 2019
The Future of Learning,
Transforming Access
Simon Nelson, CEO, FutureLearn, PCF9 Conference, Edinburgh, Scotland

Jobs landscape: 2022

September 10, 2019
The Future of Learning,
Transforming Access
Simon Nelson, CEO, FutureLearn, PCF9 Conference, Edinburgh, Scotland

Social Learning
Some Weird Things
Going On...

Never Stop Learning
I'M WEIRD!
But I know you love me!
Weirdness #1...We’re Teaching the World
June 19, 2018
How Blockbuster MOOCs Could Shape the Future of Teaching
Jeffrey R. Young, EdSurge

Weirdness #2: Your Friends are doing MOOCs
June 15, 2017
Massive List of MOOC Providers Around The World, Class Central
JMOOC, K-MOOC, and T-MOOC?
https://class-central.com/report/mooc-providers-list/

Weirdness #3: Cyber Monday Discounts
Email inbox: November 26, 2018
edX
https://www.edx.org/course

Save 20% on MOOCs!
May 30, 2019
From: edX <news@edx.org>
Sent: Thursday, May 30, 2019 10:12 AM
To: Bonk, Curtis Jay <cjbonk@indiana.edu>
Subject: We have some big news.

June 2, 2019
From: edX <news@edx.org>
Sent: Sunday, June 2, 2019 10:07 AM
To: Bonk, Curtis Jay <cjbonk@indiana.edu>
Subject: Going, going...almost gone.

Weirdness #4...MOOCs in Wedding Announcements
September 26, 2018
The Future of Professional Credentialing ... in an Engagement Announcement
Joshua Kim, Inside Higher Ed

The future bride graduated from the University of Vermont with a bachelor’s degree in anthropology and is currently pursuing a master’s degree in public health. She is employed as a care navigator with Apple.

The future groom graduated from Worcester Polytechnic Institute with a bachelor’s degree in mechanical engineering and is currently pursuing a master’s degree in mechanical engineering. He has been accepted into the Harvard Business School COO program and plans to start in November. He is currently working as a technical program manager at Apple.

They are planning on a summer wedding in 2020.
Weirdness #5...The MOOC Wave
May 21, 2018
The Second Wave of MOOC Hype Is Here, and It’s Online Degrees
Dhawal Shah, Class Central

September 12, 2018
Coursera's CEO on the Evolving Meaning of 'MOOC'
Dian Schaffhauser, Campus Technology

October 12, 2018
Weirdness #6...Degrees Via the MOOC
EdX: From MicroMasters to Online Master’s Degrees
Lindsey McKenzie, Inside Higher Ed

Weirdness #7...MOOC-based Pricing Charts
December 30, 2018
MOOC-Based Degrees, Pricing Chart
IBL News
https://www.class-central.com/pricing-charts/mooc-based-degrees

Weirdness #8...Discounted MOOC-based MBAs
August 7, 2017
FutureLearn and Coventry University to Roll Out 50 Online Degrees (Last year Deakin University announced a similar partnership with FutureLearn)
Class Central, Dhawal Shah

Weirdness #9...Stackable Degrees
January 20, 2019
Stackability is a Learning Strategy
Matthew Rascoff and James DeVaney, Inside Higher Ed
January 9, 2018
MicroMaster’s Degrees
MIT launches MITx MicroMasters in Principles of Manufacturing, MIT Open Learning

March 4, 2019
35+ Legit Master’s Degrees You Can Now Earn Completely Online
Laurie Pickard, Class Central

Weirdness #10: Hundred+ MOOC Clubs
April 20, 2015
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 failed, nobody told Jima Ngei. Mr. Ngei, who lives in Port Harcourt, Nigeria, has completed and passed 250.

Weirdness #8: Hundred+ MOOC Clubs
September 11, 2019
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 failed, nobody told Jima Ngei. Mr. Ngei, who lives in Port Harcourt, Nigeria, has completed and passed 250.

MOOCs are not dead
August 19, 2018
Cumulative Growth in Number of MOOCs, 2011-18
Almanac 2018, Chronicle of Higher Education
https://www.chronicle.com/article/Top-5-MOOC-Providers-by-Number/244090?cid=cp216
Top five MOOC providers

- Coursera - 37 million
- edX - 18 million
- XuetangX - 14 million
- Udacity - 10 million
- FutureLearn - 8.7 million

Of the more than 11,400 massive open online courses that have ever been offered, nearly 40 percent were in technology or business. Mathematics was the field with the fewest course offerings.

2018’s Most Popular Free Online Courses:
Coursera, edX, Udacity, and FutureLearn.
Dhawal Shah, Class Central—January 6, 2019

https://www.class-central.com/list/2018-most-popular-free-online-courses-wdthew
1. Motivation for teaching MOOCs

2. Motivation for teaching MOOCs

3. Expected benefits of teaching MOOCs

4. How did participants learn about creating MOOCs

November 20, 2019
Who's Completing Microcredentials?
Lilah Burke, Inside Higher Ed
October 2018
Benefits and Costs of MOOC-Based Alternative Credentials: 2017 - 2018 Baseline Survey Results
Fiona Hollands and Aasiya Kazi, Teachers College
https://docs.wixstatic.com/ugd/cc7beb_5803e625ebee463ebc6f4796027366f1.pdf

June 3, 2019
MOOC-Based Alternative Credentials: What’s the Value for the Learner?
Fionna Hollands and Aasiya Kazi, EDUCAUSE Review

June 3, 2019
MOOC-Based Alternative Credentials: What’s the Value for the Learner?
Fionna Hollands and Aasiya Kazi, EDUCAUSE Review

November 2019
Benefits and Costs of MOOC-Based Alternative Credentials
2018-2019 Results from End-of-Program Surveys
Fiona Hollands and Aasiya Kazi, Teachers College
https://docs.wixstatic.com/ugd/a74e1be71afb4e72bb7f44adaf03d9eb.pdf
Benefits and Costs of MOOC-Based Alternative Credentials
2018-2019 Results from End-of-Program Surveys
Fiona Hollands and Aasiya Kazi, Teachers College

https://8606adb0-7829-4e6c-a502-3e181c6f3720.filesusr.com/ugd/cc7beb_a74e1be71afb4e72bb7f44adaf03d9eb.pdf

Fiona Hollands and Aasiya Kazi, Teachers College

Benefits and Costs of MOOC-Based Alternative Credentials
2018-2019 Results from End-of-Program Surveys
Fiona Hollands and Aasiya Kazi, Teachers College

https://8606adb0-7829-4e6c-a502-3e181c6f3720.filesusr.com/ugd/cc7beb_a74e1be71afb4e72bb7f44adaf03d9eb.pdf

June 3, 2019
MOOC-Based Alternative Credentials: What’s the Value for the Learner?
Fiona Hollands and Aasiya Kazi, EDUCAUSE Review


November 26, 2019
Chapter 1. MOOCs and Open Education in the Global South: Successes and Challenges
Ke Zhang, Curtis J. Bonk, Thomas C. Reeves, and Thomas H. Reynolds

https://www.amazon.com/MOOCs-Open-Education-GLOBAL-South-0367025779/dp/0367025779/ref=mt_paperback?_encoding=UTF8&me=&qid=1570630210

MOOCs and Open Education in the Global South: Challenges, Successes, and Opportunities
Ke Zhang, Curtis J. Bonk, Thomas C. Reeves, and Thomas H. Reynolds

https://www.amazon.com/MOOCs-Open-Education-GLOBAL-South-0367025779/dp/0367025779/ref=mt_paperback?_encoding=UTF8&me=&qid=1570630210
The name of the Himalayan peak is Mt. Nilgiri with 7061 Meters height.

Biswa Raj Gautam, Program Specialist, Regional English Language Office (RELO), U.S. Embassy, Nepal.

With Baman Kumar Ghimire, Motherland Secondary School, Pokhara, Nepal

November 9, 2019
Greetings from Nepal,
Baman Kumar Ghimire
Teacher, Motherland Secondary School, Pokhara

Hello MOOC Mentors,
Greetings from Nepal
A piece of exciting outcome from Nepal. In February 2019, I held a workshop in a school about 70 students of age 13-15. I was excited to learn that in less than 8 months 78 students of age 10-15 from that school completed at least 1 MOOC. In February 2019, I held a workshop in a school about 70 students of age 13-15. I was excited to learn that in less than 8 months 78 students of age 10-15 from that school completed at least 1 MOOC. They have started mentoring MOOC to the neighboring schools, too. They are guided by no any incentives nor the craze for the popularity but they enjoy learning Online and taming fellows be digitally smart. Thus, through my request, last month, Regional English Language Officer (RELO) from US Embassy Nepal visited the school to honor their MOOC-Craze handing them the certificate they got.

Likewise, lately reported that, a school whose head teacher and a few students I mentored in 2017 has about 350 students completing at least a MOOC. Acknowledging the benefits of MOOCing and the growing interest of the students and guardians, the school administration has made at least a MOOC compulsory for the students age 11-14 in its school.

I am working on a next research on if MOOCs can benefit the students in Nepal. I have surveyed almost 800 high school students from semi-urban regions of Nepal for the cause. Let’s see what the finding will be!

Thanks for activating my MOOC spirit!

Good times,
Baman Kumar Ghimire
Teacher, Motherland Secondary School, Pokhara
Alumnus, International Exchange Programs (USA)
Alumnus, Australia Awards

November 26, 2019
Chapter 16: Courses for a Cause...
(Veg garden planting and eco education in Soweto)
Marianne Krasny, Britteny Lopez Hampton Coleman, Zahra Golshani, Michael Schrenk, Gail L. Woon, Yueyang Yu, Massango (Masay) Roderick Warakula, and Juan Felipe Restrepo Mesa

November 26, 2019
Chapter 16: Courses for a Cause: MOOC Contributions to a “Better Place for All”
Cornell University’s Civic Ecology Lab (Marianne Krasny et al., 2020)
November 26, 2019
Courses for a Cause: MOOC Contributions to a “Better Place for All” (Marianne Krasny et al., 2020)

Chapter 6. Massive Open Online Courses: The State of Practice in Indonesia
Tian Belawati

Chapter 8. A Different Kind of MOOC Architecture for Emerging Economies in the Pacific and Oceania
Deepak Bhartu and Som Naidu

Chapter 12. Insights into a Nationwide pdMOOC portal: Bilgeis.net of Turkey
Kursat Cagiltay, Sezin Esfer, and Berkan Celik
November 26, 2019
Chapter 13. Promoting Open Education and MOOCs in Thailand: A Research Based Design Approach
Jintavee Khaisang and Thapanee Thammetar

November 26, 2019
Sanjaya Mishra, Martha Cleveland-Innes, and Nathaniel Ostashewski

November 26, 2019
Sanjaya Mishra, Martha Cleveland-Innes, and Nathaniel Ostashewski

November 26, 2019
Chapter 18. A Glimpse on How MOOCs from IDB are Impacting Learners in Latin America and the Caribbean
Edgar González, Antonio García, Carlos Macher, and Dou Zhang

November 26, 2019
Chapter 21. OERs for Development (OERs4D) Framework as Designed and Implemented in the Philippines
Melinda dela Pena Bandalaria

November 26, 2019
Chapter 23. Open Education at the World Bank: A Significant Dividend for Development
Sheila Jagannathan
November 26, 2019
Chapter 23. Open Education at the World Bank: A Significant Dividend for Development
Sheila Jagannathan

November 26, 2019
Chapter 24. From OER to OEP: The Case of an OER-Integrated Teacher Education eLearning Program in Africa
A. Atieno Adala

June 7, 2019
Online Classrooms Look to Improve Higher Education Across Africa, but Face Skepticism
Karin Fischer, The New York Times
https://www.nytimes.com/2019/06/07/education/learning/online-higher-education-opportunities-africa.html

Margaret Simbunji earned her M.B.A. from the University of South Wales through Unicaf University and says it helped her get a promotion as a bank auditor in Zambia.

Emily Kamizi, right, at a market near her home in Lusaka, Zambia, is studying for an M.B.A. through Unicaf, whose courses are mostly online.

November 26, 2019
Chapter 25. Responsive Innovations in MOOCs for Development: A Case Study of AgMOOCs in India
Balaji Venkataraman and Tadinada V. Prabhakar

April 2, 2019
In India, MOOCs Are Now Part of the Education System
Manoal Cortes Mendez, Class Central
https://www.classcentral.com/report/swayam-credit/

November 8, 2018
Chapter 27 Evolution of Online Learning Environments and the Emergence of Intelligent MOOCs
Paul Kim and Jieun Lee
AI Question Asking
(Paul Kim keynote in Taiwan; Education 4.0 Conference)
https://www.facebook.com/digitalschema/videos/10217854957270186/

November 8, 2018
Chapter 27 Evolution of Online Learning Environments and the Emergence of Intelligent MOOCs
Paul Kim and Jieun Lee
AI Question Asking
(Paul Kim keynote in Taiwan; Education 4.0 Conference)
https://www.facebook.com/digitalschema/videos/10217854957270186/
What is turbulence?

Why is turbulence dangerous to small airplanes?

▪ When did Elon successfully launch the SpaceX program?
・ Who admitted that launching the car into space was "kind of silly and fun?"

▪ What are the things Tesla designed?
・ What were the things Tesla couldn’t determine the cause of?

▪ How do you compare Elon Musk and Nicolas Tesla?
・ How is Mars different from Jupiter?

▪ Why did Tesla build a plant in Colorado, not in New York?
・ Why did Tesla at first consider whether they were “electrical disturbances as are produced by the sun?”

▪ If he did not devise ever-more sensitive receivers to detect these waves, what could have been the consequence?
・ If he did not introduce the AC motor in the late 1880, what would have been the consequence?

June 13, 2019
Paul Kim flies plane
https://www.dropbox.com/s/9x1ply0suis1j9i/GH050151.MP4?dl=0

September 9, 2019
Asha Kanwar, President and CEO, Commonwealth of Learning (COL), PCF9 Conference, Edinburgh, Scotland
September 9, 2019
Asha Kanwar, President and CEO, Commonwealth of Learning (COL), PCFO Conference, Edinburgh, Scotland

Inclusion
• 186 million disabled children have not completed primary school
• 90% disabled children are out of school in developing countries
• Access to tertiary education for people with disabilities is 3%

July 16, 2019
Reaching Refugee Students Through Skype
Melanie Hering, New Learning Times
https://newlearningtimes.com/cms/article/6369/reaching-refugee-students-through-skype
Over three years, he has recruited a team of 250 educators from 15 countries to teach a variety of subjects for free to residents of Kakuma.

February 7, 2018
Breaking language barriers with the We Speak Translate project
Techfugees
https://techfugees.com/

June 5, 2018
Chatterbox: Master a Language, Change a Life
The overall winner in the competition was Chatterbox, an online language school powered by refugees
https://wearechatterbox.org/
Mursal Hedayat, London
https://www.youtube.com/watch?v=3K3VexuIpe0

August 28, 2019
Distance Learning Without Computers
Dian Schaffhauser, Campus Technology
Arizona State University is finding out what refugee farmers in Uganda and online course creators have to teach each other about making do with very little.

March 6, 2014
Moocs: students in the global south are wary of a ‘sage on the stage’
Charlotte Gunawardena, The Guardian
https://www.theguardian.com/education/2014/mar/19/cost-barrier-students-global-south
November 28, 2018
Chinese unicorn VIPKid says it's focused on maintaining quality in the face of 'rapid growth'
Sam Meredith, CNBC
By connecting Chinese pupils with North American teachers, Beijing-based platform is building cultural bridges, one online English class at a time. As the EdTech company is moving out of the shadows, its CEO Cindy Mi says it's focused on maintaining quality in the face of 'rapid growth'.

June 11, 2019
Chinese parents are paying for their kids to learn English from US online tutors. Here's how the job works
Yan Zhang, The USA Today
Elementary school teacher Stacie Baur in Pennsylvania teaches English to Chinese students via Skype to make ends meet. Jack Gruber, USA TODAY
2:37 (video on teaching English online): http://curtbonk.com/online-tutors.html

December 13, 2018
In China’s Silicon Valley, Edtech Starts at the ‘MOOC Times Building’
Jeffrey R. Young, EdSurge

September 10, 2019
The Future of Learning, Transforming Access
Simon Nelson, CEO, FutureLearn, PCF9 Conference, Edinburgh, Scotland
And the threat of AI and automation is very real. A 2017 report by McKinsey found that half of all current work activities could be automated, using technology that already exists. and that by 2030 anywhere from 75 million to 375 million workers worldwide will be displaced from their old jobs and require retraining.

August 24, 2019
Robots could take 20 million manufacturing jobs by 2030
Anneken Tappe, CNN

March 13, 2019
The Career Curriculum Continuum
Andrew Hermelyn, Inside Higher Ed
In fact, every year since 1840, there has been a three-month increase in life expectancy. Today the average life expectancy in the United States is 79, and millennials have a 50 percent chance of living to 100 years. In past centuries, people would study, get a job and retire at age 65. But times have changed, and it’s now estimated that the average person will have 12 to 14 careers in a lifetime.
March 13, 2019
The Career Curriculum Continuum
Andrew Hermalyn, Inside Higher Ed

October 19, 2018
The 60 Year Curriculum:
Developing New Educational Models to Serve the Agile Labor Market
Chris Dede, Harvard University, The Evolllution

November 19, 2019
The Technology 202
Washington Post
By 2025, there will be over 80 billion connected to the Internet, transmitting a tremendous amount of data.
(Source: Charter Spectrum Network)

September 10, 2019
The Future of Learning, Transforming Access
Simon Nelson, CEO, FutureLearn, PCF9 Conference, Edinburgh, Scotland

June 15, 2019
University of the Third Age
London, UK
https://www.u3a.org.uk/
U3A (The University of the Third Age) is a UK-wide movement which brings together people in their 'third age' to develop their interests and continue their learning in a friendly and informal environment.
If you’re wondering what we mean by the third age - it is a time after you have finished working full-time or raising your family and have time to pursue your interests or just try something new.

February 27, 2019
Why 'The Future Is Asian' Should Inform Your University's Strategy
Joshua Kim, Inside Higher Ed
Today, there are about 70 million East Asian and Pacific students enrolled in postsecondary education. By 2040, that number is projected to rise to 257 million.
February 27, 2019
Thinking About 'Massification of Higher Education Revisited'
Joshua Kim, Inside Higher Ed

June 2018
Massification of Higher Education Revisited
Angel J. Calderon, Analytics & Insights, Melbourne, Australia
https://www.academia.edu/36975860/Massification_of_higher_education_revisited

June 2018
Massification of Higher Education Revisited
Angel J. Calderon, Analytics & Insights, Melbourne, Australia
https://www.academia.edu/36975860/Massification_of_higher_education_revisited

October 14, 2017
China wants to bring artificial intelligence to its classrooms to boost its education system
How the take off of AI-enabled education will affect the interaction between China's 14 million teachers and 188 million pupils
Meng Jing, South China Morning Post


September 26, 2018
Interactive Agents and Tutors
Pushing the Boundaries of Learning With AI
Lindsay McKenzie, Inside Higher Ed
https://www.youtube.com/watch?time_continue=4&v=7EuSTu1iR2A
1:17: http://curtbonk.com/mandarin.html

April 8, 2018
What I Learned When My Students Used Google Translate
Diane Loyet, The Chronicle of Higher Education

I was very surprised by the results. They sent me examples of translations into English from Albanian, Chinese, Kazakh, Russian, and Spanish. Their translations were generally good. They were not perfect, but the mistakes were such that, had I encountered the sentences in a student paper, I would have attributed them to grammatical errors on the part of the non-native speaker of English. Here is one of the Spanish examples:

Original Spanish: Si yo fuese tú, le cobraría hasta por respirar.
Google Translate’s English translation: If I were you, I’ll even charge you for breathing.
Accurate translation: If I were you, I would even charge him for breathing.
May 9, 2018
Google Duplex Demo from Google IO 2018
Video (4:11): https://www.youtube.com/watch?v=bd1mEm2Fy08
Video (2:0:5): http://curtbonk.com/google40-245.html
Donald Clark Plan B
http://donaldclarkplanb.blogspot.ca/2018/05/google-just-announced-ai-bot-that.html?m=1

September 6, 2019
Chatting with Chatbots
Lindsey McKenzie, Inside Higher Ed

August 29, 2019
‘Hey, Google! Let me talk to my departed father.’
Peter Holley, The Washington Post
https://www.washingtonpost.com/technology/2019/08/29/hey-google-let-me-talk-to-departed-father/

MOOCs book #1 (2015)
MOOCs and Open Education
Around the World

MOOCs book #2 (2015)
MOOCs and Open Education
AACE

MOOCs book #3 (2020)
MOOCs and Open Education
Global South Challenges, Successes, and Opportunities
Remember…
“I cannot do this alone.”
“I cannot do this alone.”
“I cannot do this alone.”
“I cannot do this alone.”

Any Questions or Comments?
Slides at: TrainingShare.com
Papers: PublicationShare.com
Free book: http://tec-variety.com/
Email: cjbonk@indiana.edu