MOOC and Open Education
Around the World:
Recent News and Research Clues

Curt Bonk, Indiana University
cjbonk@indiana.edu

Audience Poll #1:
Does your research ever end in failure?
May 11, 2016
We're All Failures
The Chronicle of Higher Education

July 14, 2016
Are MOOCs Forever?
Jeffrey R. Young, The Chronicle of Higher Education
http://chronicle.com/article/Are-MOOCs-Forever/237130/

August 17, 2016
Coursera’s co-founder Daphne Koller set to start anew at Calico
John Mannes, TechCrunch

December 30, 2015
Less Experimentation, More Iteration:
A Review of MOOC Stats and Trends in 2015
Class Central Blog, Dhawal Shah
https://www.youtube.com/watch?v=LD0sNEVhNZ8
August 3, 2016
The Science of Happiness, edX, UC-Berkeley
https://www.edx.org/course/science-happiness-uc-berkeleyx-gg101x-3X

August 30, 2016
Thousands sign up for free online wine course, John Elmes, Wine News
http://www.decanter.com/wine-news/online-wine-course-adelaide-325646/

January 11, 2016
Maps and the Geospatial Revolution
Anthony C. Robinson, Penn State, Coursera
http://chronicle.com/article/Mapping-a-MOOC-Reveals-Global/234795?cid=at&utm_source=at&utm_medium=en&elq=bf52c7566e1d42d6ac7d42b49e1980ea&elqCampaignId=2208&elqaid=7501&elqat=1&elqTrackId=ed3e40a9614c4a5fb84d8851653a8839

State of the MOOC 2016: A Year of Massive Landscape Change
For Massive Open Online Courses, Online Course Report
http://www.onlinecoursereport.com/state-of-the-mooc-2016-a-year-of-massive-landscape-change-for-massive-open-online-courses/

August 14, 2016
Data From the 2016 Almanac, Chronicle of Higher Education
http://chronicle.com/interactives/almanac-2016?cid=cp51#id=37_502

January 14, 2016
Why You Should Care That MOOCs Had a Great 2015
Bravetta Hassell, Chief Learning Officer
data collected by Class Central:
• 35 million: total number of students who signed up for at least one course.
• 1,800: number of new courses announced.
• 75 percent: the amount of courses available in English (was 80 percent in 2014).
• 2,200: courses offered for the first time.
• Reportlinker estimates the MOOC market to grow by nearly $7 billion by 2020.
January 14, 2016
Why You Should Care That MOOCs Had a Great 2015
Bravetta Hassell, Chief Learning Officer

• Self-paced courses are getting a boost...More than 800 self-paced courses exist in the MOOC market, and that number is only getting larger.

• MOOC providers are realizing their value. No longer are MOOC providers offering free certificates. At Coursera, the average course is $56; at edX, it’s $53. Further, Coursera is putting up a paywall for graded assignments for some courses.

February, 2016
MOOCWatch Feb 2016: More Students, More Price Points, More Models. Anuar Andres Lequerica is Class Central’s analyst

• Arabic MOOC platform Nadrus has reached 100,000 students.
• Brazilian MOOC platform Veduca has reached 800,000 students.
• Coursera reaches 700,000 MOOCers in Brazil.
• French MOOC platform France has reached 500,000 students.
• FutureLearn has reached 3 million students. India: NIIT partners with edX to use MOOCs to train half a million people in tech skills.
• Udemy has reached 10 million students.
• University of London reached 1 million enrollments on Coursera.

July 21, 2016
The Scope of edX, Joshua Kim, Inside Higher Ed

Let me share some edX numbers that blew my mind:
• There are 8.3 million (unique) lifelong learners on the edX platform.
• Between 2012, when edX started, and today - there have been 27 million course enrollments.
• Over 1,000 courses have been offered.
• There have been over 2,300 faculty and staff that have taught on edX.
• Over 840,000 certificates have been earned by edX learners.
• EdX has over 100 schools, institutes and organizations in the Consortium creating open online courses.

And where do edX lifelong learners come from?
• There are lifelong learners in every country of the world (save North Korea).
• A bit over a quarter (27%) of edX learners come from the U.S. The next biggest country is India (11%), the U.K. and Brazil (both 4%) and China, Canada, and Mexico (3% each).
• Over four-in-ten edX learners live in emerging economy countries.

July 27, 2016
Class Central

• Now there are close to 6,000 MOOCs from 600+ universities around the world. This can be daunting to the millions of learners around the world who have never done an online course before.
• That’s why we came up with a list of Top 50 MOOCs of All Time based on thousands of reviews written by Class Central users.
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/#290acdda7f09

May 19, 2016
Current Issues on MOOC Research
Trang Phan, University of Houston, tphanuh16@gmail.com

 The influence of MOOCs on the future of higher education (Billington & Fronmuller, 2013)
 The effects of MOOCs on learning and teaching (Martin, 2012)
 The educational problems MOOCs might solve (Rivard, 2013)
 The blending of face-to-face classes with online MOOC classes (Bruff, Fisher, McEwen, & Smith, 2013).

Question:
"What are the problems that MOOCs and OER are supposed to address?" or "Are MOOCs and OER "solutions" in search of problems?"
(Note: Best Answers get a MOOCs book.)

Activity #1:
During this talk, jot down a research idea on a card. We will share it at the end.
(Note: Best idea gets a MOOCs book.)

35 MOOC Research Topics
1. Learner-Focused
2. Instructor-Focused
3. Course/Instructional Design
4. Impact/Context
5. Other

MOOC Research Openings...
Part 1: Learner-Focused
**Audience Poll #3:**
Have you ever dropped a MOOC?
Have you ever completed a MOOC?

http://elearnhero.com/moocs-completion-rates/

Improving MOOC completion rates

First we need to look at MOOCs completion rate differently

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**May 2013**

**Research Topic #1.**
Dropout (i.e., retention) Concerns

MOOCs @ Edinburgh 2013 – Report #1

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**September 7, 2016**

**Research Topic #2.**
Content Access and Use

What Clicks From 70,000 Courses Reveal About Student Learning

Jeffrey R. Young, Chronicle of Higher Education

http://www.chronicle.com/article/What-Clicks-From-70000/237704?cid=at&utm_source=at&utm_medium=en&elqTrackId=afbd8d54d8b6402fbf0356a3032c34c1&elq=52781cf944e142dd83f8f7bdf61b1eaf&elqaid=10562&elqat=1&elqCampaignId=3986

**May 2013**

**Research Topic #3.**
MOOC Motivators and Goals

MOOCs @ Edinburgh 2013 – Report #1

Bioelectricity: A Quantitative Approach, Duke University’s First MOOC

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**April, 2015**

**Research Topic #4.**
Learners Goals, Motivations, Achievements, Challenges, etc.


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**June 13, 2014**

**Research Topic #4.**
Learner Engagement with Content

8 Things You Should Know About MOOCs

Chronicle of Higher Education, Jonah Newman and Soo Oh

http://chronicle.com/article/MOOCs-EdX/146901/
January 11, 2016
Mapping a MOOC Reveals Global Patterns in Student Engagement
Chronicle of Higher Education, Anthony C. Robinson
http://chronicle.com/article/Mapping-a-MOOC-Reveals-Global/234795

May 27, 2015
Research Topic #5.
MOOC Participant Study Strategies
The Invisible Learners Taking MOOCs,
George Veletsianos, Inside Higher Ed

October 6, 2015
Research Topic #6.
MOOCs as a Learning Supplement
Using MOOCs to Fill In Your Weak Spots, Hanna Peacock, Inside Higher Ed

April 21, 2014
Research Topic #7. Benefits of MOOCs for Disadvantaged and Underprivileged
The Revolution Is Not Being MOOC-ized, Students are educated, employed, and male.
Gayle Christensen and Brandon Alcorn, UPenn, New Scientist
http://www.slate.com/articles/health_and_science/new_scientist/2014/03/mooc_survey_students_of_free_online_courses_are_educated-employed_and_male.html

April 20, 2015
Research Topic #8. Case Studies
250 MOOCs and Counting: One Man’s Educational Journey, Chronicle of Higher Education
http://chronicle.com/article/250-MOOCs-Counting-One/229397

Filipino youths go online at an Internet café in Manila on Feb. 18, 2014. Two-thirds of Coursera participants come from the developed world, according to a new report.

Rajeev Bajpai, an airline pilot based in Mumbai, took an online computer-science course to gain programming skills.

OER and MOOCs in Africa: The AVU Experience
Griff Richards and Bakary Diallo, African Virtual University, Nairobi, Kenya
It is estimated that only 6% of Africans can access post-secondary education. The development goal is set at 12% even though North America and Europe are somewhere around 45%. The gap is huge. This is not to say that African nations are not investing in post-secondary education. For example, Nigeria has been steadily building universities during the past couple of decades.

Jima Ngei: “I had this unrelenting fear that this miracle of free access might evaporate soon.”
May 19, 2016
From MOOC to bootcamp to MIT
MIT News

MIT Data:
Prepares to Reenter University
(41-50 year old male, Middle East)
Most interesting experience of my own was my use of MIT OCW to refresh on Calculus. I purchased the textbook and followed one of several calculus options on the site. This was quite successful in re-introducing Calculus, as a prep to re-entering college 28 years after graduation - this time to study for a Master's.

August 28, 2016
Research Topic #9. MOOC Plagiarism
The New Cheating Economy, Brad Wolverton, The Chronicle of Higher Education
http://www.chronicle.com/article/The-New-Cheating-Economy/237587?cid=at&utm_source=at&utm_medium=en&elqTrackId=57c94038703546fda36eca130ad20e28&elq=ba28e5398d584c278a1266d3473adb9&elqaid=10453&elqat=1&elqCampaignId=3922

August 31, 2016
BoostMyGrade.com
http://www.boostmygrade.com/

August 31, 2016
NoNeedtoStudy.com
https://www.noneedtostudy.com/myclass/

August 28, 2016
The New Cheating Economy, Brad Wolverton, The Chronicle of Higher Education
MOOC Research Openings...
Part 2: Instructor-Focused

October 25, 2014
Research Topic #10.
Faculty Awareness of the Open World

February 24, 2016
MIT OpenCourseWare
http://ocw.mit.edu/about/15-years/

February 2016
Faculty Awareness of the Open World
Going Digital: Faculty Perspectives on Digital and OER Course Materials
Kenneth Green, The Campus Computing Project
http://www.campuscomputing.net/goingdigital2016

February 2016
Going Digital: Faculty Perspectives on Digital and OER Course Materials
Kenneth Green, The Campus Computing Project
http://www.campuscomputing.net/goingdigital2016

Research Topic #11. Actual Use of Open Access Resources and Materials
Nature, Openwords, etc.
http://www.openwords.com/
https://www.facebook.com/Openwords
October 29, 2015  
Research Topic #12.  
Admin Support of the Open World  

September 2, 2016  
Research Topic #13.  
Instructor MOOC Grading Impacting Motivation  
Humans, the Latest MOOC Feature  
Carl Straumsheim, Inside Higher Ed

Activity #2: Half-Way Pt.  
Which of the research ideas mentioned so far match what you have written down?

MOOC Research Openings...  
Part 3: Course/Instructional Design

Research Topic #14. MOOC Participant Help Giving Behaviors, Learning Communities, and Ecologies  
Chapter 14: Creating a Temporary Spontaneous Mini-Ecosystem through a MOOC  
Paul Kim and Charlie Chung, Stanford University  
Figure 2. Twitter thread announcing the MOOC

July 2015  
Research Topic #15. Rubric Analysis of MOOC Pedagogy  
AMP: A Tool for Characterizing the Pedagogical Approaches of MOOCs  
Karen Swan, Scott Day, Leonard Bogle, and Traci van Prooyen  
University of Illinois Springfield  
Figure 3. Ratings Metaphors
December 30, 2015
Udemy Awards, 2015 Instructor Awards!

August 20, 2015
Research on Unique Pedagogy
Syracuse professor offers free 'Star Trek' class to the public, USA Today, Amari D. Pollard, LeMayne College
http://college.usatoday.com/2015/08/20/syracuse-professor-offers-free-star-trek-class-to-the-public/

May 31, 2014
Research Topic #17. Localization of Content and Multicultural Practices
ocMOOCs and hMOOCs
Revolutionizing online education
Professor creates courses tailored to cultural differences, Korea JoongAng Daily, KIM BONG-MOON (bongmoon@joongang.co.kr)

Professor Auh Yoon-il of Kyung Hae Cyber University explains the upcoming Kyung Hae MOOC 2.0 in an interview with the Korea JoongAng Daily at Kyung Hae University on Wednesday. (“one culture” or ocMOOCs and hMOOCs)

June 26, 2015
Research Topic #19. Cultural Differences in MOOC Perceptions and Definitions
In China, Where Everything is a MOOC, Education Week, Justin Reich, HarvardX Research Fellow
http://blogs.edweek.org/edweek/edtechresearcher/2015/05/in_china_where_everything_is_a_mooc.html?r=284759497

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.”

2016
Research Topic #18. Language Availability
State of the MOOC 2016:
A Year of Massive Landscape Change For Massive Open Online Courses, Online Course Report
http://www.onlinecoursereport.com/state-of-the-mooc-2016-
year-of-massive-landscape-change-for-massive-open-online-courses/

MOOC Research Openings...
Part 4: Impact/Context-Focused
Part 4: Impact/Context-Focused

Duke MOOCs Around the World

April 23, 2015

Research Topic #20.
Cost-Benefit Analysis
Offloading Semesters or Years to MOOCs
The Catch in Arizona State’s Low-Cost Freshman Year Online:
No Aid, Chronicle of Higher Education, Thomas Fisher

Anant Agarwal, the head of edX, which teamed up with Arizona State U. in the new project: "Our mission is to provide education to people who need it the most."

Building Talent Pipeline

Master’s Degree Is New Frontier of Study Online,
By Tamar Lewin

May 19, 2016

Research Topic #21. MOOC Access and Use
(e.g., MOOC listings and ratings schemes)
MOOC lists: Class Central, the MOOC list
https://www.mooc-list.com/
https://www.class-central.com/

October 7, 2015

Research Topic #22.
Alternative Delivery Systems
MIT Unveils ‘MicroMaster’s,’ Allowing Students to Get Half Their Degree From MOOCs, Andy Thomason, Chronicle of Higher Education

June 12, 2014

Research Topic #23. Economic Value of MOOCs (Assessment Issues)
Will a degree made up of Moocs ever be worth the paper it’s written on?
The University of the People can now hand out degrees to its online students – but will employers take them seriously?, Louise Tickle The Guardian
http://www.theguardian.com/higher-education-network/blog/2014/jun/12/moocs-viable-alternative-traditional-degree

Moocs can offer a lot, but they don’t offer the feedback of a traditional degree.
April 17, 2014  
Research Topic #24.  
Impact of MOOCs Across Age, Gender, and Course Type  
Infographic: Global MOOC statistics  
eCampus News, Meris Stansbury  
http://www.ecampusnews.com/research/infographic/moocs-global-438/  
Infographic: https://magic.piktochart.com/output/174766-0-mooca

Krissa Swain, of Knoxville, Tenn., is taking “Operations Management” online to help develop her management skills.

What About Age?  
Data Visualization Tools  
(Harvard and MIT MOOCs)  
Lawrence Biemiller, February 20, 2014, Chronicle of HE  

October 6, 2014  
Research Topic #25.  
High School Student College Prep and Advanced Placement Courses  
edX turns attention to high school MOOCs, eSchool News  
http://www.eschoolnews.com/2014/10/06/high-school-moocs-839/print/

edX turns attention to high school MOOCs  
Posted by Michael Staff on October 6, 2014 @ 5:00 am In Curriculum/News Prep News | No Comments

Courses will help prepare students for postsecondary success, edX reps said.

January 11, 2016  
7th grade scholarships for MOOC completion  
U.S. News and World Report, eSchool News  
http://www.eschoolnews.com/2016/01/11/7th-grade-scholarships-for-mooc-completion/

Research Topic #26. Acceptability of MOOCs as Corporate Training  
G2g (Googler to Googler) Training  
Seven Ways to Corporate MOOC, Udemy blog, December 23, 2013, Shannon Hughes  
https://www.udemy.com/organizations/blog/2013/12/23/seven-ways-to-corporate-mooc/

Classes range from management and public speaking, to parenting and mountain climbing.

July 28, 2016  
Udemy  
Your opportunity for adventure ends tomorrow — 50% off any course  
http://www.udemy.com/courses/
September 15, 2015  
Research Topic #27.  
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-mcgillx-groocx  
https://www.youtube.com/watch?t=36&v=WNg5LFAMdI

January 27, 2014  
Research Topic #28.  
Various Geo-Political Issues  
Coursera Support Center, Why is my country blocked?  
Online education platform Coursera blocks students in Syria and Iran, Wamba, Nina Curley  
http://help.coursera.org/customer/portal/articles/1425714-why-is-my-country-blocked

October 7, 2014  
ALISON: Global Health Initiatives  
Online Mooc courses deliver Ebola health advice, BBC News, Sean Coughlan  

September 16, 2013  
Research Topic #29. Issues of Quality  
Rwandan Degree Program Aims for a 'University in a Box', Chronicle of Higher Education, Megan O’Neil  
http://chronicle.com/article/Rwandan-Degree-Program-Aims/141631/  
Students attend an orientation session at Kepler, a new hybrid program in Kigali, Rwanda, which will use MOOCs and classroom time to help students earn competency-based associate degrees.

Research Topic #30.  
Impact of Mobile MOOCs  
(e.g., mobile courses on smartphone)

May 20, 2016  
agMOOCs (India)  
http://www.agmoocs.in/
August 31, 2015
MOOC Watch?
samsung unveils Gear S2 smartwatch,
USA Today, Brett Molina
http://www.usatoday.com/tech/

April 1, 2015
Research Topic #31.
Flipped the Classroom with MOOCs
For a Better Flip, Try MOOCs, David Raths, Campus Technology
http://campustechnology.com/articles/2015/04/01/for-a-better-flip-try-moocs.aspx

April 30, 2014
Research Topic #32. Impact of Blending FTF Sessions with Online MOOCs
New Learning Hubs Locations Hosted by The New York Public Library and Seven Other Int’l Partners,
Coursera Learning Hubs
http://www.coursera.org/about/programs/learninghubs

March 3, 2016
‘Trump U.’ Draws Unflattering Spotlight to the Candidate as Fraud Cases Move Forward
Chronicle of Higher Education, Corrine Ruff
http://chronicle.com/article/Trump-U-Draws-Unflattering/235573?cid=trend_right_a

Learning for Enjoyment Versus Credentials and Badges
"Just play around with ideas for alternatives to printed texts and don’t be afraid to create your own, even if they’re amateurish...I think we need to de-emphasise formal assessment and accreditation and encourage our playful side to see what is possible. Too much informal learning wants to get itself ‘badged’ or validated too quickly and this means its losing its genuine amateur status."
August 5, 2015
Research Topic #34. Acceptability of Nanodegrees and Microcredentials
How Nanodegrees Are Disrupting Higher Education
John Waters, Campus Technology
http://campustechnology.com/articles/2015/08/05/how-nanodegrees-are-disrupting-higher-education.aspx

July 28, 2016
Coursera Specializations email
Starting Monday: 9 Top Specializations
https://www.coursera.org/browse?utm_medium=email&utm_source=marketing&utm_campaign=aUAR4L-fEeW6i-NodUB9Qw&languages=en

September 22, 2015
Research Topic #35. MOOC Benefits and Impact
Who’s Benefiting from MOOCs, and Why
Chen Zhenghao, Brandon Alcorn, Gayle Christensen, Nicholas Eriksson, Daphne Koller, Ezekiel J. Emanuel, Harvard Business Review

January 20, 2016
Coursera Specializations
Coursera Removes Free Track From Some MOOCs
January 10, 2016

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/#290acdda7f09
MOOC Research Openings...
Part 5: Other

MOOC Personalization Survey Results

1. How many MOOCs have you taught? (N = 152)

<table>
<thead>
<tr>
<th>Answer Choice</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>56.3%</td>
</tr>
<tr>
<td>2</td>
<td>16.5%</td>
</tr>
<tr>
<td>3</td>
<td>16.5%</td>
</tr>
<tr>
<td>4</td>
<td>4.9%</td>
</tr>
<tr>
<td>Total</td>
<td>100.0%</td>
</tr>
</tbody>
</table>

Q4: 3. How many MOOCs have you completed as a learner (including any that you are currently enrolled in)?

Answered: 145    Skipped: 10

<table>
<thead>
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<th>Answer Choice</th>
<th>Response</th>
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<tr>
<td>1</td>
<td>30.6%</td>
</tr>
<tr>
<td>2</td>
<td>30.6%</td>
</tr>
<tr>
<td>3</td>
<td>18.9%</td>
</tr>
<tr>
<td>4</td>
<td>6.0%</td>
</tr>
<tr>
<td>Total</td>
<td>100.0%</td>
</tr>
</tbody>
</table>

Q7. What is the delivery format of your most recent MOOC?

Answered: 143    Skipped: 12

<table>
<thead>
<tr>
<th>Answer Choice</th>
<th>Response</th>
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<tbody>
<tr>
<td>Instructor-led with a single instructor and teaching assistants, teaching director, and learning designer</td>
<td>0.0%</td>
</tr>
<tr>
<td>Instructor-led with a single instructor and teaching assistants</td>
<td>19.8%</td>
</tr>
<tr>
<td>Instructor-led without teaching assistants</td>
<td>19.8%</td>
</tr>
<tr>
<td>Instructor-led without teaching assistants, with an online learning support</td>
<td>19.8%</td>
</tr>
<tr>
<td>Platform-independant (i.e., MOOC)</td>
<td>19.8%</td>
</tr>
<tr>
<td>Self-paced</td>
<td>19.8%</td>
</tr>
<tr>
<td>Peer-paced</td>
<td>19.8%</td>
</tr>
<tr>
<td>Hybrid or blended type</td>
<td>19.8%</td>
</tr>
<tr>
<td>Other (please describe)</td>
<td>19.8%</td>
</tr>
<tr>
<td>Total</td>
<td>100.0%</td>
</tr>
</tbody>
</table>

Q8. How many people signed up for your most recent MOOC? (N = 150)

<table>
<thead>
<tr>
<th>More Than 100,000</th>
<th>Less than 10,000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Less Than 10,000</td>
<td>25,000-50,000</td>
</tr>
<tr>
<td>10,000-25,000</td>
<td>50,000-100,000</td>
</tr>
<tr>
<td>25,000-50,000</td>
<td>More Than 100,000</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Answer Options</th>
<th>Response Count</th>
<th>Response Percent</th>
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<tbody>
<tr>
<td>Less than 10,000</td>
<td>71</td>
<td>47.3%</td>
</tr>
<tr>
<td>10,000-25,000</td>
<td>36</td>
<td>24.0%</td>
</tr>
<tr>
<td>25,000-50,000</td>
<td>26</td>
<td>17.3%</td>
</tr>
<tr>
<td>50,000-100,000</td>
<td>15</td>
<td>10.0%</td>
</tr>
<tr>
<td>More than 100,000</td>
<td>9</td>
<td>6.0%</td>
</tr>
<tr>
<td>Total</td>
<td>150</td>
<td>100.0%</td>
</tr>
</tbody>
</table>

Skipped question for More than 100,000, answered question for Less Than 10,000.
21. Does your most recent (or current) MOOC utilize any of the following? [Check all that apply; N = 127]

<table>
<thead>
<tr>
<th>Answer Options</th>
<th>Response</th>
<th>Percent</th>
<th>Response Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Automated grading system</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Automated or system generated feedback</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Automated alerts to students who do not log on regularly</td>
<td></td>
<td></td>
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<tr>
<td>Automated group allocation tools</td>
<td></td>
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<tr>
<td>Automated plagiarism checking/detection (e.g., Turnitin.com)</td>
<td></td>
<td></td>
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<tr>
<td>Automated system generated feedback or chatbot</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Automated counseling system</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>None of the above</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

Audience Poll #4:
Would you like to research MOOCs now? What was your idea?
A. Yes...
B. No...

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

Any Comments or Questions?
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