Discussion: The Clustered Patterns of Learning
Engagement in MOOCs and Their Effects on
Teaching Presence and Persistence
Paper by: Jeonji Jung & Jeongmin Lee

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November 10, 2017

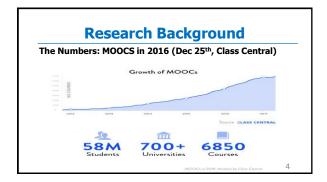


October 11, 2017

MOOCs Are "Dead." What's Next? Uhoh. One overhyped technology fades as another surges.

John Warner, Inside Higher Ed

https://www.insideligherd.com/blogs/just-visiting/moocs-are-dead-whats-next-uh-oh



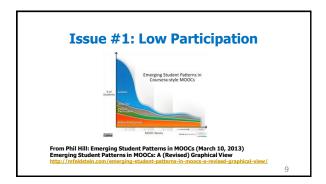
June 15, 2017

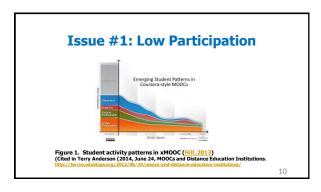
Massive List of MOOC Providers Around The World ThaiMOOC / Thailand Class Central, Dhawal Shah



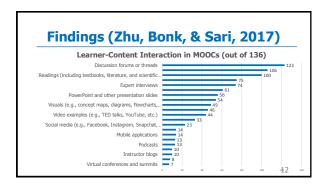
January 5, 2016 Use Of MOOCs And Online Education Is Exploding: Here's Why Josh Bersin, Forbes Most of the MOOC providers now offer such credentials (there are over 100) and they include tools like Nanodegrees (Udacity), Credentials of Readiness (Harvard), XSeries (EdX), and many more. It's not yet clear how well these credentials will be recognized by employers, but that's where this market is going. Most of these companies focus on technical education – software skills, IT systems, and other technical topics.











Issue #3: Cultural Diversity Mapping a MOOC Reveals Global Patterns in Student Engagement (CHI), Anthony C. Robinson, January 11, 2016 Island, June ach, have seed delivation for the Color of the Col

Specific Focus of MOOC Research (2014-2017) (Zhu, Sari, & Lee, 2017) CHEATING SELF-REGULATED LEARNING SOCIAL **LEARNING** MOTIVATION ENGAGEMENT SATISFACTION ASSESSMENT/MEASUREMENT/EVALUATION COMMUNICATION/ INTERACTION PROFESSIONAL DEVELOPMENT LEARNERS' RETENTION AND COMPLETION/DROPOUT INSTRUCTIONAL/MOOC DESIGN PERFORMANCE/OUTCOME K-12/PRE-COLLEGE

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"...as the learners in MOOCs are usually allowed a lot of autonomy, there has been raised the necessity to examine the different patterns of participants in engaging in MOOCs and construct the personalized instructional strategies based on the patterns"

November 10, 2017 Concerns and Comments #1

- Who determines the level of learner autonomy?
- How is autonomy determined here?
- Or is it just assumed?

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"...the purpose of this study is to cluster the learners' multidimensional engagement in MOOCs to provide customized treatment for each cluster.."

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"...this study was to investigate the differences of each cluster on learning persistence.."

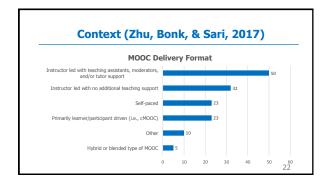
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"...the participants in this study were 179 learners who took the course called Digital Storytelling on K-MOOC (Korean-Massive Open Online Courses) in Fall 2016.."

November 10, 2017 **Concerns and Comments #2**

- Is 170 learners enough for generalizations?
 What if they had taken an cMOOC? Might the personal interest and internal motivation change?
- Self-report data.
- Convenience sampling.
- 76.5% were female.
- Most were university students age 20-29.
- 41% had prior experience with MOOCs.



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- Face validity from 4 educational technology experts.
- · Cronbach's alpha (internal consistency of the items is strong)

November 10, 2017 **Concerns and Comments #3**

- Where is the instrument used?
- What were some of the items?

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"...this study aims to provide specific implications for instructional and learning strategies that can be utilized to facilitate learning engagement and persistence in MOOCs..."

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Cluster 1: LEADers Cluster 2: DOers Cluster 3: THINKers

November 10, 2017 Concerns and Comments #4

- Is LEADers the right word? How about "committed achievers"?
- Are these the only 3 clusters? What about learning repeaters, learning socializers, learning experimenters?

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Cluster 1: LEADers pursue personal interest and internal motivation.

Cluster 2: Doers want to earn academic credit. Cluster 3: THINKers want to supplement and

Cluster 3: THINKers want to supplement and further their study; they also want to prepare for exams or job interviews.

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Cluster 1: LEADers high on all areas of learning engagement.

Cluster 2: Doers watched more videos and updated their opinions; i.e., they "did" stuff. Cluster 3: THINKers high in cognitive

engagement.

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"This study conducted one-way ANOVA twice to examine the differences of each cluster on teaching presence and learning persistence..."

November 10, 2017 Concerns and Comments #5

- How was teaching presence measured?
- How was learning persistence measured?

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"...for more effective customized feedback, there is a need to develop a prediction model for each cluster and suggest individual feedback in detail..."



