

Massive Data, Individual Learners:

**Challenges for developing holistic
views of MOOC participants**

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Overview

Data Challenges

Implications



Session-Based

(08/27/2012 – 02/28/2016)

On-Demand

(04/21/2015 – 08/26/2016)

24 **Unique Courses** 57

2 **Specializations** 11

1,389,748 **Enrollments** 492,285

701,856 **Active Participants** 286,806

45,355 **Certificate Earners** 25,388



How do we
find meaning
in constantly
changing data?

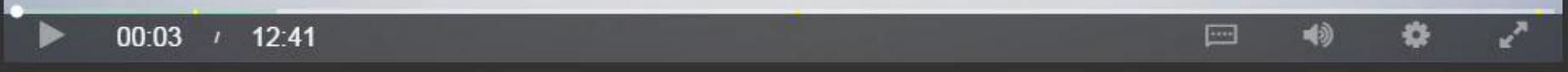


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Assignments Passed

	Weight	Passed	Grade
test module			
★ Quiz: Graded Quiz Test 1 question	10%	--	--
Complete 1 out of 1 assignments to pass	0%	--	--
★ Quiz: TEST LESSON CHOICE 1 question		--	--
★ Quiz: Quiz 1 1 question	0%	--	--
★ Quiz: Quiz 2 1 question	0%	--	--
👤 Team Project: Great Team Project	10%	--	--

Who takes our graded assessments?



How do learners interact with our lectures?

Who is active in our forums?

THIS WEEK'S FORUM

Week 1

Discuss this week's module: test module.

2 threads · Last post a month ago

[Go to forum](#)

PRIVATE GROUP FORUMS

Illini Test Playspace

Discuss with your peers from Illini Test Playspace.

[Forums](#)[All Threads](#)

WEEK FORUMS

Week 1

Discuss this week's module: test module.



DESCRIPTION

Welcome to the course discussion forums! Ask questions, debate ideas, and find classmates who share your goals. Browse popular threads below or other forums in the sidebar.

MODERATORS

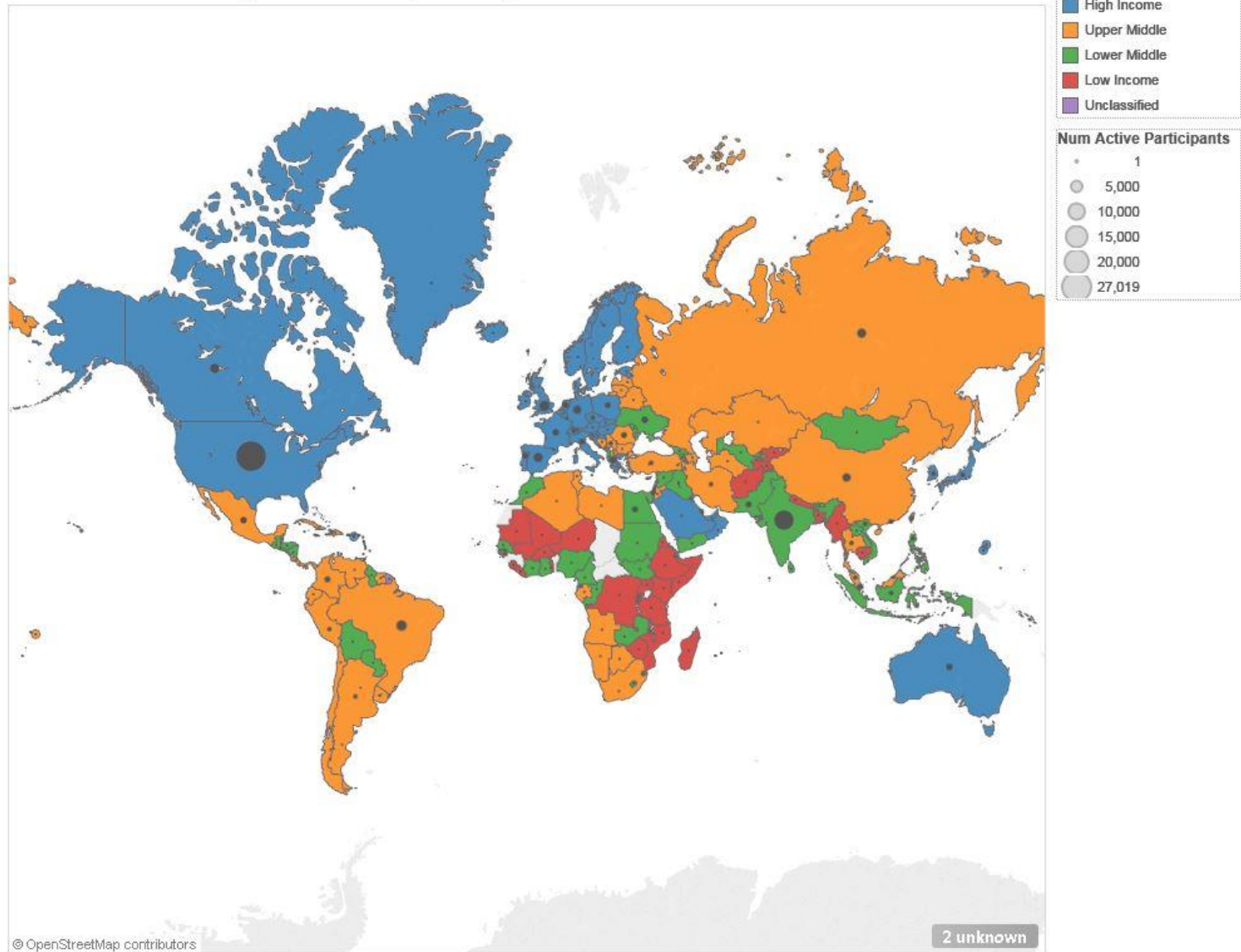




**What else are our learners
doing within a course
space?**

What do we know about our learners?

Number of Active Participants Per Country - January-June 2013





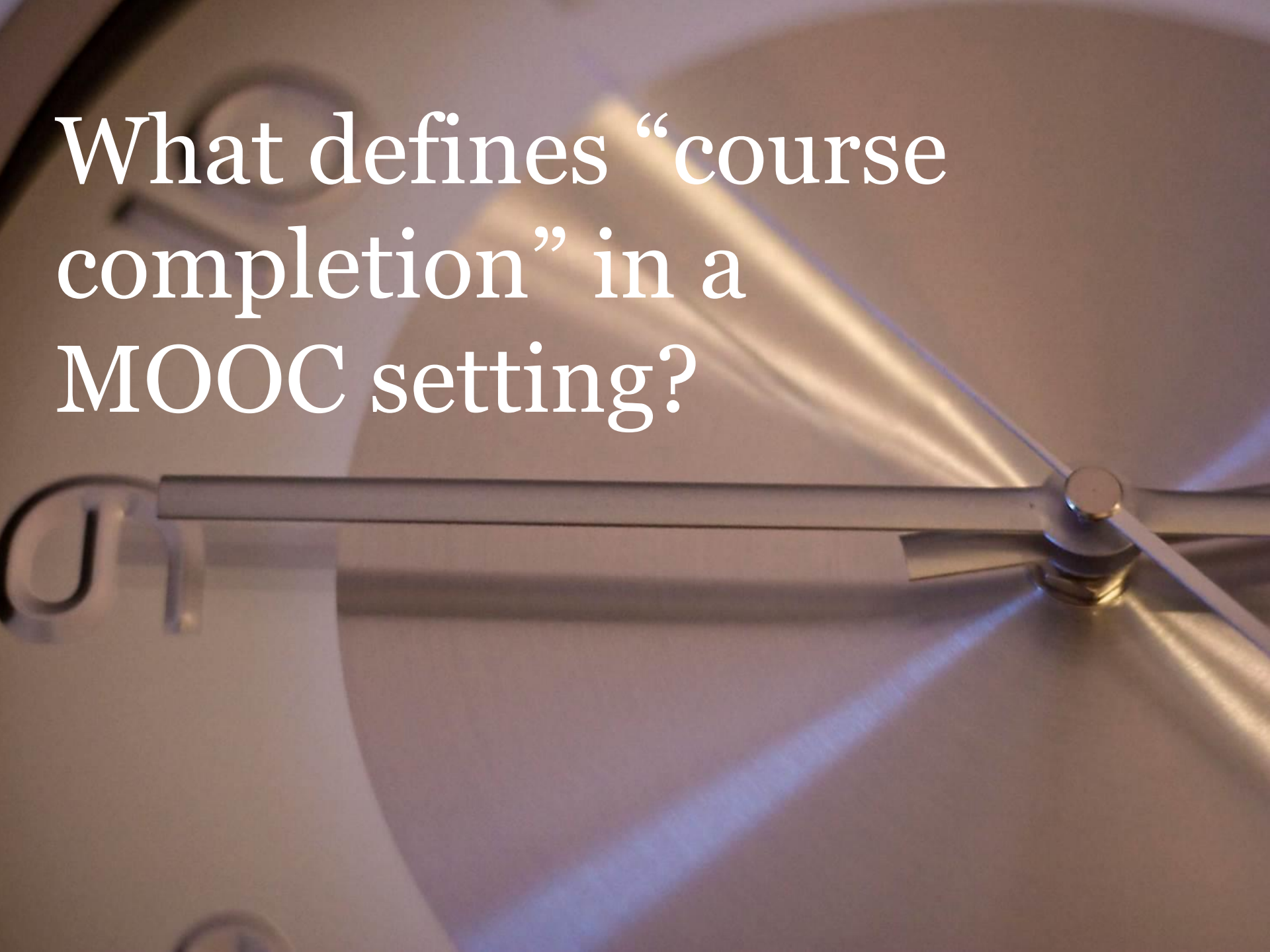
Who is able to participate in a MOOC?

Session-Based

- Free full participation
- Free badges → Paid Verified Certificates

On-Demand

- Free full participation versus Premium Grading
- Premium Grading = free access to lectures and forums, paid access to quizzes and lectures

A close-up, artistic photograph of a clock face. The clock has a light-colored, possibly white or cream, face with dark, minimalist hour markers. The hands are made of a polished, reflective metal, likely chrome or stainless steel. The hour hand is positioned between the 10 and 11 o'clock positions, and the minute hand is pointing exactly at the 12 o'clock position. The background is a soft, out-of-focus blur of warm, golden-brown and blue tones, suggesting an interior setting with ambient lighting. The overall mood is contemplative and focused.

What defines “course
completion” in a
MOOC setting?

What are the implications of these questions for the University of Illinois?



Coursera-Based Degree Programs

- **Illinois Online MBA
(iMBA)**
- **Master of Computer
Science in Data Science
(MCS-DS)**



- Enroll in courses
- Choose whether to participate after enrolling
- Gain knowledge
- Have little direct influence on course development

Learners

- Develop and provide course content
- Share knowledge
- Experiment with teaching strategies
- Gain recognition

Instructors

- Provide course platform
- Choose institutional partners
- Direct instructional pedagogy
- Gain brand recognition

MOOC Providers

- Fund course development
- Provide instructional design support
- Develop programs
- Analyze course and learner data
- Gain brand recognition

Partner Institutions



Questions?

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