Massive Data, Individual Learners:

Challenges for developing holistic views of MOOC participants

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Overview

Data Challenges

Implications

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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

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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?
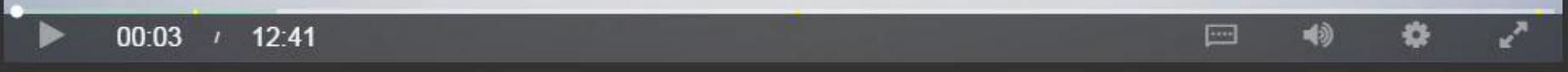
How do learners interact with our lectures?
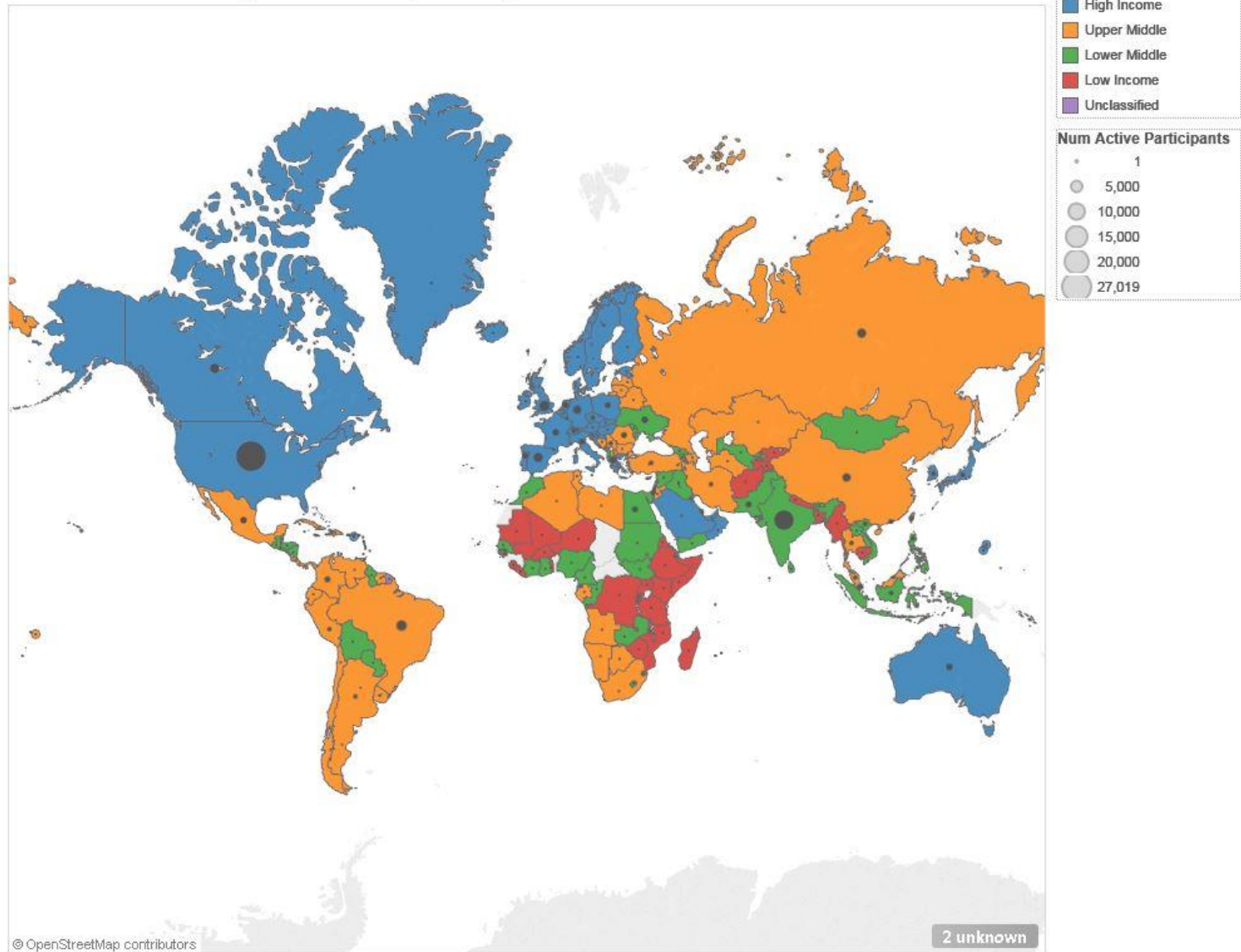
Who is active in our forums?

What else are our learners doing within a course space?

What do we know about our learners?

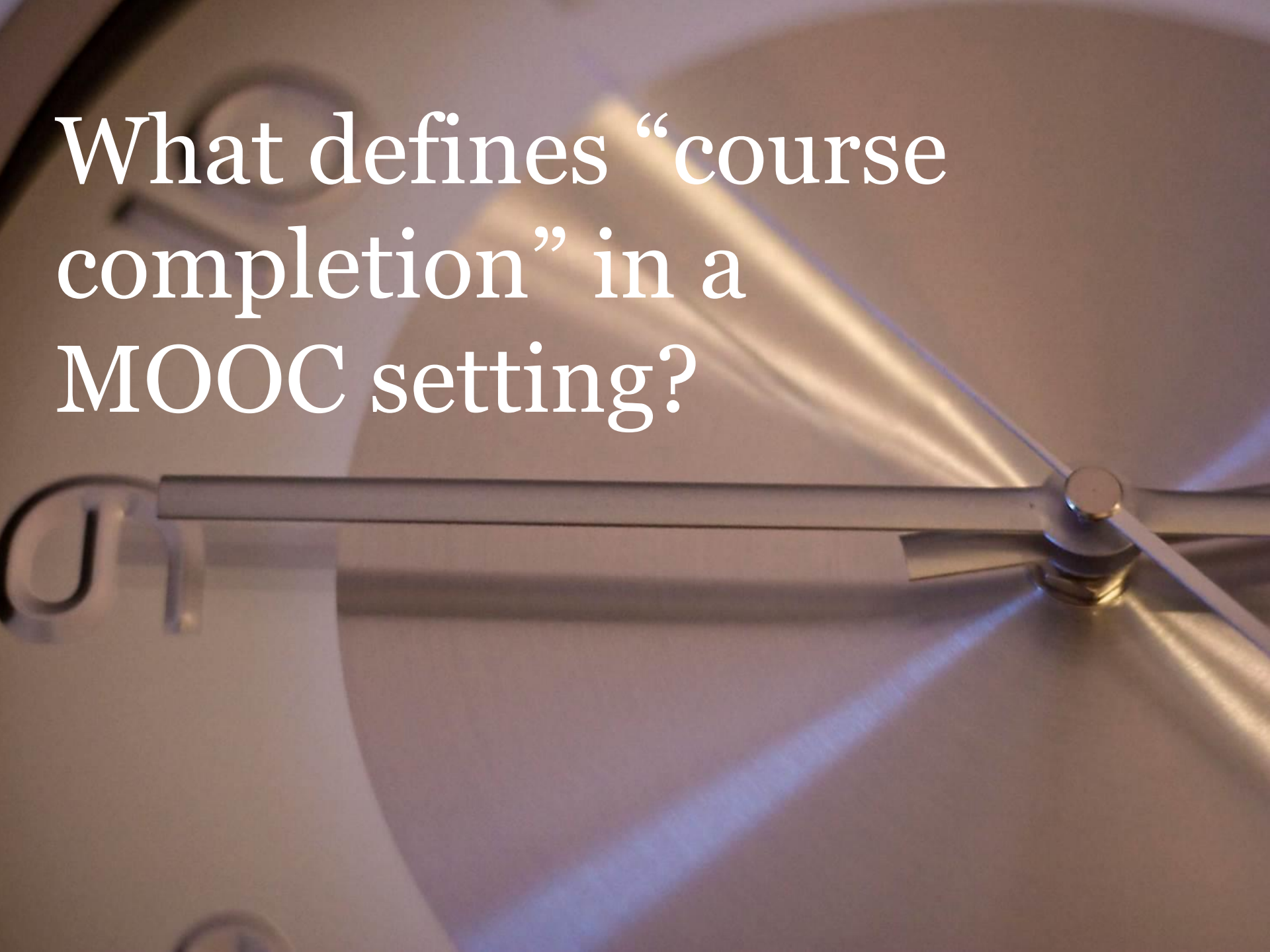Number of Active Participants Per Country - January-June 2013

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

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)**

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

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

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

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

Questions?

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