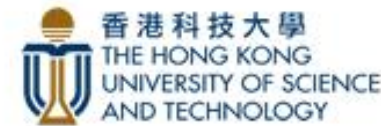




The Online Revolution: Education for Everyone

Daphne Koller & Andrew Ng
Stanford University & Coursera



Courses from Top Universities



400,000

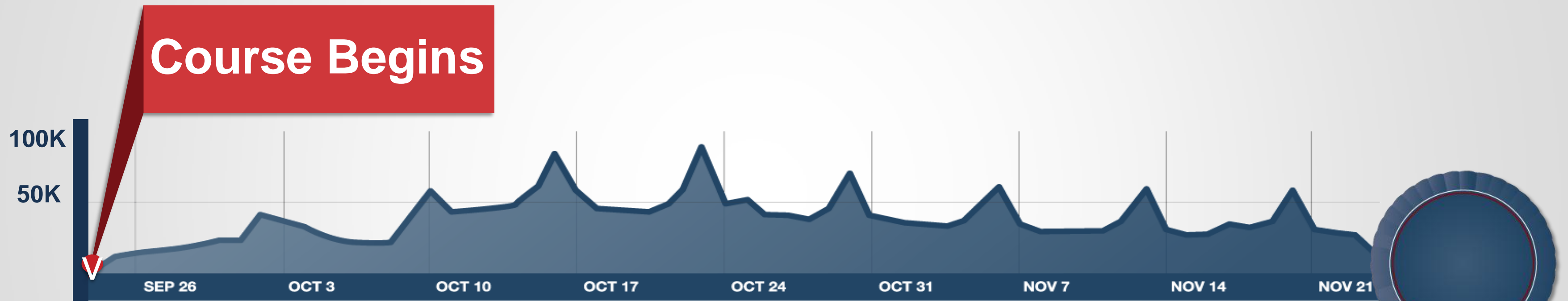
33 Universities

214 courses

8 million enrollments

2.4 million students

users on site



Timeline

Real Course

Who discovered the theory of general relativity?

Albert Einstein

Submit

What is the derivative of $\frac{\sin(x)}{x}$ w.r.t. x ?

$(x * \cos(x) - \sin(x)) / x^2$

Preview

Your submission is equivalent to: $\frac{x \cos(x) - \sin(x)}{x^2}$

```
image = new SimpleImage("puzzle-copper.png");  
  
for (pixel: image) {  
    // your code here  
    pixel.setRed(0);  
    pixel.setGreen(pixel.getGreen() * 10);  
  
    pixel.setBlue(pixel.getBlue() * 10);  
}  
  
print(image);
```

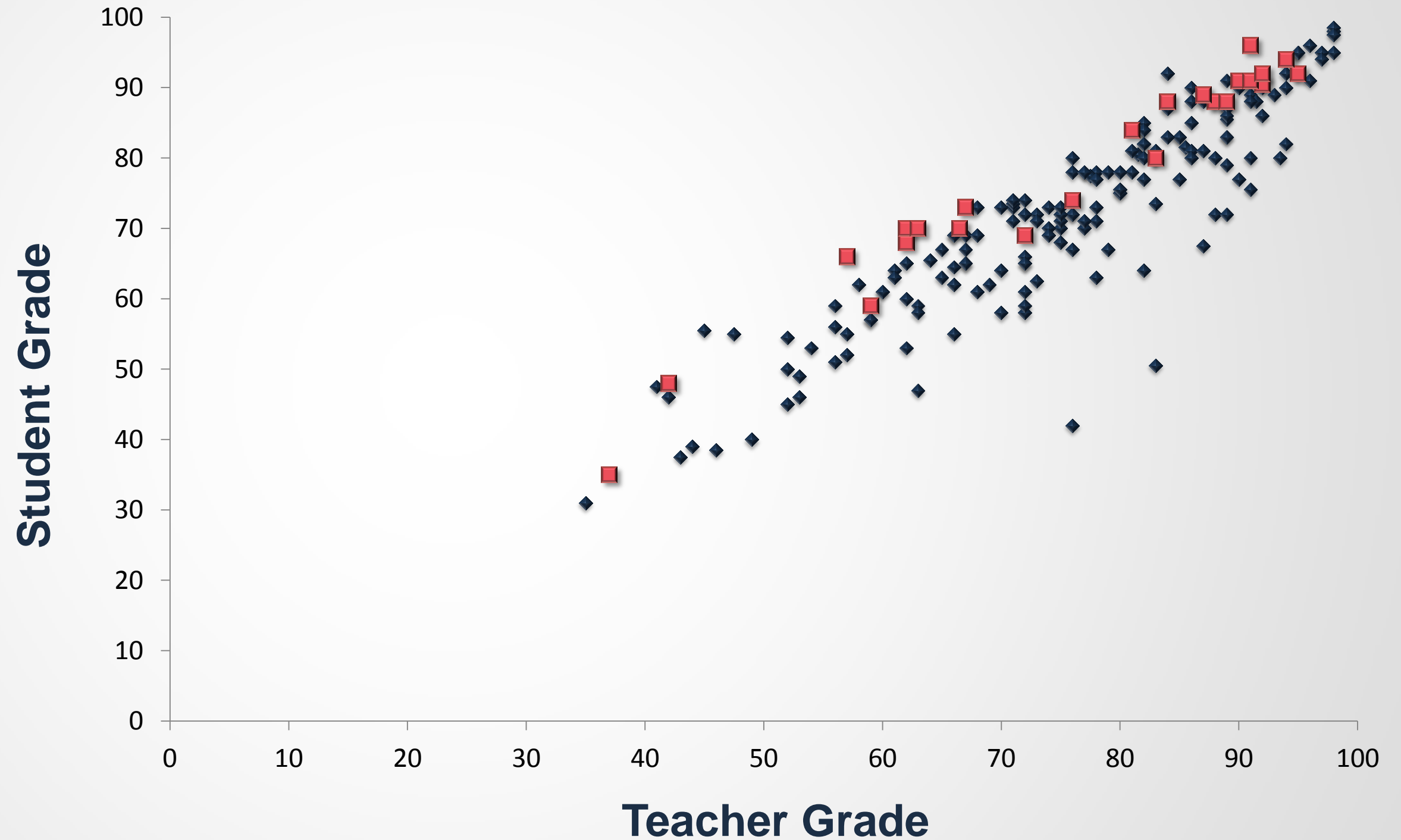
Run

	A	B	C	D
1		2012	2013	2014
2	Units sold	20,000	30,000	35,000
3	Revenue	400,000	600,000	700,000
4	COGS	100,000	150,000	175,000
5	Ad spend	30,000	40,000	40,000
6				
7	Distributor model			
8	Sales People	1	2	5
9	Dist. per sales person	3	5	8

Autograded Homeworks and Exercises

“The Impact of Self-and Peer-Grading on Student Learning”.
P. Sadler, E. Good. *Educational Assessment* (2006).

Peer Grade 
Self Grade 



Peer Grading: Open-Ended Work

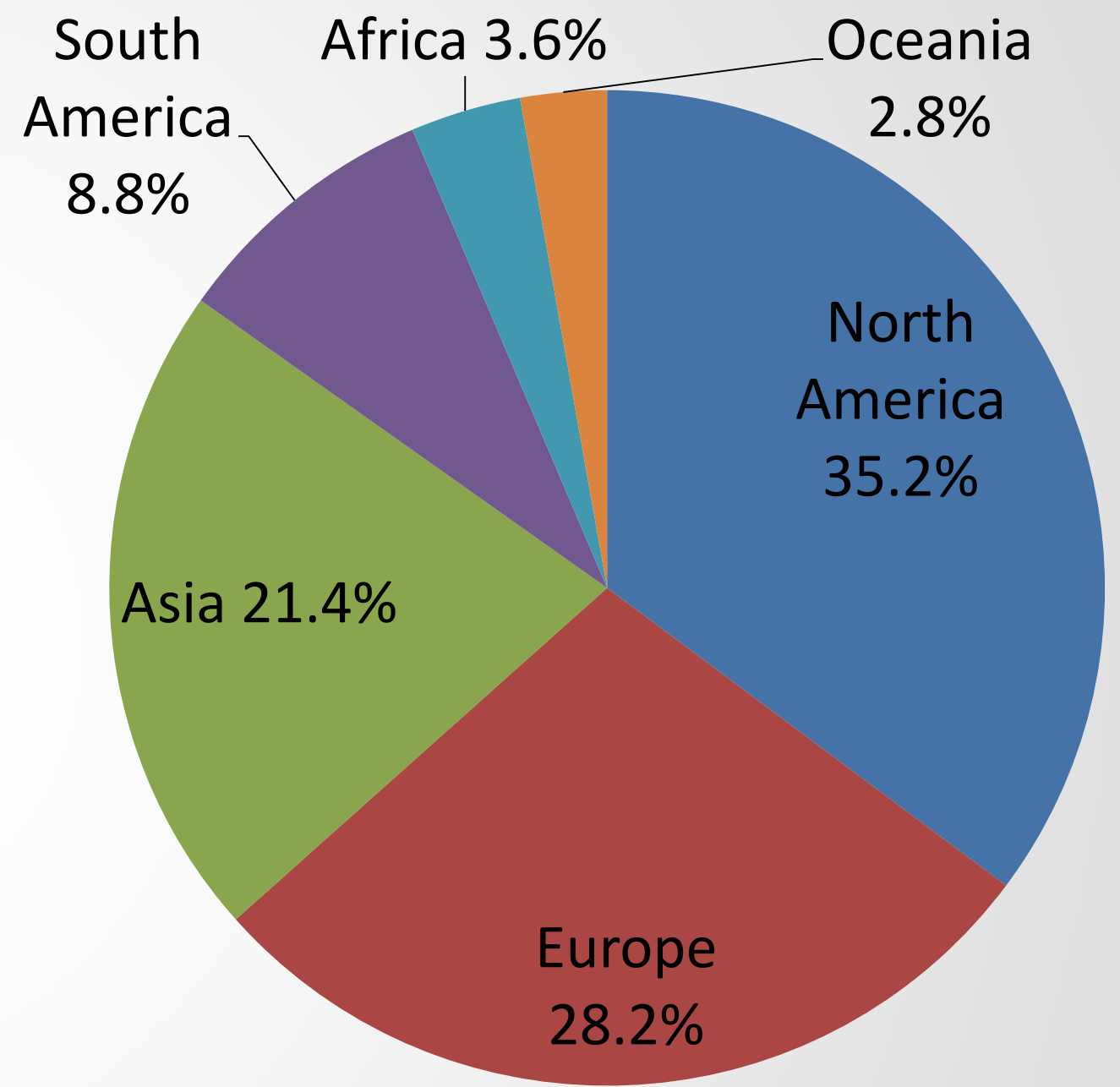
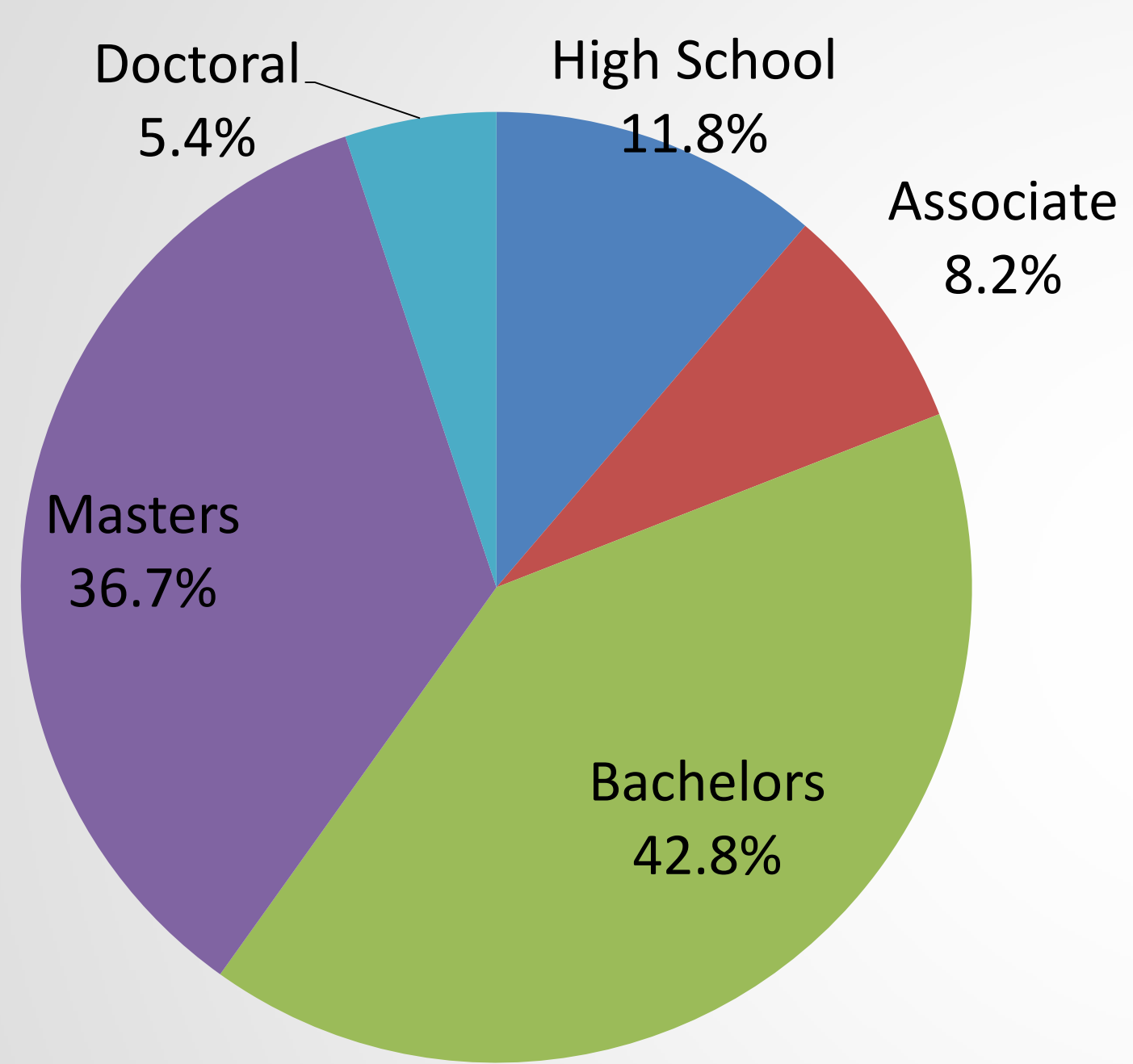
	<p>UNIVERSITY OF MARYLAND, COLLEGE PARK</p> <p>E-learning and Digital Cultures Jeremy Knox, Sian Bayne, Hamish Macleod, Jen Ross, Christine Sinclair</p>	<p>Jan 28th 2013 5 weeks long</p>
	<p>UNIVERSITY OF EDINBURGH</p> <p>Introduction to Philosophy Dave Ward, Duncan Pritchard, Michela Massimi, Suilin Lavelle, Matthew Chrisman, Allan Hazlett, Alasdair Richmond</p>	<p>Jan 28th 2013 7 weeks long</p>
	<p>UNIVERSITY OF EDINBURGH</p> <p>The Social Context of Mental Health and Illness Charmaine Williams</p>	<p>Jan 28th 2013 6 weeks long</p>
	<p>UNIVERSITY OF TORONTO</p> <p>Critical Thinking in Global Challenges Celine Caquineau, Mayank Dutia</p>	<p>Jan 28th 2013 5 weeks long</p>
	<p>UNIVERSITY OF EDINBURGH</p> <p>Introduction to Computer Networks Arvind Krishnamurthy, David Wetherall, John Zahorjan</p>	<p>Jan 28th 2013 10 weeks long</p>
	<p>UNIVERSITY OF WASHINGTON</p> <p>Grow to Greatness: Smart Growth for Private Businesses, Part I Edward D. Hess</p>	<p>Jan 28th 2013 5 weeks long</p>

The Humanities, Sciences, Engineering, Business,

**The mind is not a vessel that
needs filling, but wood that
needs igniting.**

—Plutarch

from Ian Kidd's translation of Essays



Non-Traditional Population



Department of Computer Science

UNIVERSITY OF HELSINKI
FACULTY OF SCIENCE

The Department of Computer Science is responsible for teaching and research in computer science at the University of Helsinki.

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Coursera course on Machine Learning

Last autumn, Stanford for the first time organized a MOOC (massive open online course) on machine learning (<http://www.ml-class.org>). The course has since become part of the offering of Coursera (<https://www.coursera.org/course/ml>) and seems to be offered at least a few times per year. (For instance, there is currently an on-going course.)

Similarly to last year, during this academic year (i.e. autumn term 2012 and spring term 2013), it will again be possible to obtain credits for taking the above course, and this can be used as a substitute for our department's own local course on the same topic, called Introduction to Machine Learning (<http://www.cs.helsinki.fi/en/courses/582631/2012/s/k/1>).

COMPUTER SCIENCE DEPARTMENT
STANFORD UNIVERSITY

PLEASE NOTE: SOME ONLINE COURSES MAY DRAW ON MATERIAL FROM COURSES TAUGHT ON CAMPUS BUT THEY ARE NOT EQUIVALENT TO ON-CAMPUS COURSES. THIS STATEMENT DOES NOT AFFIRM THAT THIS STUDENT WAS ENROLLED AS A STUDENT AT STANFORD UNIVERSITY IN ANY WAY. IT DOES NOT CONFER A STANFORD UNIVERSITY GRADE, COURSE CREDIT OR DEGREE, AND IT DOES NOT VERIFY THE IDENTITY OF THE STUDENT.

Does not confer Stanford credit.
Student identify not verified.

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Signature Track Courses

Apply for financial aid

Dear student,

Coursera Financial Aid is a special program to give Coursera students in all economic circumstances the chance to earn Verified Certificates by participating in a course's Signature Track.

Financial Aid was designed specifically for those who face significant economic hardships, so that these individuals with genuine needs may be given the chance to join a course's Signature Track at no cost.

If you would like to join the Signature Track but cannot afford it, please apply now. We want you to get a high quality education, earn a Verified Certificate, and share your success with others.

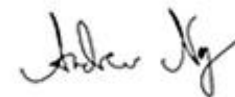
Note that providing the Signature Track incurs significant costs for Coursera. Thus, please request this financial aid package only if you intend to make a serious attempt at completing the class. If we suspect abuse of this program, we may be forced to discontinue it, which would be to the detriment of many deserving students.

In order to be eligible for Coursera Financial Aid you must meet the following criteria:

- Demonstrate that paying the cost of joining a course's Signature Track would cause economic hardship.
- Demonstrate that the Verified Certificate is of significant value to your education or career.
- Demonstrate values of academic integrity and contribute positively to the course's community.

Once you submit your application, you will be given provisional access to your course's Signature Track pending review of your application.

Sincerely,



Andrew Ng
Coursera Co-founder



Daphne Koller
Coursera Co-founder





Digital webcam proctoring



ACE credit recommendations (review underway)


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COURSES (215)



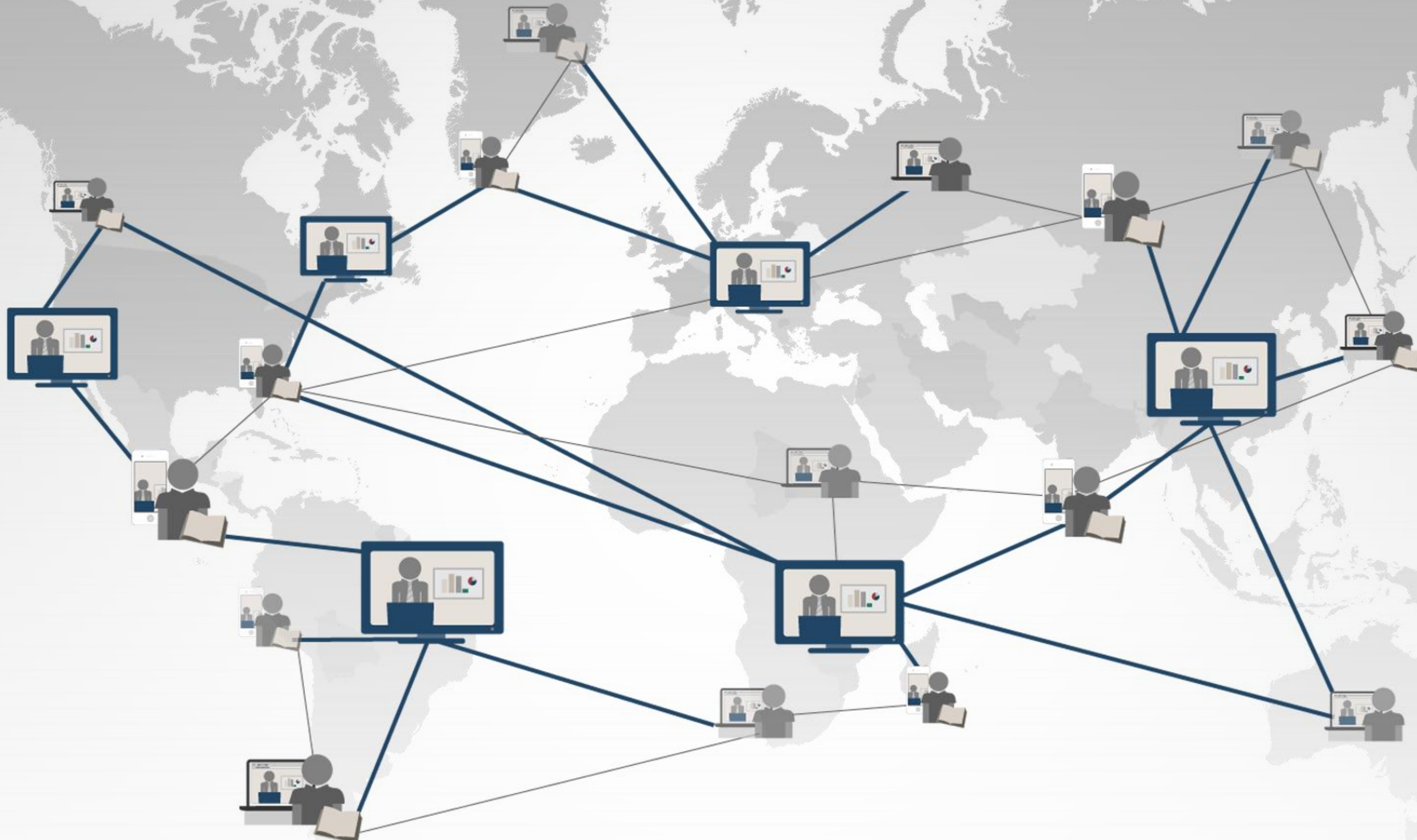
Astrobiology and the Search for Extraterrestrial Life

University of Edinburgh

Started a day ago (5 weeks long)



Coursera for Schools



Universal Access to Education