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## MOOCs : Facts and Figures

Note: original infographics (23 cm X 160 cm) available on [ritpu.org/moocinfographics.pdf](http://ritpu.org/moocinfographics.pdf)

**MOOC**  
*Massive Open Online Courses*

**FACTS AND FIGURES**

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**WHAT IS A MOOC?**

A Massive Open Online Course (MOOC) is a free, open-access, online course that available to a very large number of students (Karsenti, 2015).

**MAIN TYPES OF MOOCs**

**xMOOC** : The most popular kind. They cover a specific curriculum, and a professor plays a central role, with lecture-style teaching.

**cMOOC** : These are largely associated with the Siemens "System Approach." Students engage fully in the learning process by participating to develop learning objectives and produce course content. This can be difficult for distance learners, who are generally busy adults with jobs

**SPOC** : Small Private Online Courses are MOOCs that are offered to students who are currently enrolled at a campus or university. Professor Armando Fox at Berkeley University, California, launched this version in 2013.



## WHAT ARE THE NUMBERS?

# 4317

Today, there are 4,317 massive open online courses available free to almost anyone in the world.



## KEY PLAYERS



A nonprofit organization founded by the Massachusetts Institute of Technology (MIT) and Harvard University in 2012.

- 4,000,000 students
- 500 + courses
- 70 partner universities
- 162 countries represented

Entreprise à but lucratif fondée par les professeurs Andrew Ng et Daphne Koller de l'Université Stanford en 2012.

- 15,504,164 students
- 1458 courses
- 133 partner universities
- 190 countries represented



UDACITY

Entreprise à but lucratif fondée par Sebastian Thrun, David Stavens, et Mike Sokolsky

- 1 950 000 students
- 36 courses
- 21 partner universities
- 203 countries represented


KEY FRANCOPHONE PLAYERS



FRANCE  
UNIVERSITÉ  
NUMÉRIQUE







cultiver l'envie d'apprendre










MAIN PORTALS AND AGGREGATORS







EUROPEAN  
MULTIPLE  
MOOC  
AGGREGATOR







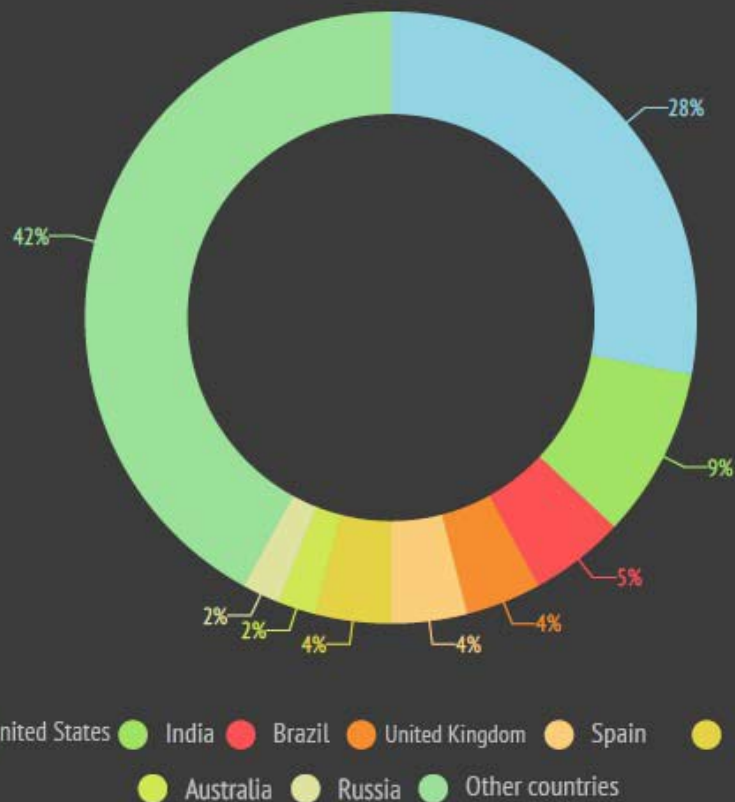




## WHO ARE THE STUDENTS?

**36 000 000+**

people around  
the world are  
enrolled in a  
MOOC.



- **35 is the average age of a MOOC student.**
- **20% of MOOC students live in "developing" countries.**
- **86% have more than a high school education.**
- **88% hold down a job at the same time.**



## TRENDS TO WATCH

- MOOCs and mobile learning
- MOOCs and individualized assessment
- MOOCs and micro-learning and nano-learning
- MOOCs and adaptive learning
- MOOCs and social media
- MOOCs and gamification or learning through games



## REFERENCES

Karsenti, T. (2013). MOOC: révolution ou simple effet de mode? *Revue Internationale des technologies en pédagogie universitaire*, 10(2), 6-22. Repéré à: <http://www.ritpu.org/splp.php?article227>

Karsenti, T. (2014). *25 stratégies efficaces pour favoriser l'apprentissage et la participation aux MOOCs*. Montréal: CRIFPE. repéré à: <http://karsenti.ca/archives/l/istes/25mooc.pdf>

Karsenti, T. (2015). University teaching vs the MOOC: Reports from the field, current trends, future directions. *International Journal of Teaching In Higher Education*, 12(1-2), 9-10.

[www.coursera.org/](http://www.coursera.org/)

[www.edx.org/](http://www.edx.org/)

[www.udacity.com/](http://www.udacity.com/)

[www.openeducationeuropa.eu/en/article/MOOCs---A-Review-of-the-State-of-the-Art](http://www.openeducationeuropa.eu/en/article/MOOCs---A-Review-of-the-State-of-the-Art)

[www.wikipedia.org/wiki/Massive\\_open\\_online\\_course](http://www.wikipedia.org/wiki/Massive_open_online_course) [moochnewsandreviews.com/mooc-around-the-world-our-global-list-open-online-classes-part-3](http://moochnewsandreviews.com/mooc-around-the-world-our-global-list-open-online-classes-part-3)

[techcrunch.com/2015/07/07/openclassrooms-launches-first-mooc-based-bachelor-degree-recognized-by-french-state/](http://techcrunch.com/2015/07/07/openclassrooms-launches-first-mooc-based-bachelor-degree-recognized-by-french-state/)

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