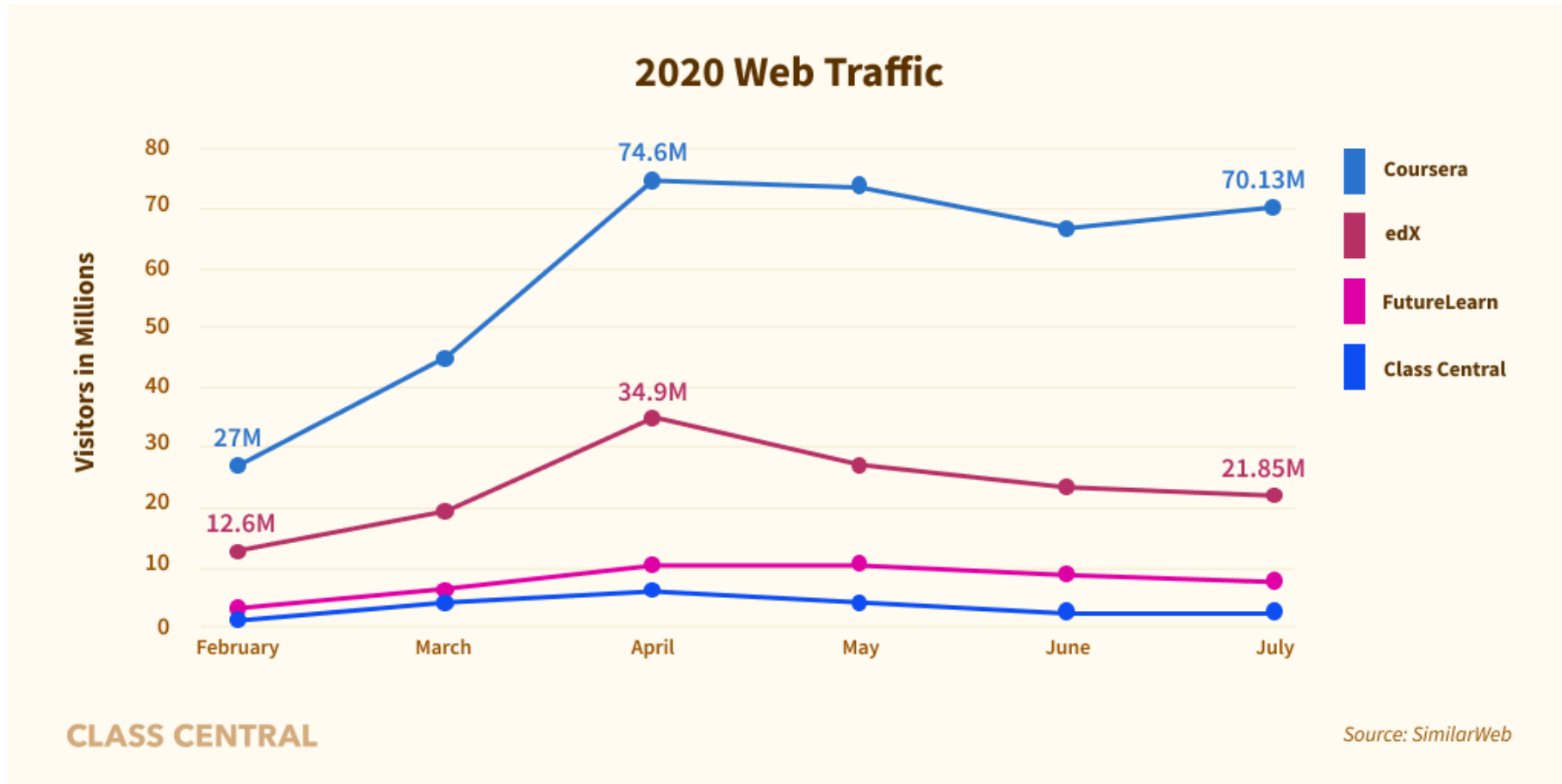


# *What's Next for MOOCs?*

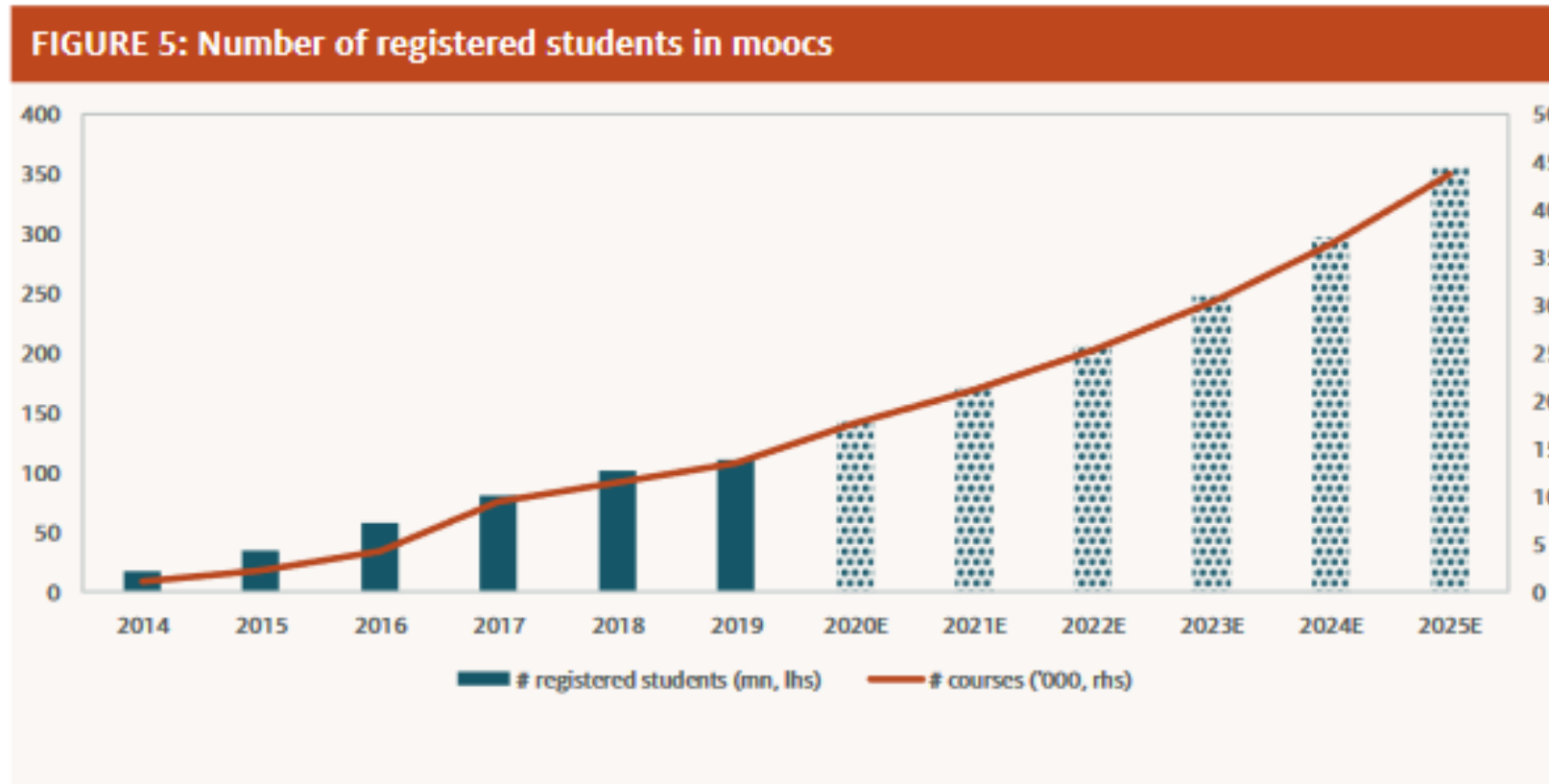
Stephen Downes  
December 8, 2020

# No they're not dead yet!



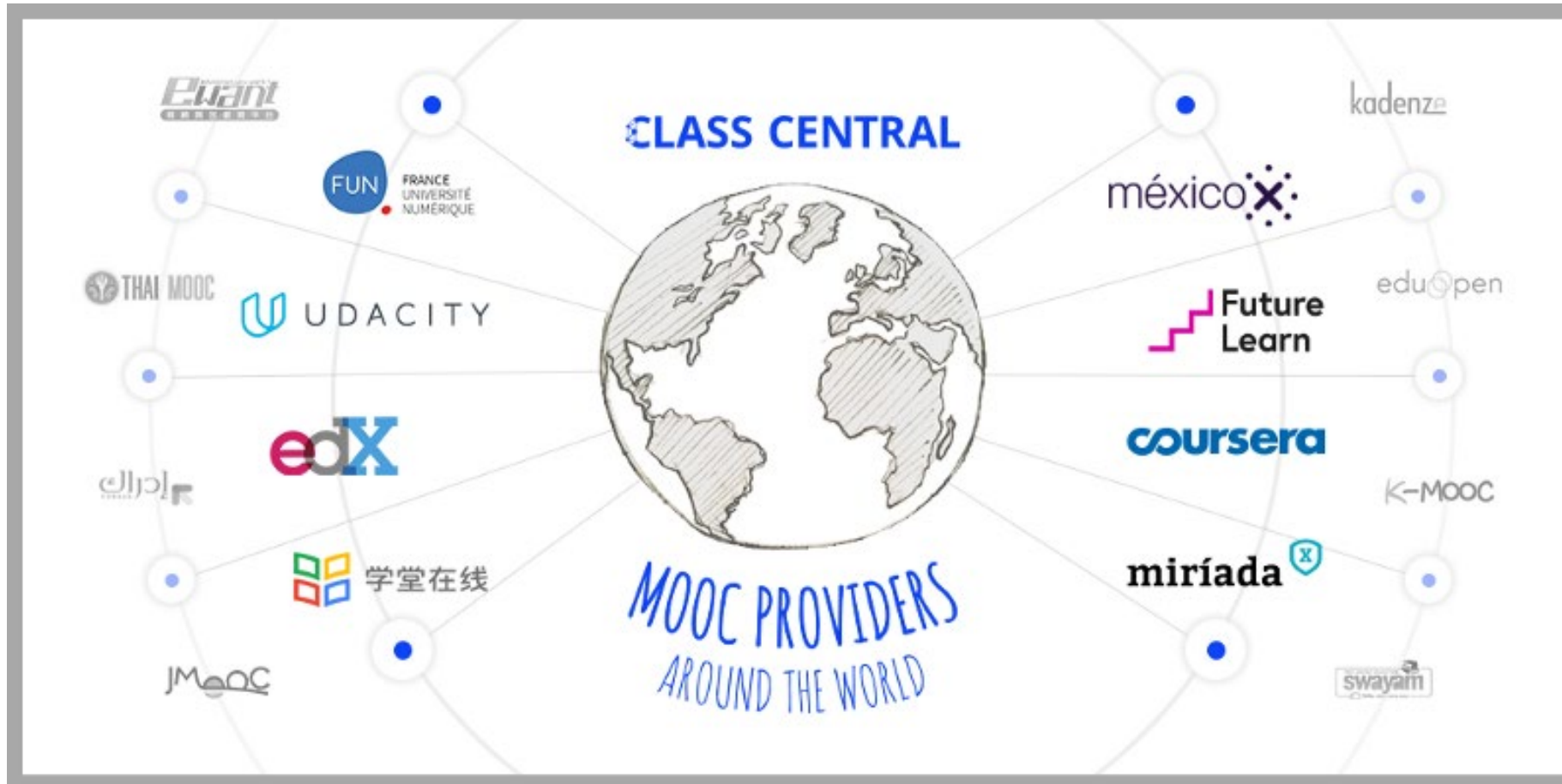
<https://www.classcentral.com/report/mooc-stats-pandemic/>

# No they're not dead yet!



Source: ClassCentral.com

# No they're not dead yet!



<https://www.freecodecamp.org/news/a-massive-list-of-free-online-course-providers-from-around-the-world-925766226f46/>

# No they're not dead yet!

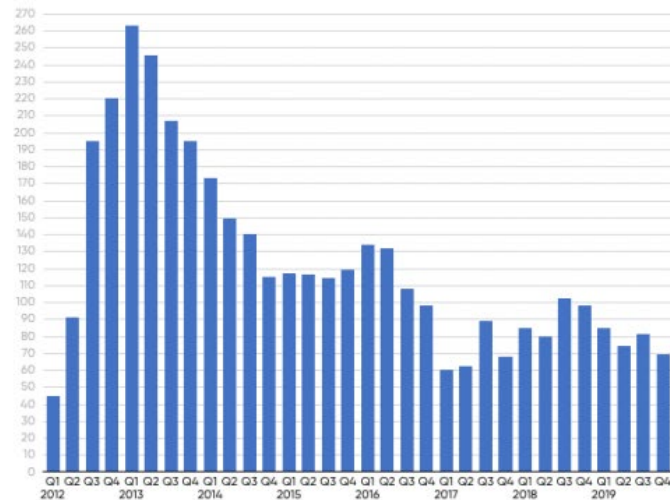
GLOBAL EDUCATION INTELLIGENCE

## Global MOOC Sentiment

Holon IQ

Total Global Signals (Top Tier News Articles) and Sentiment Share, 2012-2019.

Total Number of Signals (Top Tier News Articles) Mentioning MOOCs



Source: HolonIQ, February 2020

Positive and Negative Sentiment Share of Signals



www.holoniq.com

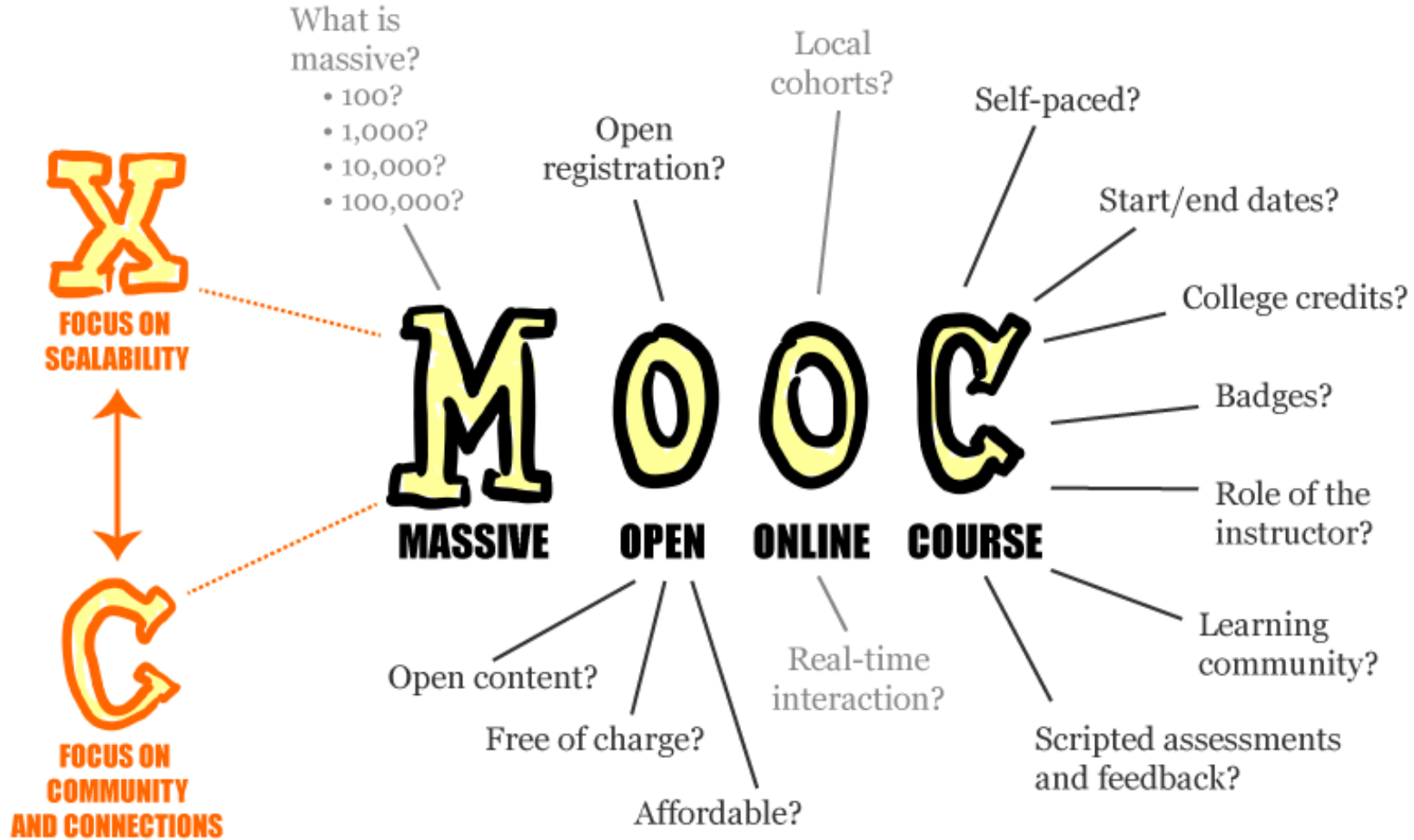
MOOCs started the last decade as a proof of concept and finished with 380 million students taking over 30 thousand courses and 50 degrees from over 1000 Universities globally.

<https://www.holoniq.com/notes/the-mooc-decade.-380-million-students-later./>

# Contents

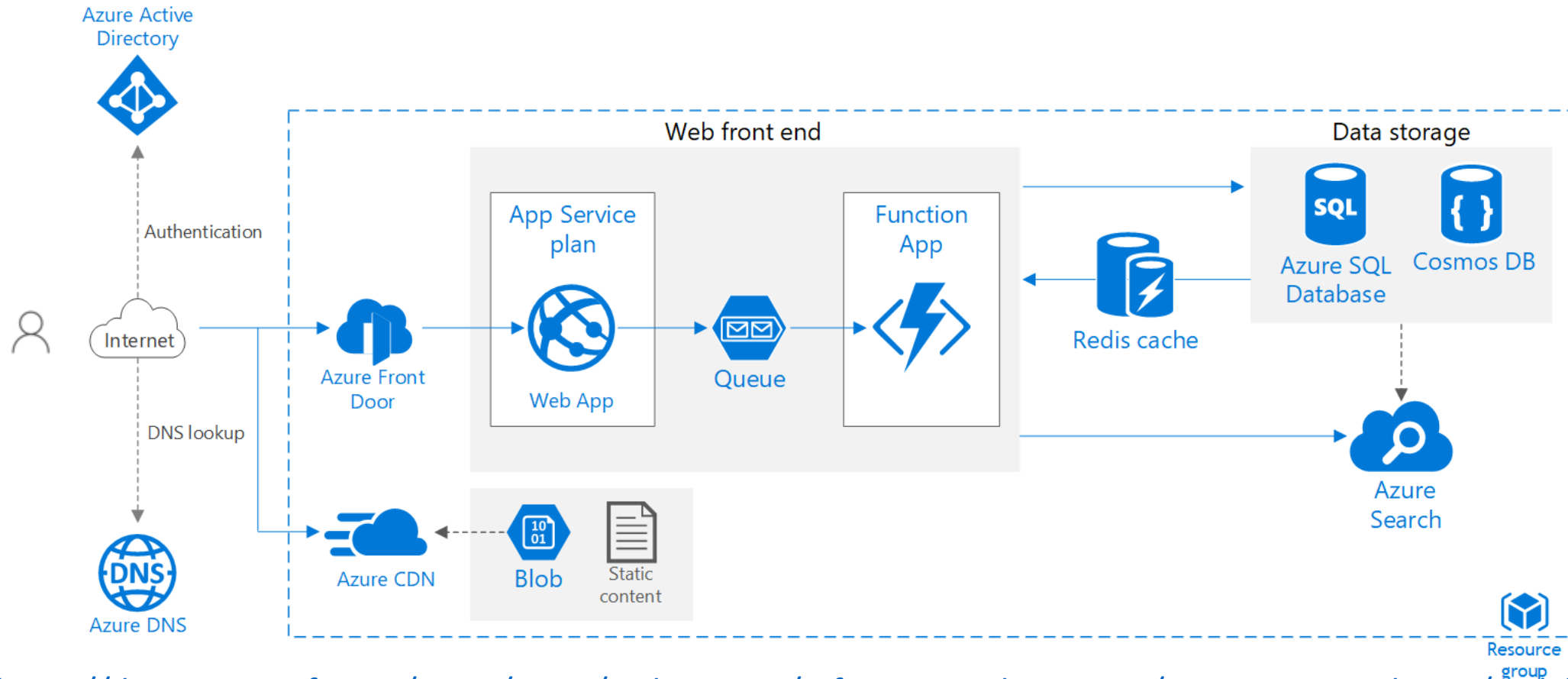
## What's Next for MOOCs?

- How MOOCs are exploding contrary to having been written off in 2018.
- How MOOCs can provide access to a global set of micro-credentials and skills-based learning, which employers want.
- How MOOCs are improving in terms of student engagement and completion?



<https://www.flickr.com/photos/mathplourde/8620174342/sizes/o/in/photostream/>

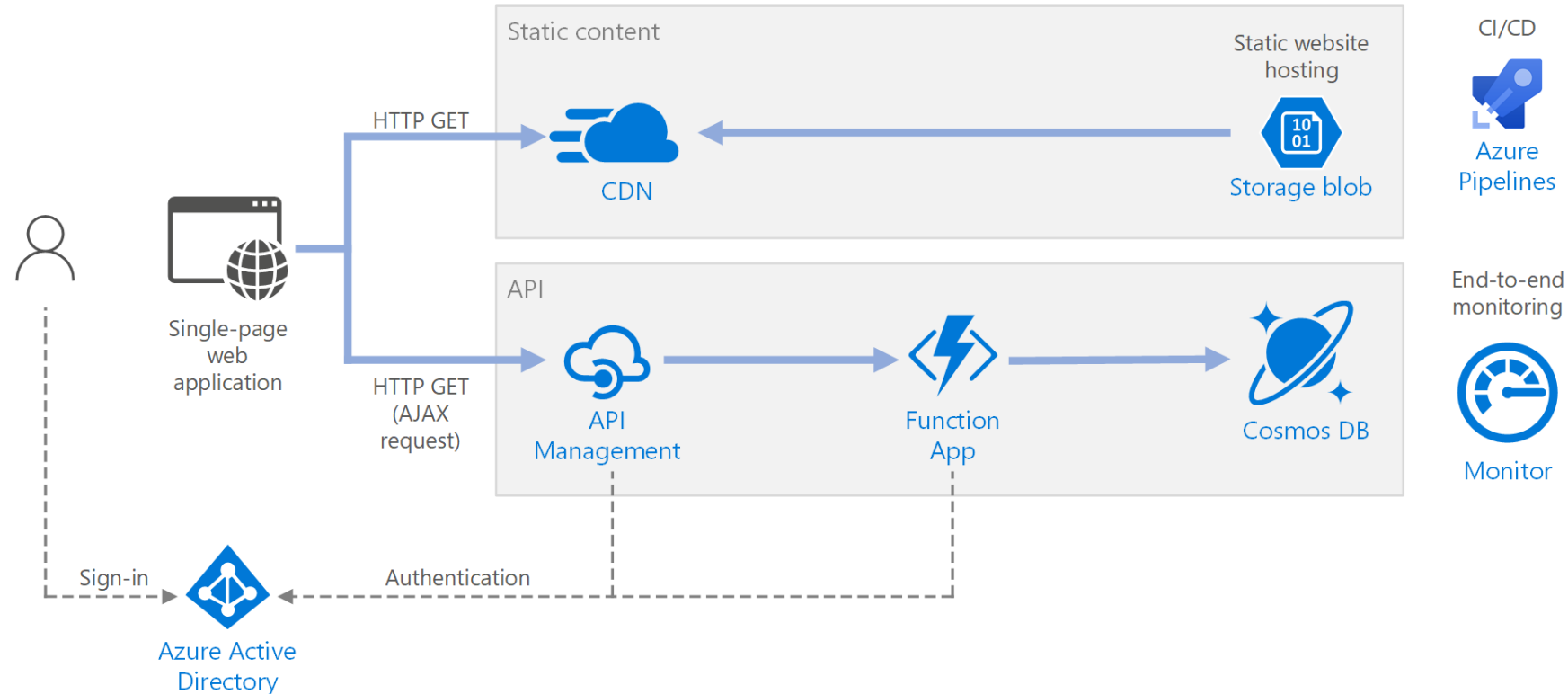
# Scalable Web Application



<https://docs.microsoft.com/en-us/azure/architecture/reference-architectures/app-service-web-app/scalable-web-app>

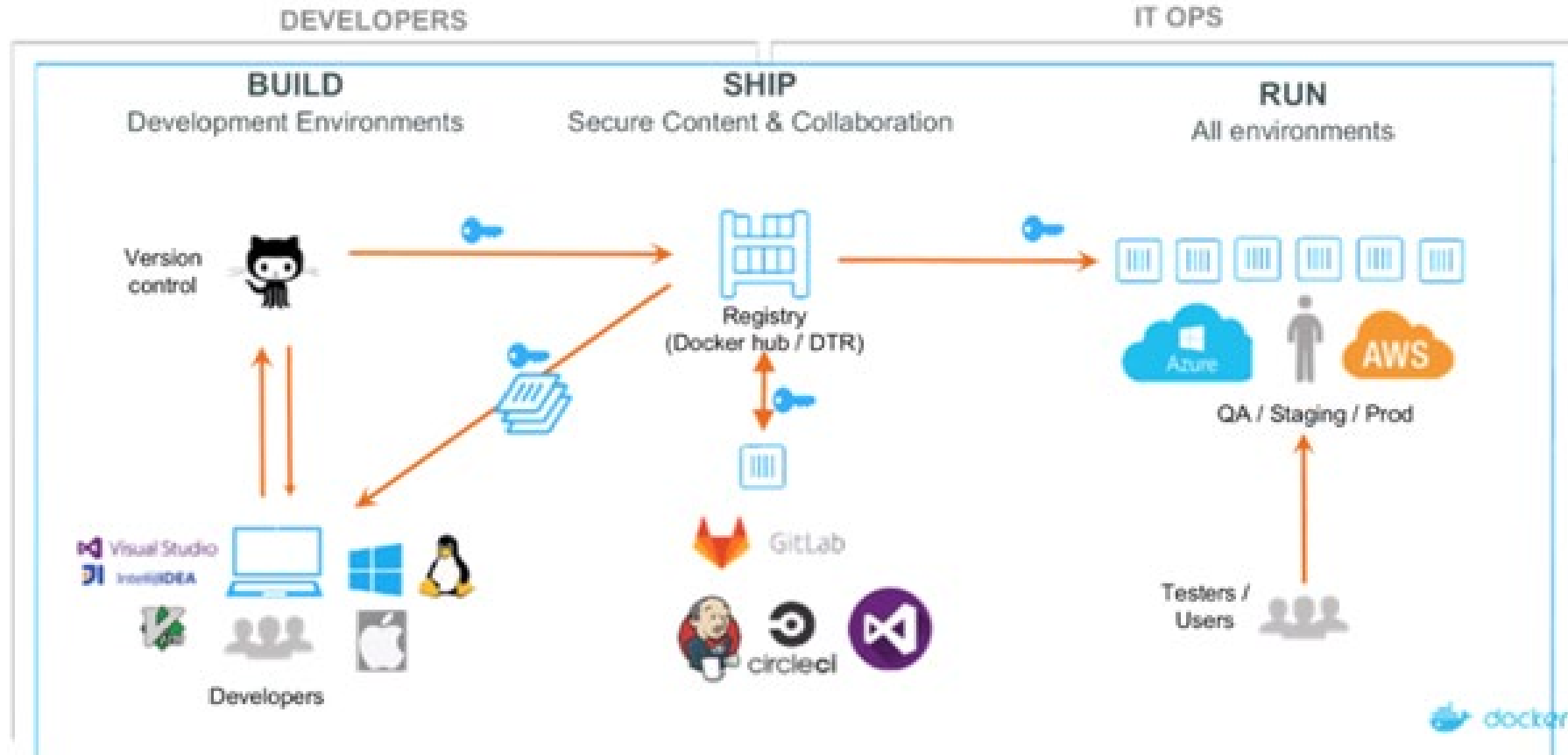


# Serverless Web Application



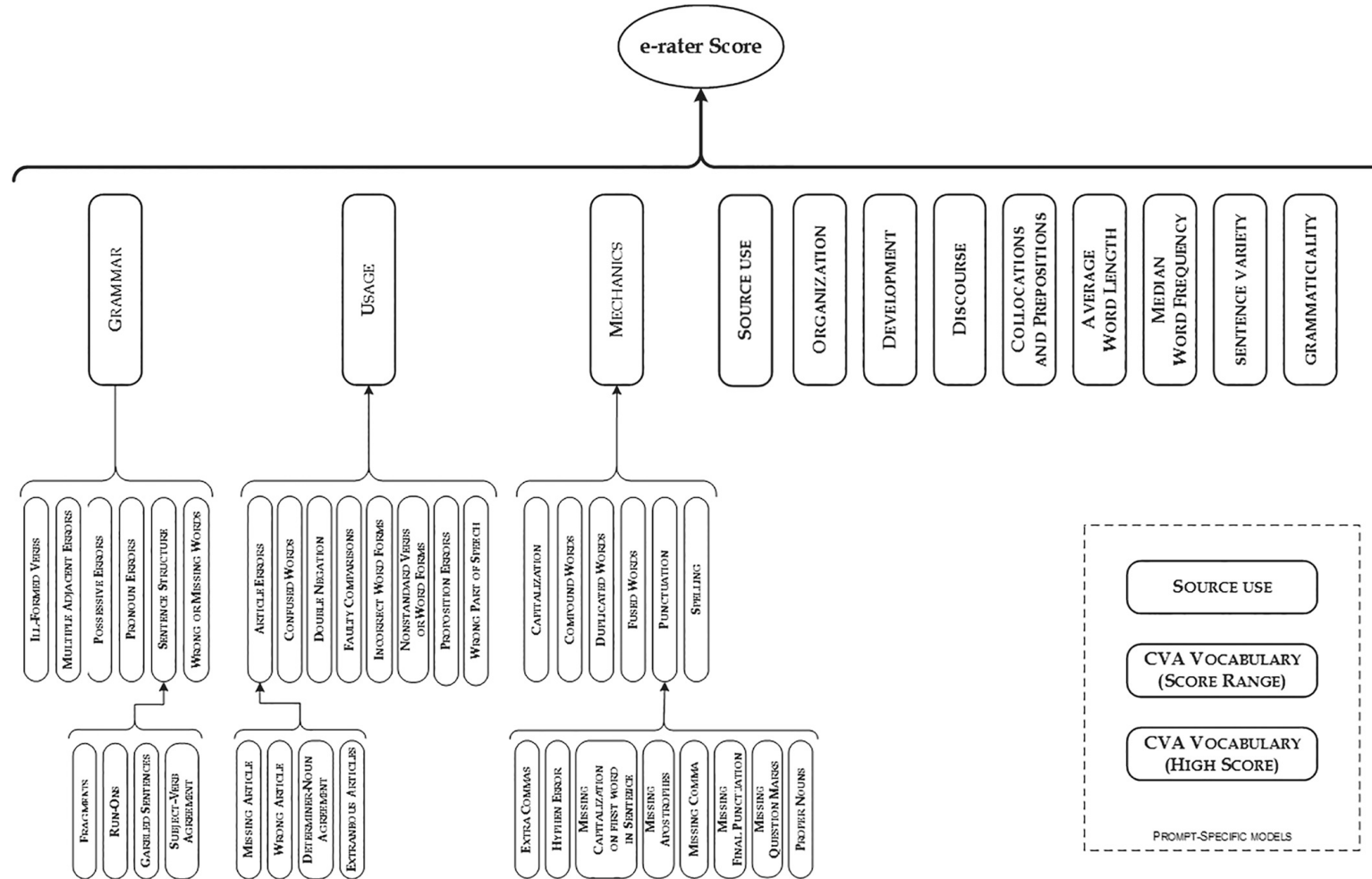
<https://docs.microsoft.com/en-us/azure/architecture/reference-architectures/serverless/web-app>

# Continuous Integration & Delivery



<https://www.mayfield.com/mayfield-cio-insights-mastering-the-multi-cloud/>



# Automated Grading at Scale



<https://onlinelibrary.wiley.com/doi/full/10.1002/ets2.12249>

# Activity Records

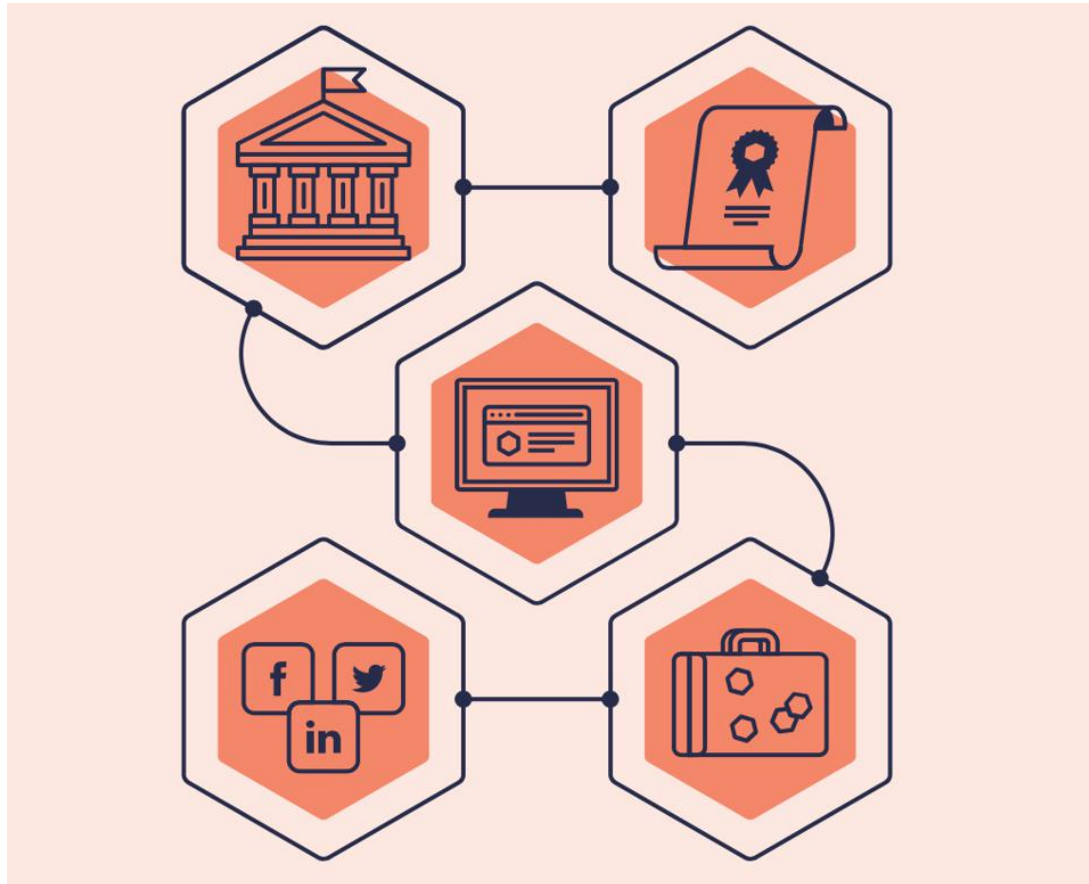
Activity Log						
↑ Statement Timestamp	Statement ID	Actor Name	Verb Display	Object Activity Name	Object Activity Descrip	
Fri Nov 30 2018 15:03:58 GMT-0500 (Eastern Standard Time)	<a href="#">58c15899-b237-485b-abda-a469282f42bf</a>	Terrence Martins	received	LMS notification	Kokea LMS	
Fri Nov 30 2018 01:03:17 GMT-0500 (Eastern Standard Time)	<a href="#">58c15e73-b08a-47e7-ad38-6f46933c917b</a>	Mario Costin	received	LMS notification	Kokea LMS	
Wed Nov 28 2018 00:03:58 GMT-0500 (Eastern Standard Time)	<a href="#">58c16014-f805-4ac8-8f86-19fa3371f9a0</a>	Clayton Copeland	reported	Kokea Units Sold	Weekly sales of Kokeas	
Wed Nov 28 2018 00:03:58 GMT-0500 (Eastern Standard Time)	<a href="#">58c15f92-c99d-4331-a45b-03084e22d5f8</a>	Minh Vinton	reported	Kokea Units Sold	Weekly sales of Kokeas	
Wed Nov 28 2018 00:03:58 GMT-0500 (Eastern Standard Time)	<a href="#">58c15f27-0a7b-4589-9b4a-7a80b9d26fc0</a>	Ashton Almazan	reported	Kokea Units Sold	Weekly sales of Kokeas	
Fri Nov 23 2018 15:03:58 GMT-0500 (Eastern Standard Time)	<a href="#">58c1588b-180e-4321-8bce-053e3f661abe</a>	Terrence Martins	received	LMS notification	Kokea LMS	
Fri Nov 23 2018 01:03:13 GMT-0500 (Eastern Standard Time)	<a href="#">58c15e53-710f-4218-a65a-0a38029e4721</a>	Clayton Copeland	assigned	Introduction to Upselling and Cross-Selling	Upselling and cross-sel	
Fri Nov 23 2018 00:06:51 GMT-0500 (Eastern Standard Time)	<a href="#">58c15de6-538c-4873-a3ff-64eedc991578</a>	Mario Costin	failed	Delivering the Kokea Value	Micro-Training Module	
Fri Nov 23 2018 00:06:51 GMT-0500 (Eastern Standard Time)	<a href="#">58c15ddf-31f0-471b-9756-bb83ca1ea90a</a>	Mario Costin	answered	Question 3	A customer comes in w	
Fri Nov 23 2018 00:06:21 GMT-0500 (Eastern Standard Time)	<a href="#">58c15dd9-b398-47ab-ad38-7e24237b223f</a>	Mario Costin	answered	Question 2	A customer is looking f	

1 < 1 > 37

<https://yet.zendesk.com/hc/en-us/articles/115001672832-Data-Card-Activity-Log>

# Microcredentials



The pandemic is accelerating this shift to verified credentials. Enrollment in short-term credential classes increased by 70% over last year while freshman college enrollment dropped by 16%.

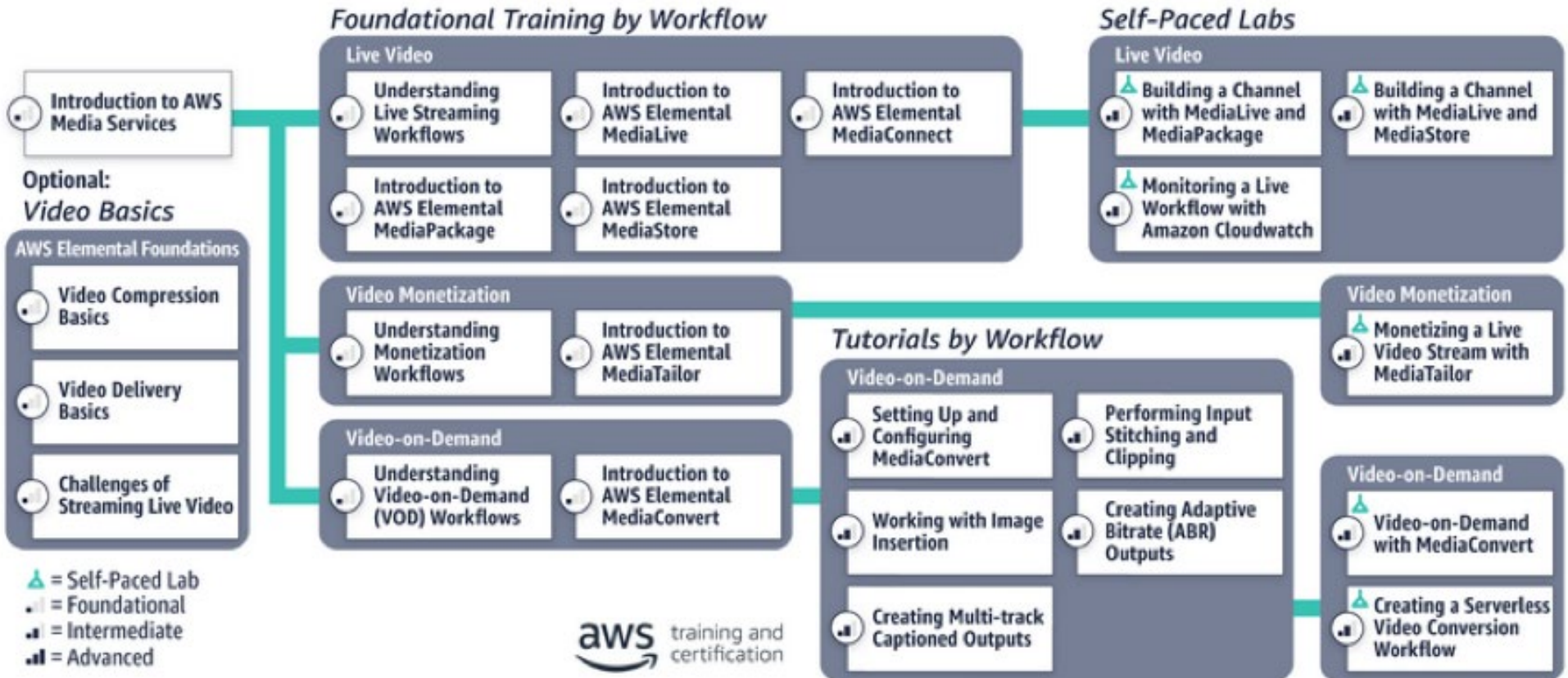
<https://www.wsj.com/articles/is-this-the-end-of-college-as-we-know-it-11605196909>

<https://www.forbes.com/sites/tomvanderark/2020/11/25/digital-credentials-a-better-way-capture-and-communicate-learning/?sh=4b7c8da62dd6>

<https://bloomboard.com/>

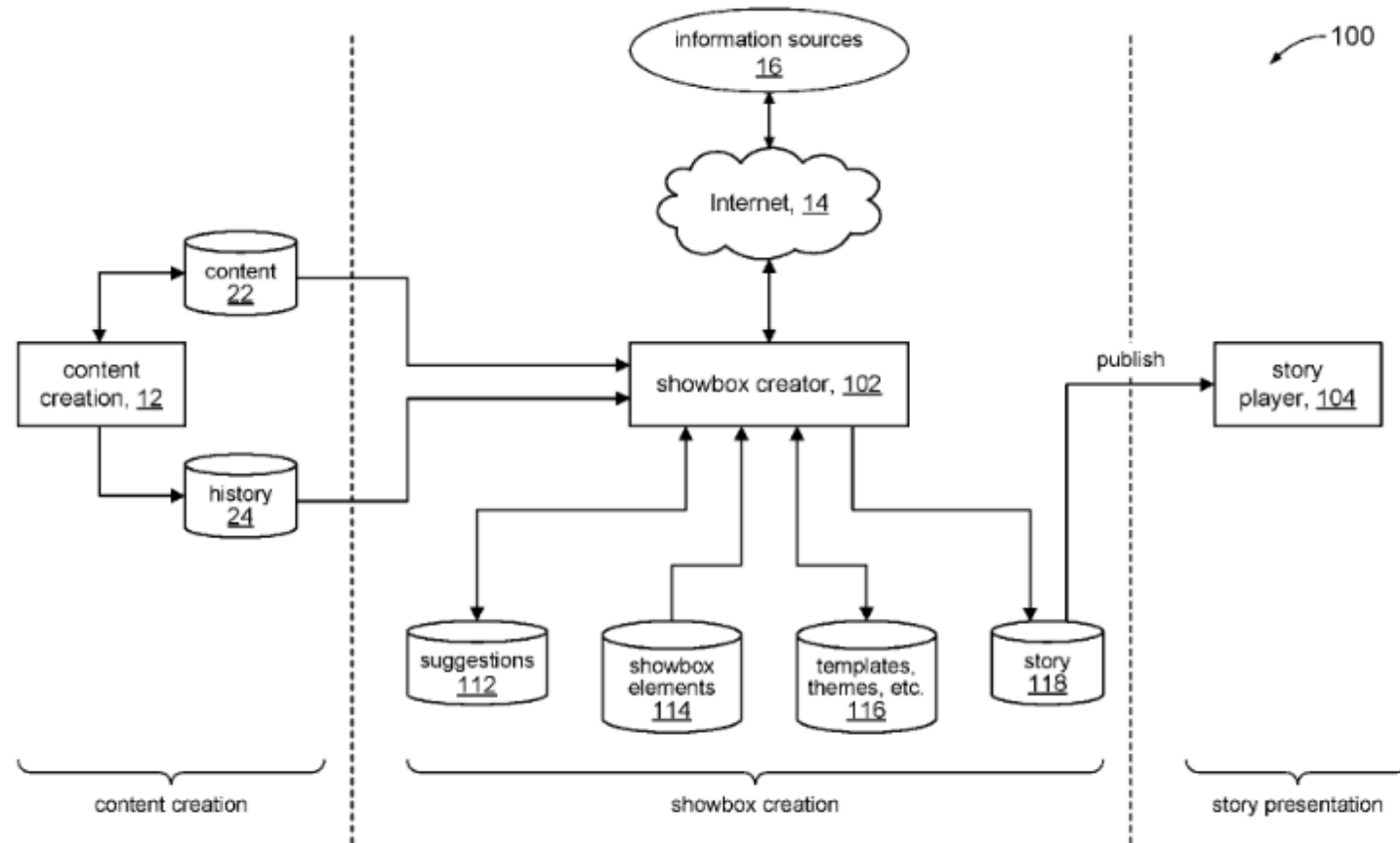
<https://www.glcredentials.com/>

# Recommendations and Learning Paths



<https://aws.amazon.com/blogs/media/aws-media-services-learning-path/>

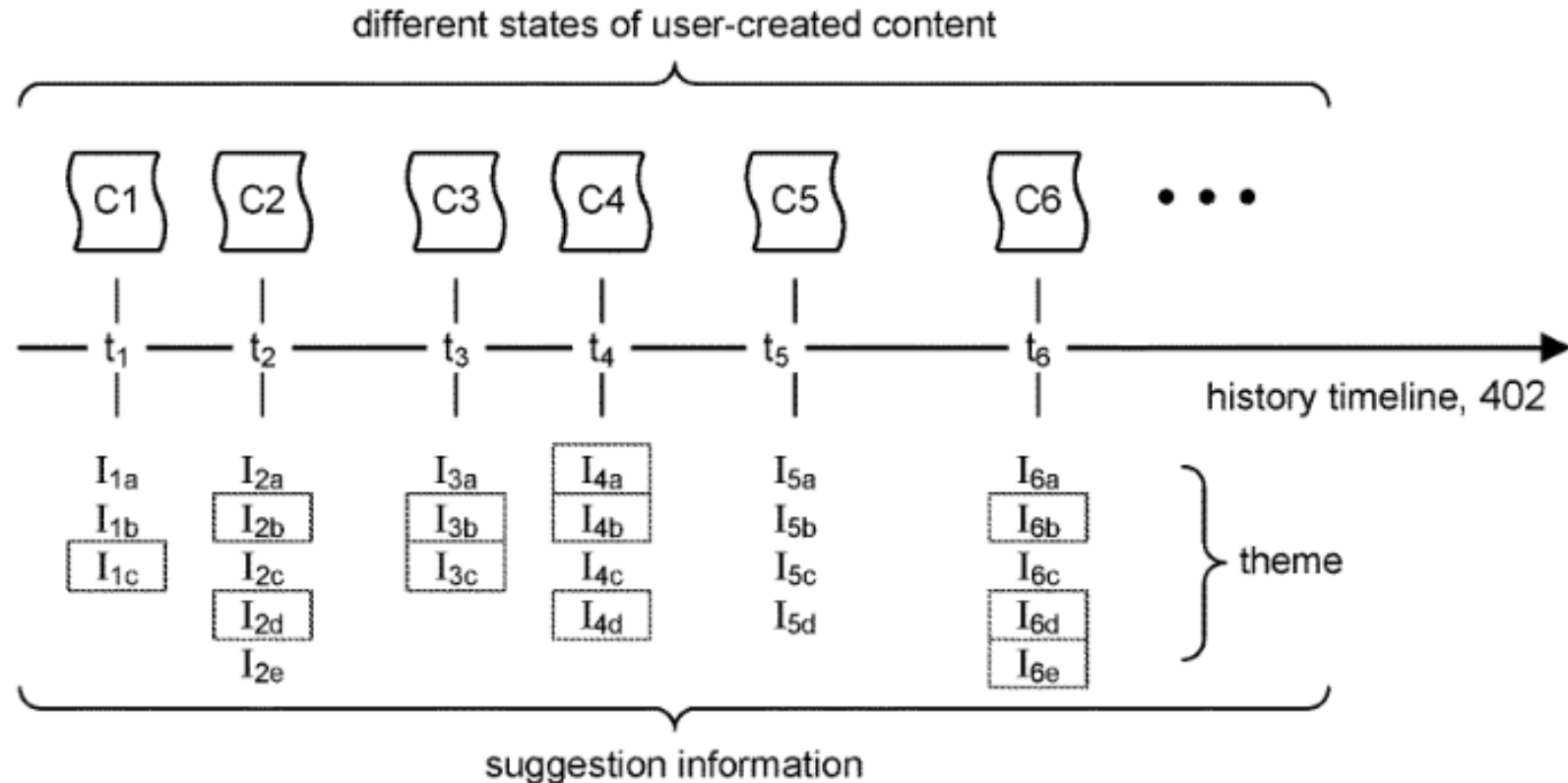
# Automatically Generated Content



<https://www.neowin.net/news/microsoft-patents-story-creation-system-with-auto-generated-content/>  
<https://pdfaiw.uspto.gov/.aiw?PageNum=0&docid=20190243873>



# Automatically Generated Content





# Automatically Generated Content

## Introducing: **WP Content Factory**

Create And Run Money-Making Affiliate Sites With Auto-Generated Content



### Automated Fresh Content

Build CONTENT-HEAVY sites with unique human-readable posts capable of ranking high in Google and other search engines. Your sites can be auto-filled with fresh traffic-generating content daily.



### FREE Traffic From Search Engines

Fresh content allows you to rank higher in search engines & pull unlimited FREE traffic every day. Google, Bing, Yahoo, etc. love sites with lots of posts.



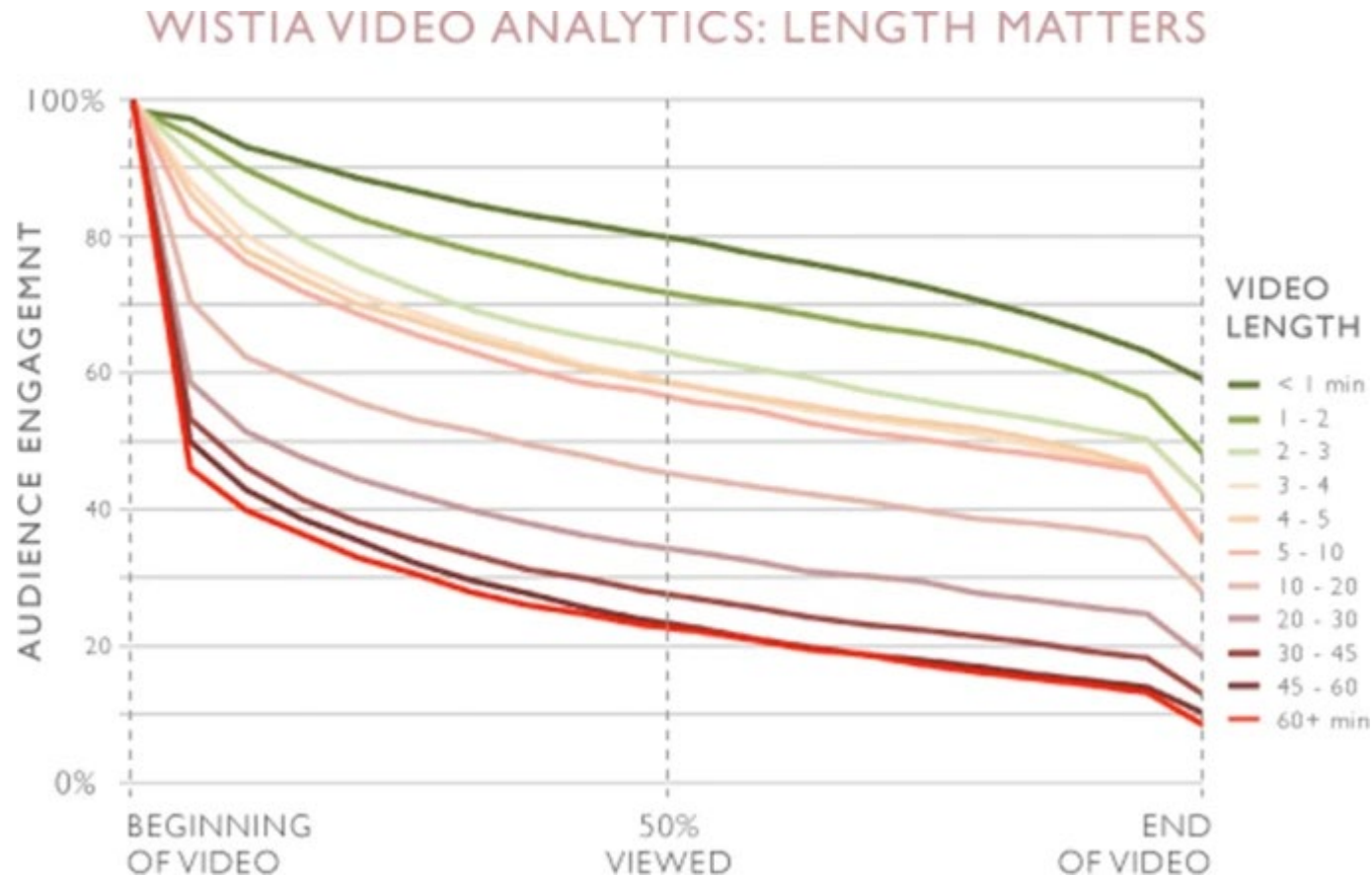
### Turn Traffic Into Profits

Your sites can earn affiliate commission from Amazon, eBay, and any affiliate program you can find. Additionally, you can monetize it with banner ads or use it to generate leads. It's up to you!

*WP Content Factory Plugin & OTO by Igor Burban*

<https://www.jvupsell.com/wp-content-factory-plugin-oto/>

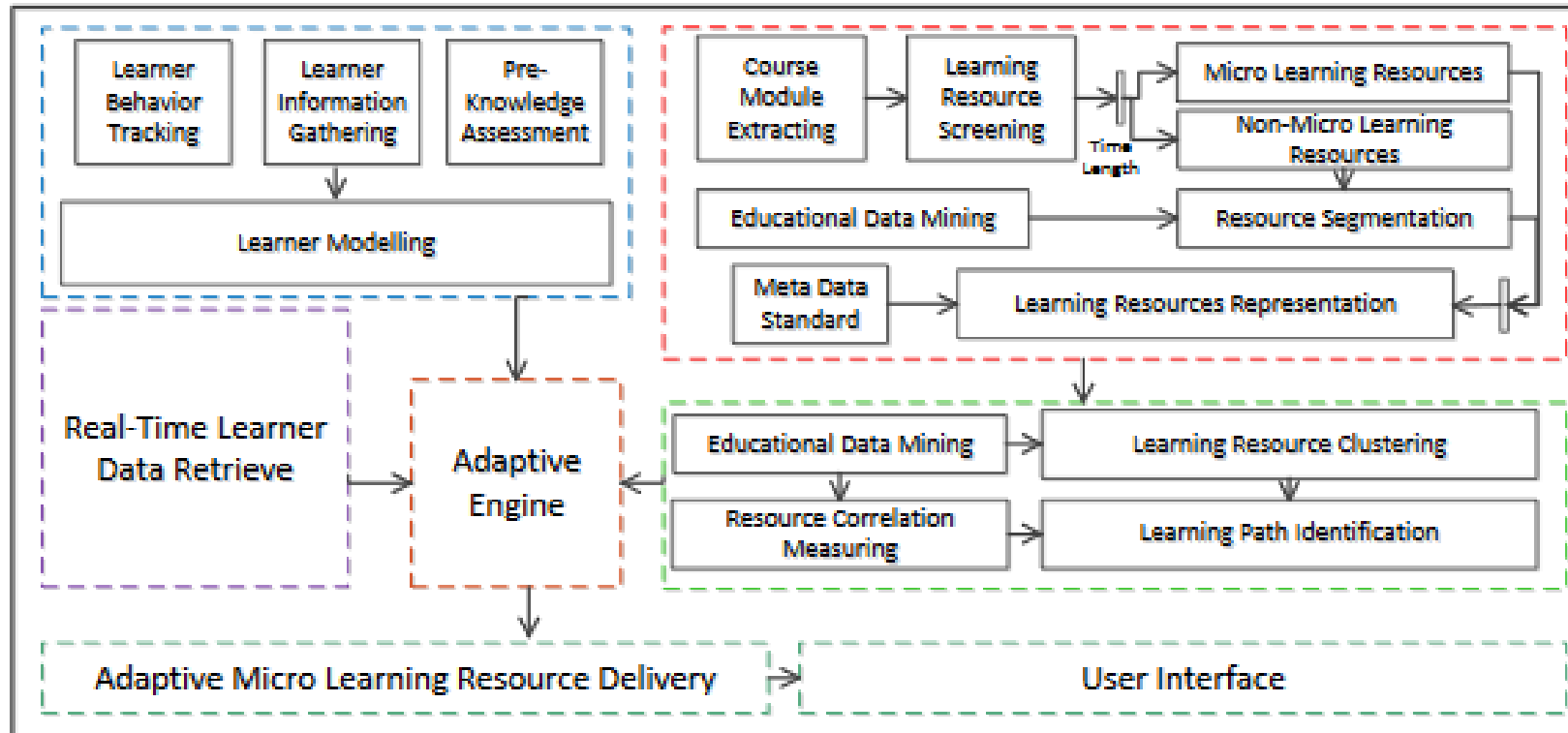
# Addressing Completion: Time



Integrating micro-learning content in traditional e-learning platforms. Rebeca P. Díaz Redondo, Manuel Caeiro Rodríguez, Juan José López Escobar & Ana Fernández Vilas. Multimedia Tools and Applications (2020)

<https://link.springer.com/article/10.1007/s11042-020-09523-z>

# Addressing Completion: Micro-MOOCs

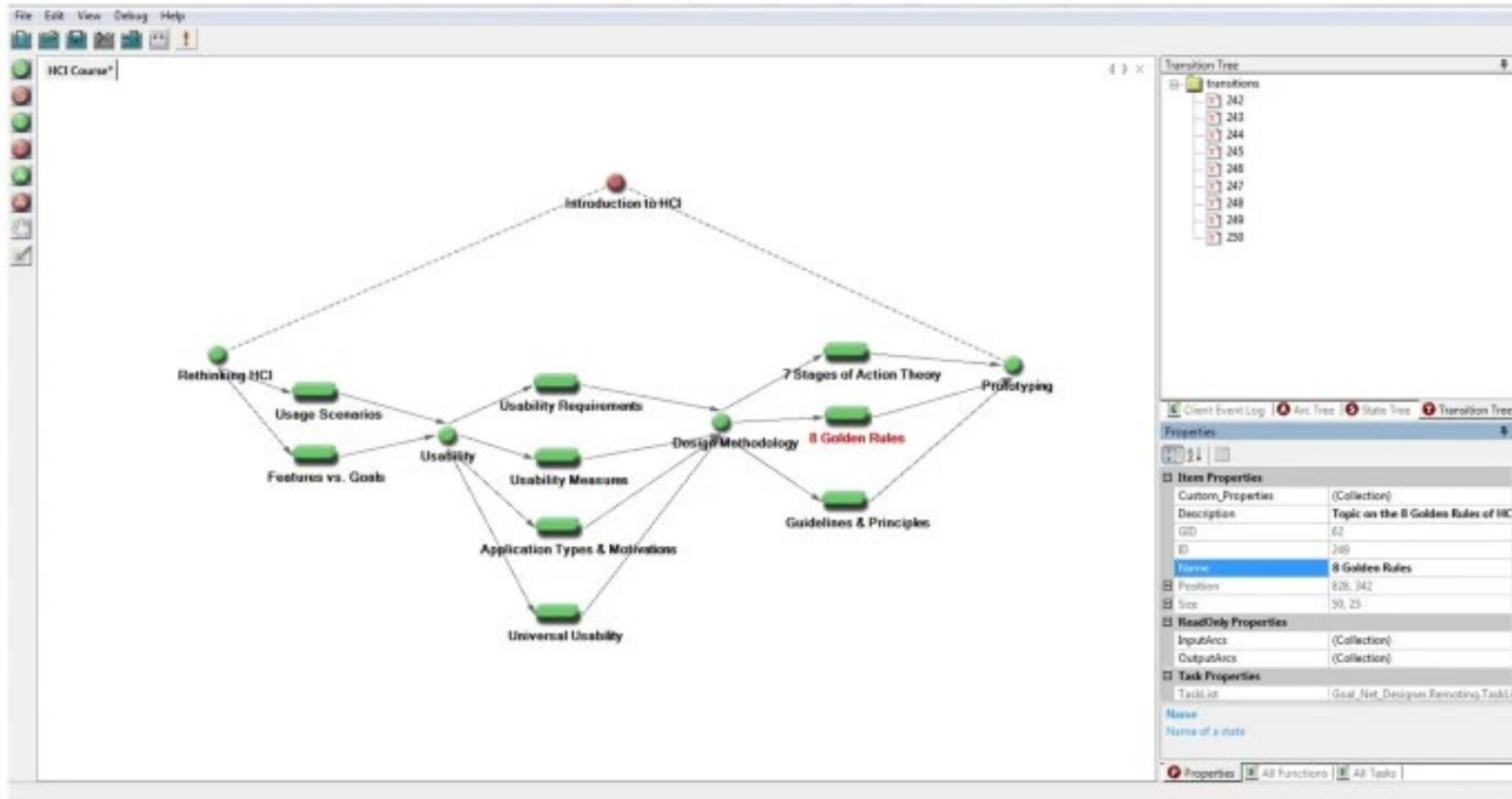


**Fig. 1.** Framework of Adaptive Micro Learning System for MOOC

Micro Learning Adaptation in MOOC: A Software as a Service and a Personalized Learner Model  
Geng Sun, T. Cui, et.al. Published in ICWL 2015

<https://ro.uow.edu.au/cgi/viewcontent.cgi?article=6225&context=eispapers>

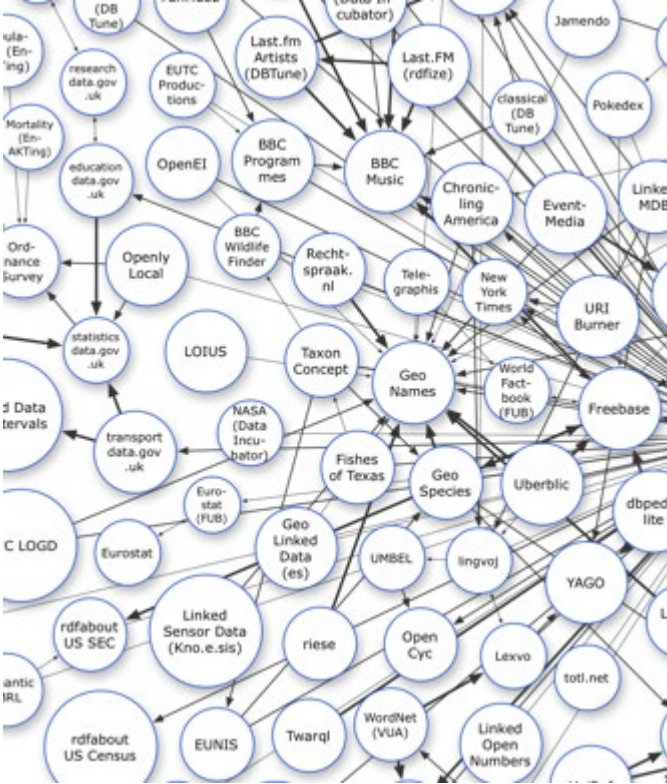
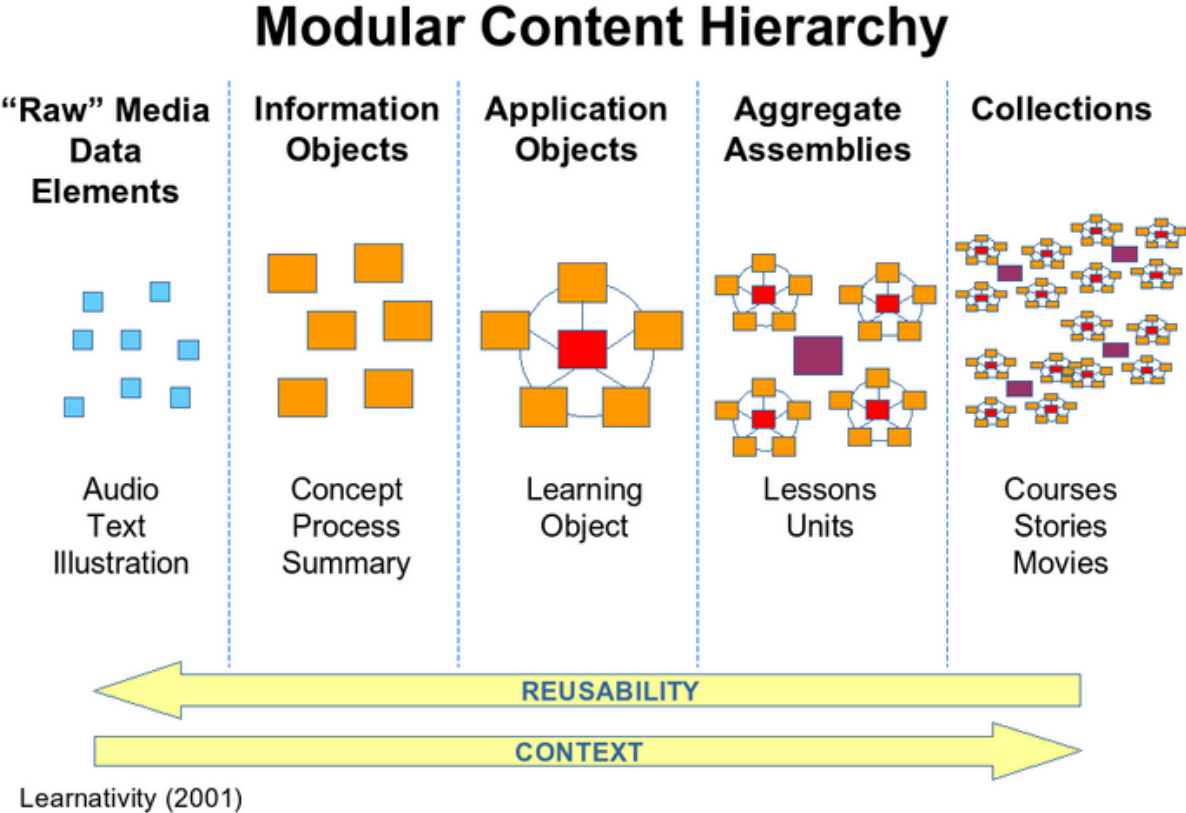
# Addressing Completion: Micro-MOOCs



Towards AI-powered personalization in MOOC learning. Han Yu, Chunyan Miao, Cyril Leung & Timothy John White. npj Science of Learning volume 2, Article number: 15 (2017)

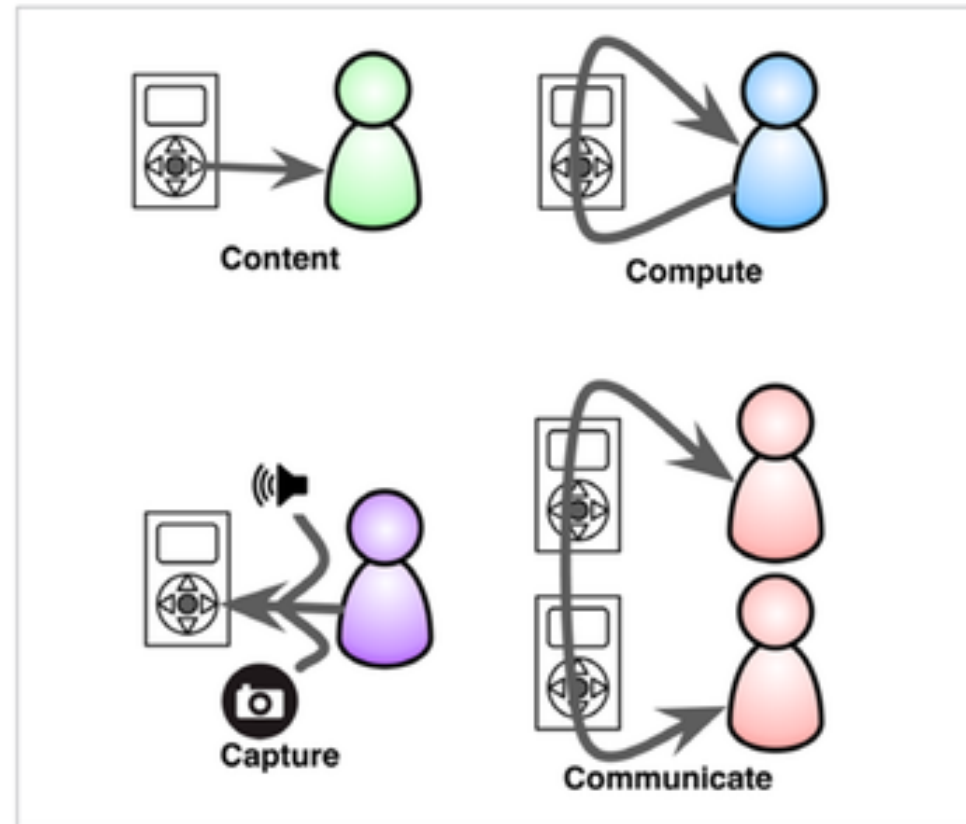
<https://www.nature.com/articles/s41539-017-0016-3>

# Micro-MOOCs vs Learning Objects, OERs



<https://classroom-aid.com/2013/05/25/what-you-should-know-about-learning-object-part-ii/>  
<https://circa.cs.ualberta.ca/index.php/CIRCA:Reference> links to Semantic Web Resources

# Micro-Learning Models

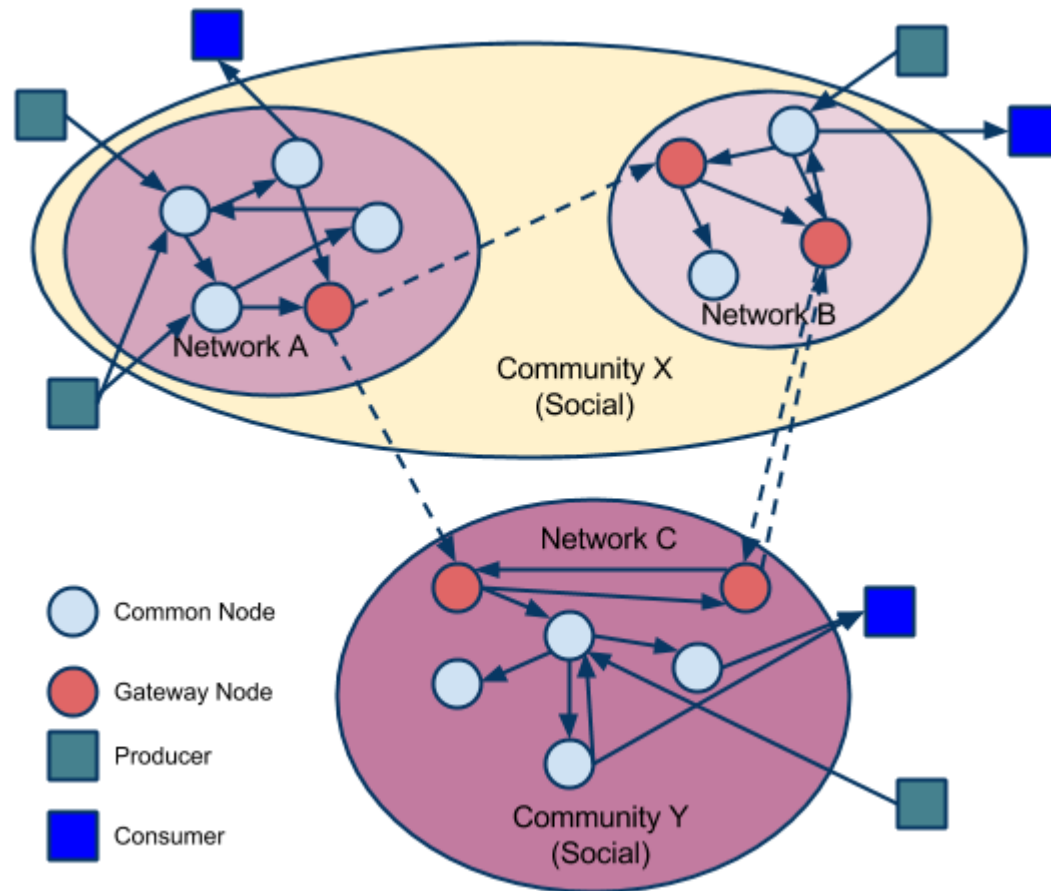


<https://mobiletechnologyinlearning.weebly.com/creating-m-learning-lessons.html>

<https://thelearningcoach.com/elearning2-0/what-is-microlearning/>

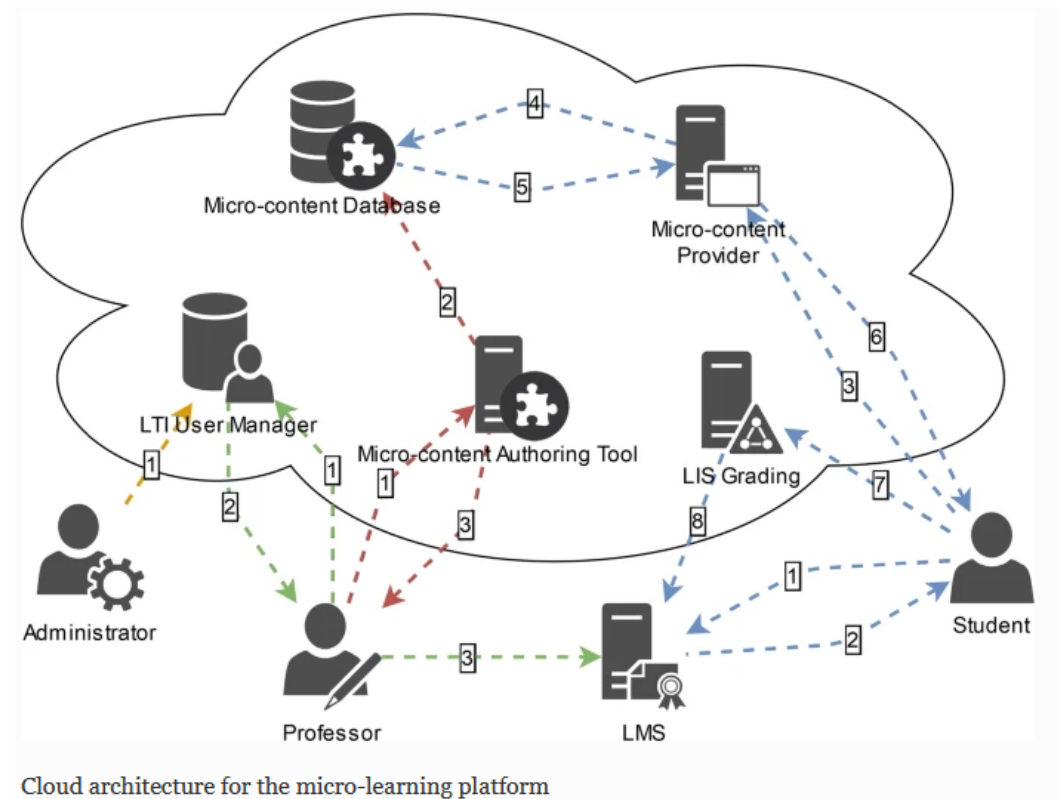


# Community Resource Networks



<https://classroom-aid.com/2014/06/08/social-network-of-learning-resources-learning-registry/>

# Micro-MOOC at Platform / In Platforms

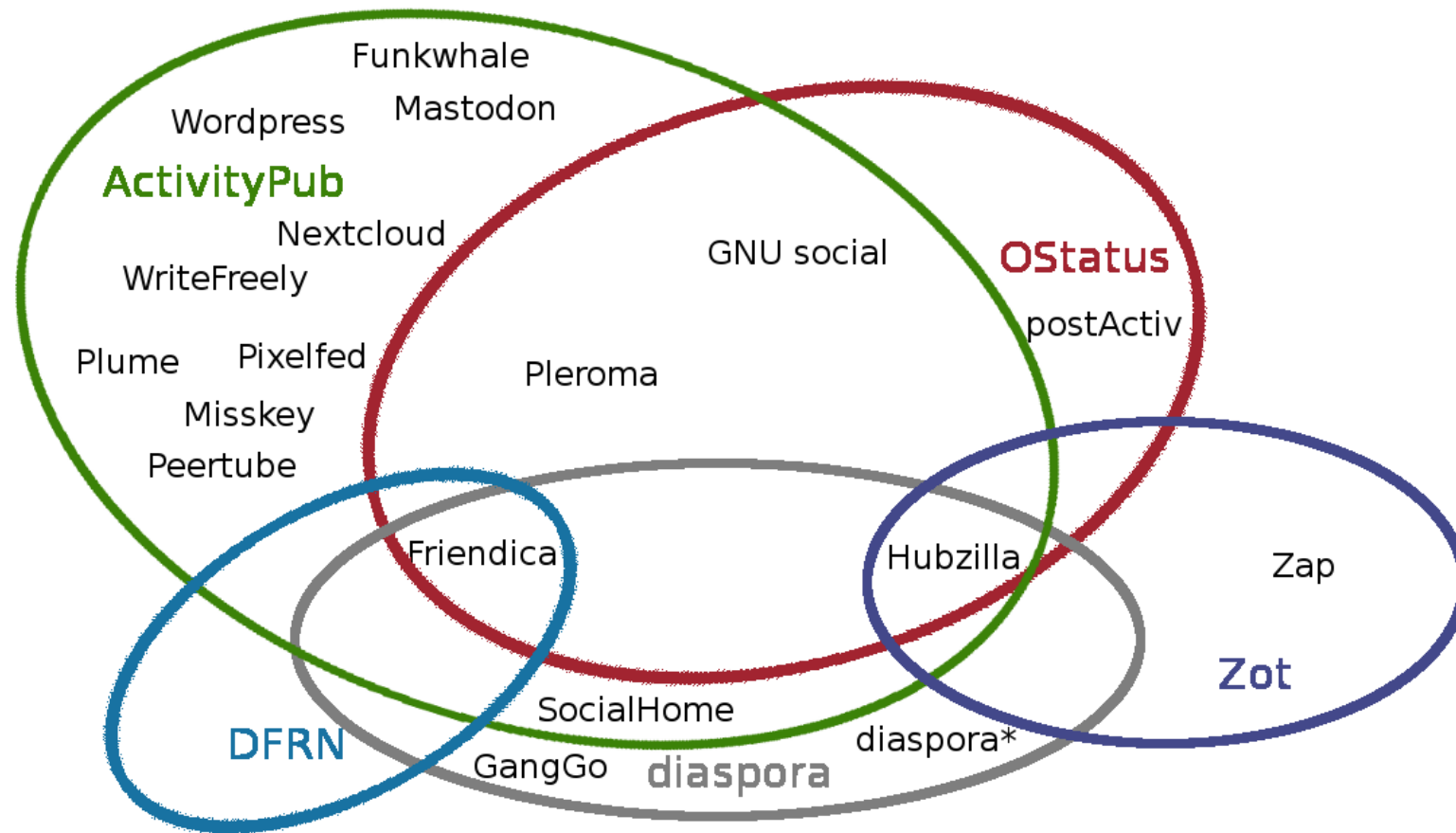


Integrating micro-learning content in traditional e-learning platforms. Rebeca P. Díaz Redondo, Manuel Caeiro Rodríguez, Juan José López Escobar & Ana Fernández Vilas. Multimedia Tools and Applications (2020)

<https://link.springer.com/article/10.1007/s11042-020-09523-z>



# Decentralization - Fediverse



<https://blogs.fsfe.org/tobiasd/2019/08/23/salonabend-im-schatzchen-vortrag-uber-das-fediverse/>



*Violaine Leroy*

*“And what greater delight and wonder can there be than to leave the straight lines of personality and deviate into those footpaths that lead beneath brambles and thick tree trunks into the heart of the forest where live those wild beasts, our fellow men? That is true: to escape is the greatest of pleasures; street haunting in winter the greatest of adventures”. Virginia Woolf*