



Case Study: Microsoft Open edX for Corporate Learning and Professional Training Syndication

05.25.17

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The Landscape

Learning is key to Microsoft's transformation

Microsoft's Mission | To empower every person and organization on the planet to achieve more

“Achieving our mission requires us to evolve our culture, and it all starts with a growth mindset—a passion to learn and bring our best every day to make a bigger difference in the world.”



Satya Nadella | CEO, Microsoft

ADDRESSING THE SKILLS GAP

48%

SAY IT'S HARDER TO FIND & RETAIN DATA & ANALYTICS TALENT



The need to lead in data and analytics, McKinsey, April 2016

81%

ARE LOOKING FOR BROADER SKILLSETS



Source: PWC, *People strategy for the digital age – A new take on talent*, 2015

38%

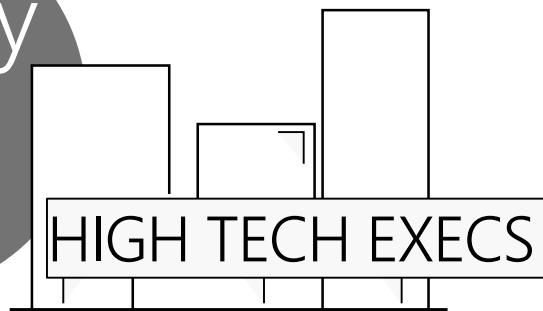
HAD DIFFICULTY FILLING JOBS IN 2015



Source: Manpower Group Talent Shortage Survey 2015.

Scarcity of talent

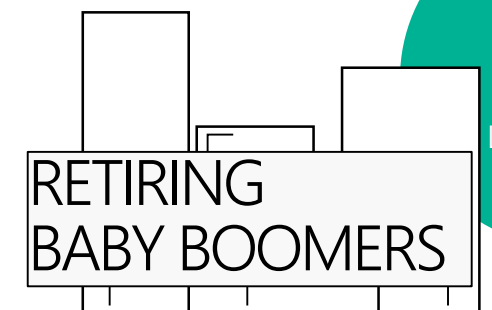
IS THE HIGHEST RISK TO COMPANY GROWTH



Source: Economic Conditions Snapshot, March 2016: McKinsey Global Survey results

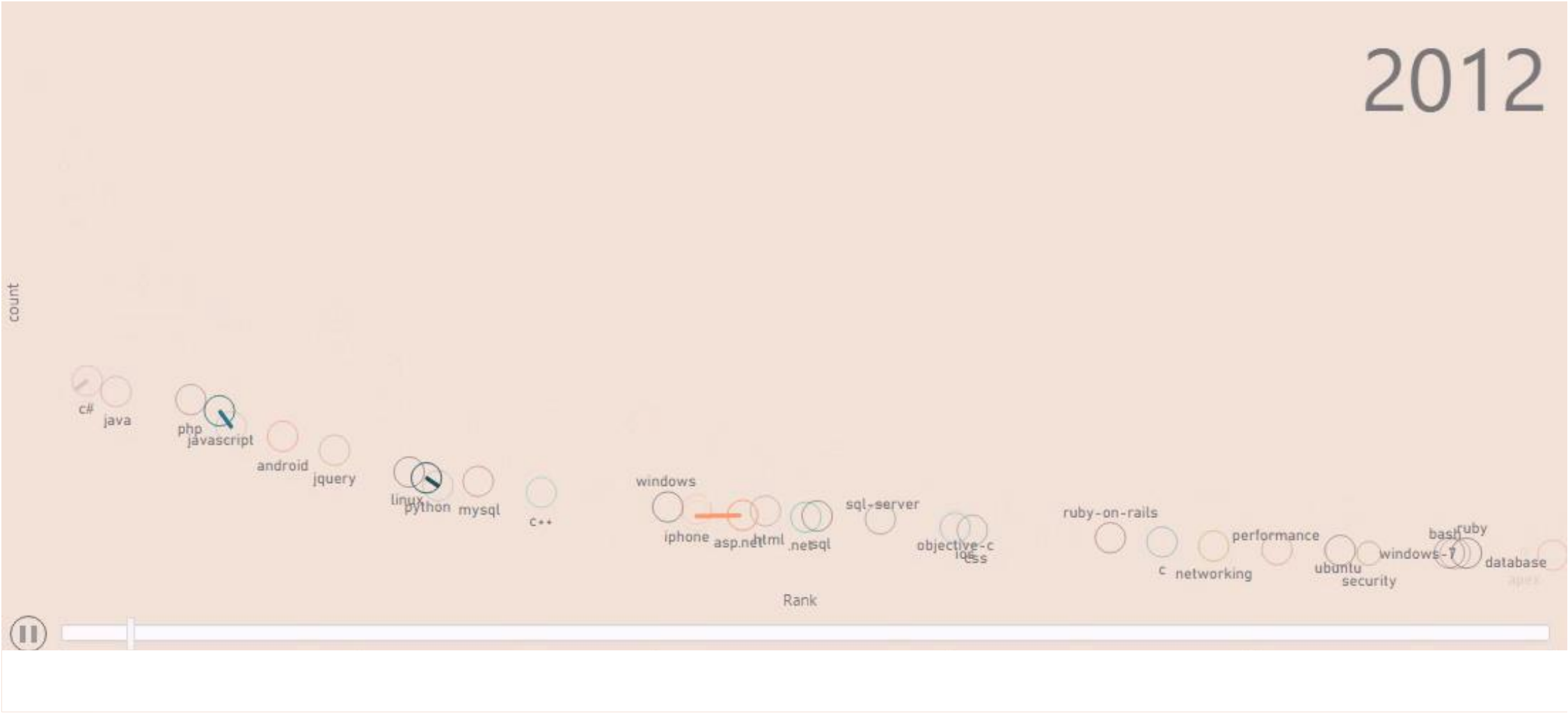
31M

POSITIONS LEFT OPEN BY 2020



Source: Georgetown University

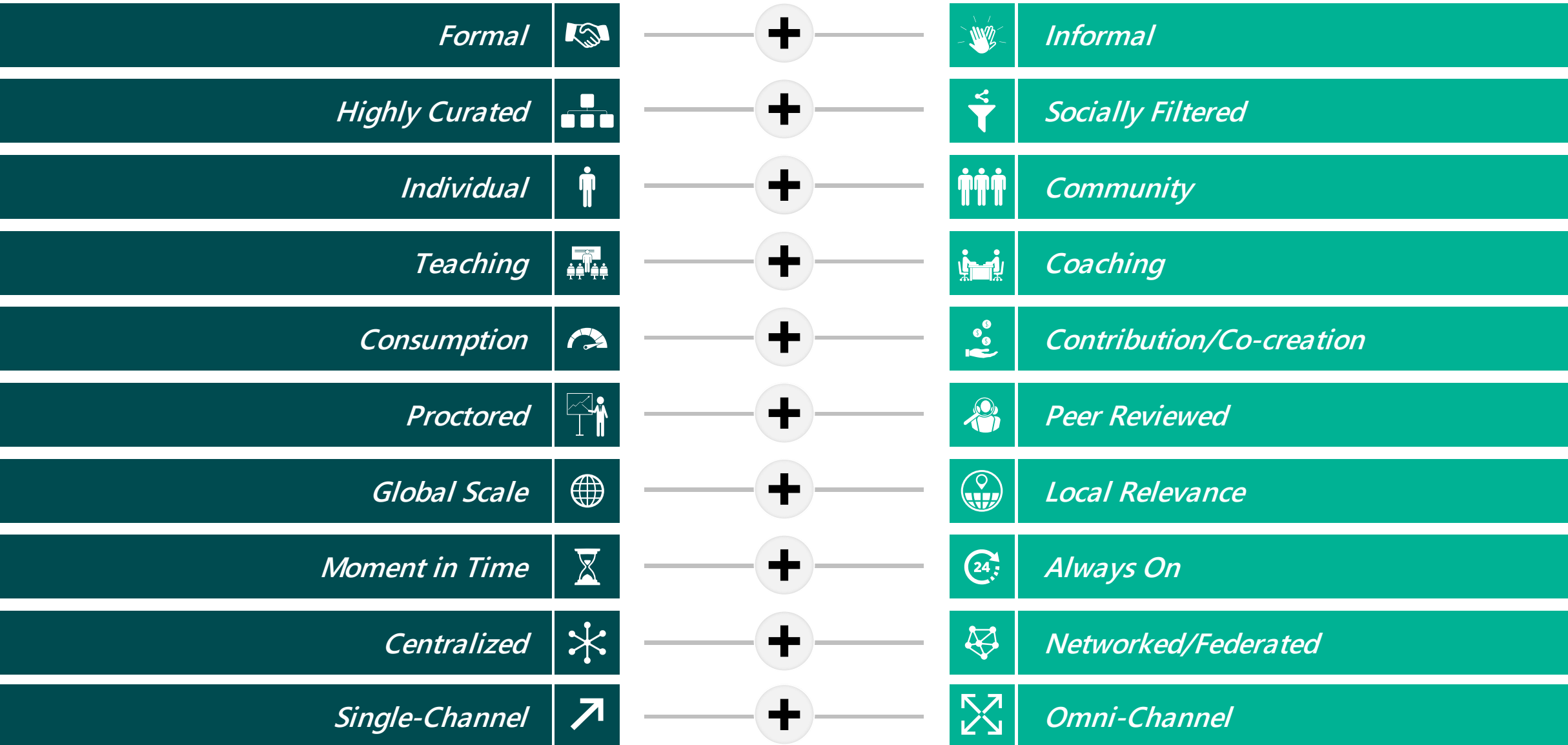
Adapting to the changing technology landscape



Animation of Stack Overflow questions and rank from 2011 to 2016 using technology tags

Enabling digital transformation and evolving needs

To Transform *with Learning* you must Transform *how you do your Learning*



Supporting all of our audiences

Customers



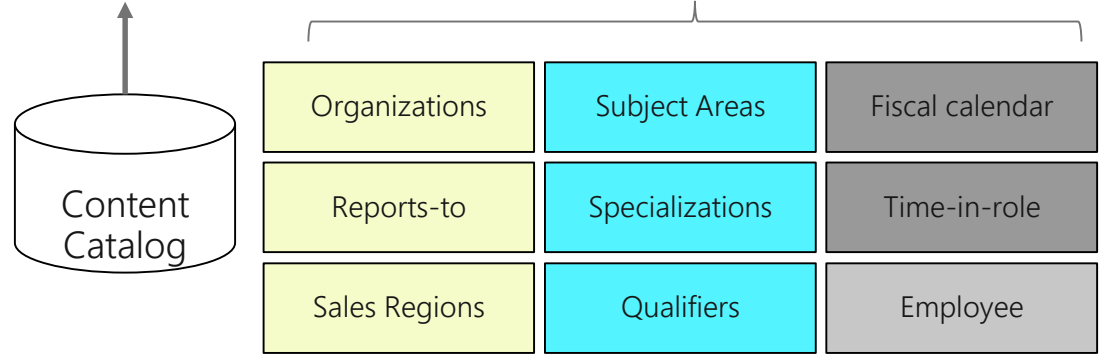
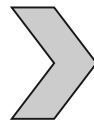
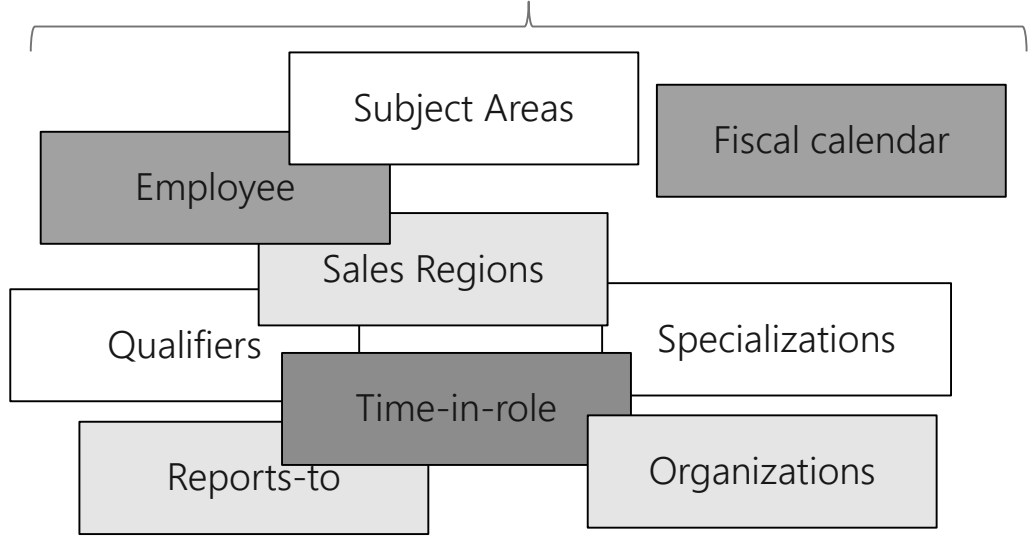
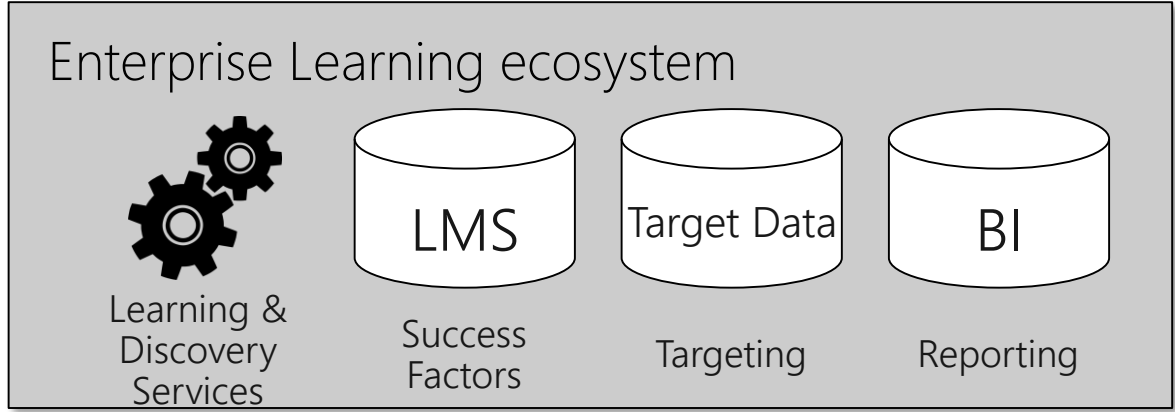
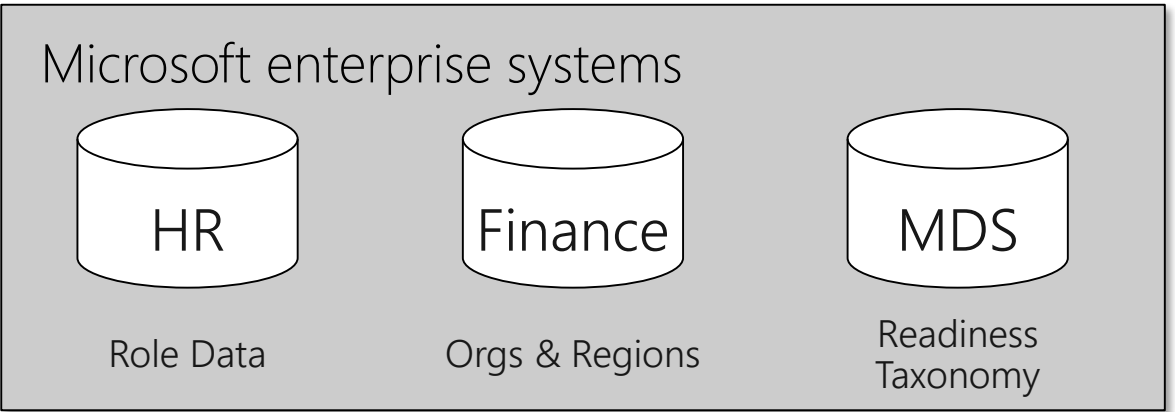
Partners



Employees



Integrating in the enterprise



The Solution(s)

Our approach

- Flexible solutions that enable learning at **SCALE**
- Deep extended **ENGAGEMENT** with experts and peers
- **IMPACT** that is applicable and measurable
- Content aligned to **SKILL** paths
- Learning **ARTIFACTS** representing hands on experiences and projects
- **ROLE-BASED** curricular for in-demand technology jobs
- Build **ONCE** to publish across multiple audiences

Massively Open Online Courses

Structured learning on edX.org and OpenedX



edX Courses ▾ Programs ▾ Schools & Partners About ▾ Search: [] Sign In Register

Microsoft

Free online courses from Microsoft

"Be passionate and bold. Always keep learning. You stop doing useful things if you don't learn." - Satya Nadella, CEO, Microsoft

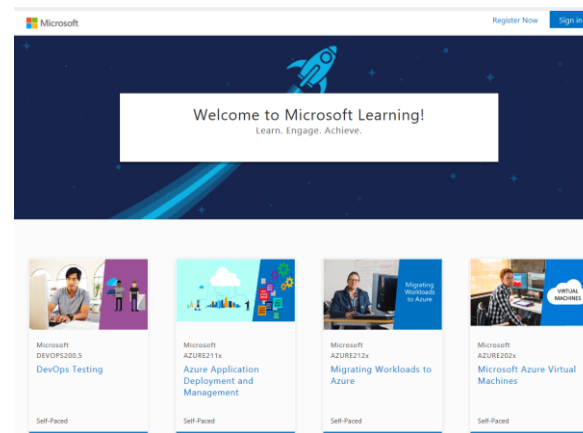
We live in a mobile-first and cloud-first world. Computing is ubiquitous, and experiences span devices and exhibit ambient intelligence. Billions of sensors, screens and devices – in conference rooms, living rooms, cities, cars, phones, PCs – are forming a vast network and streams of data that simply disappear into the background of our lives. This computing power

[See more](#)

Microsoft MOOCs

Browse free online courses in a variety of subjects. Microsoft courses found below can be audited free or students can choose to receive a verified certificate for a small fee. Select a course to learn more.



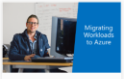

 <p>Microsoft Windows Server 2016: Basic Networking</p> <p>Starting Soon Starts: May 30, 2017 - Self-Paced</p>	 <p>Microsoft Windows Server 2016: Basic Storage</p> <p>Current Self-Paced</p>	 <p>Microsoft Getting Started with Azure App Service: Web Apps</p> <p>Current Self-Paced</p>
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Microsoft Register Now Sign In

Welcome to Microsoft Learning!

Learn. Engage. Achieve.

 <p>Microsoft DEVOPS200.5 DevOps Testing</p> <p>Self-Paced</p>	 <p>Microsoft AZURE2114 Azure Application Deployment and Management</p> <p>Self-Paced</p>	 <p>Microsoft AZURE2124 Migrating Workloads to Azure</p> <p>Self-Paced</p>	 <p>Microsoft AZURE2024 Microsoft Azure Virtual Machines</p> <p>Self-Paced</p>
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2.5M
Enrollments



100+
Courses



213
Countries



700K
Course Starts



Self-Paced or
Instructor Led



Validated
Certificate of
Completion



Assessments
Labs



Global



100+ Courses



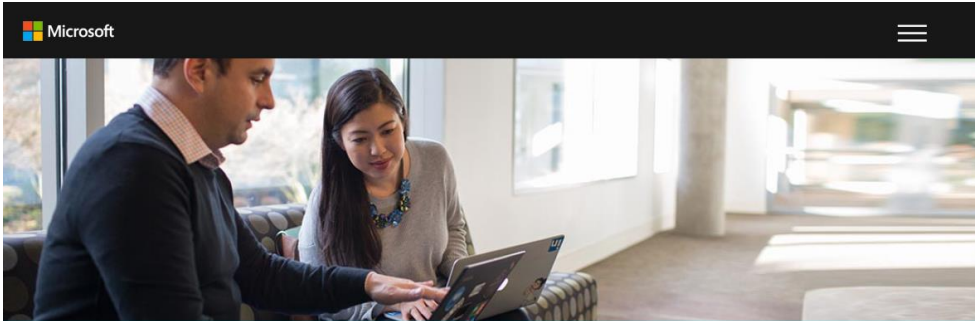
"Subway stop"
skills maps

<https://www.edx.org/school/microsoft>

<https://openedx.microsoft.com>

Microsoft Professional Program

MOOC-based training for technology job roles in the greatest demand



8 Data Science skills
1.5 million jobs

Opportunities for data scientists—one of today's hottest jobs—are rapidly growing in response to the exponential amounts of data being captured and analyzed. Companies hire data scientists to find insights and to solve meaningful business problems. Get the real-world knowledge and hands-on experience that can help you succeed in one of these new jobs.

Prove that you have what it takes in the Microsoft Professional Program.



Self-Paced
Video



Learning
Tracks



Role-based
training



Certificate
of Completion



Assessments
Labs



Global



50K+
Enrollments



3
Tracks



189
Countries

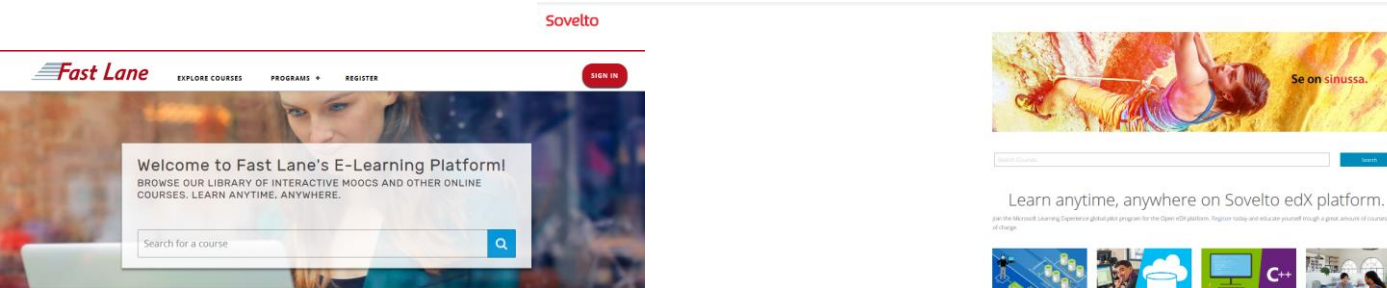


1100+
Graduates

<https://academy.microsoft.com>

Learning As A Service

Through partner learning syndication leveraging cloud services model



Why FastLane.live for Online Learning?

- **PICK A COURSE AND SIGN UP TODAY**
Choose from a variety of courses covering the latest technology trends.
- **LEARN ON YOUR OWN SCHEDULE**
Our e-learning consist of short videos lectures and interactive assessments. Interrupt and continue your journey at any time and from anywhere.
- **BENEFIT FROM MENTORING SERVICES**
Pick any of our XSeries programs and receive support from our experienced Subject Matter Experts.
- **ACHIEVE YOUR GOALS**
Design your learning journey and receive a certificate of completion for your accomplishment.



Learning Platform



Cloud Solution



Global



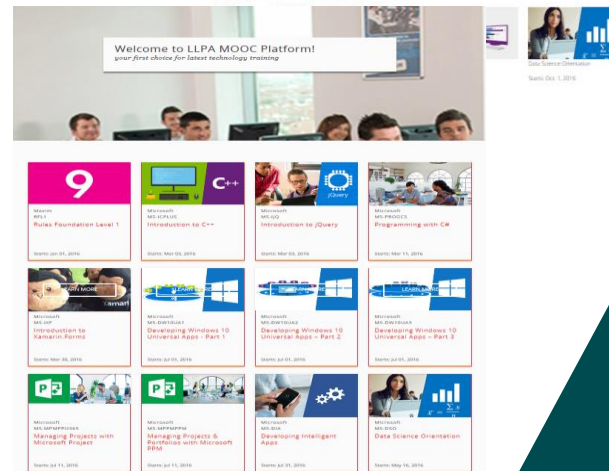
Local



Assessments Labs

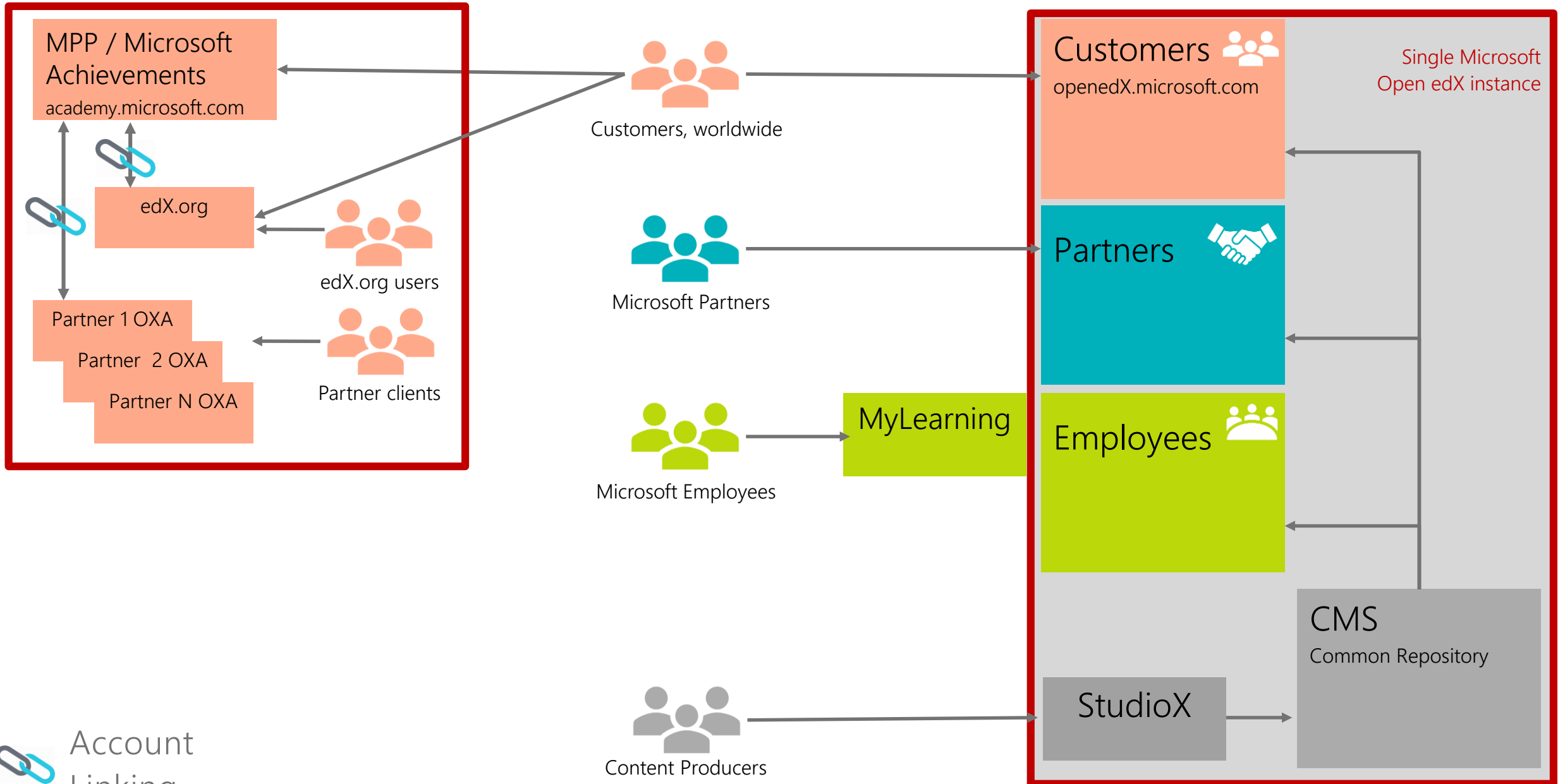


Microsoft Certificate of Completion



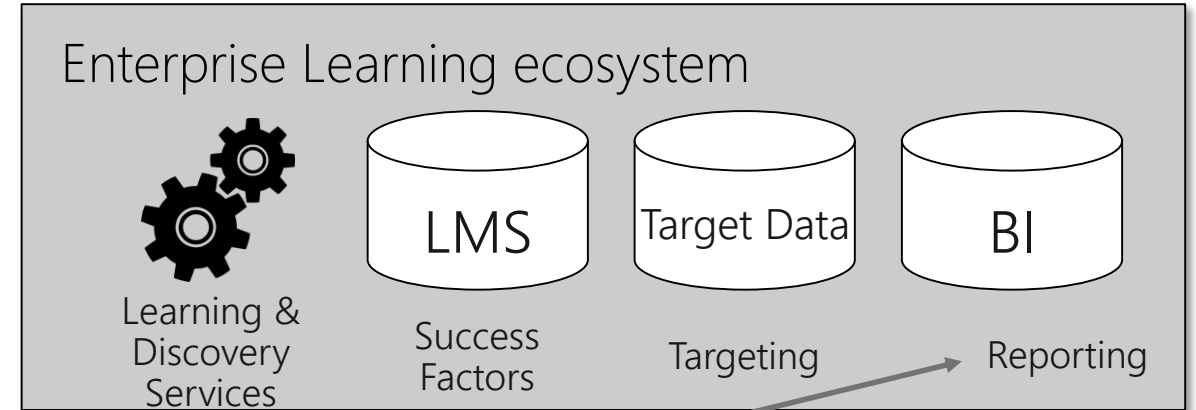
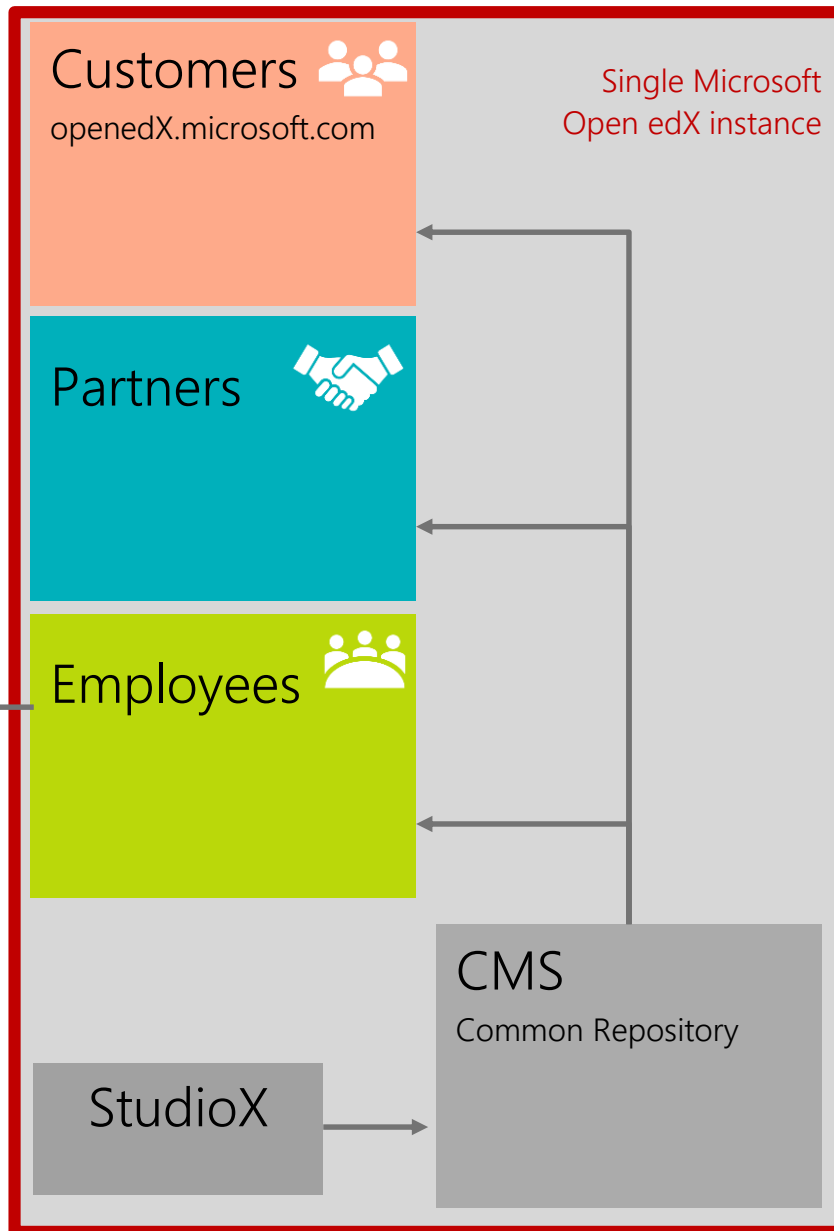
- Microsoft provides deployment templates
- Microsoft MOOCs provided to partners for import into their own Open edX instances
- Each MOOC contains a LTI module to enable Microsoft Achievement workflow
- Learners have centralized place on academy.microsoft.com to view achievements

Connected Open edX Ecosystem



 Account Linking

Integrated in the Enterprise



- Open edX *employees* Django site integrates with L&D services to push the MOOC catalog
- Additionally, pushes data (course progress, etc) into the reporting data warehouse

The Results

Microsoft COMPLETION RATES Across Modalities

100%

Instructor Led
Training

4%

MVA.Microsoft.com
Online tutorials

5-7%

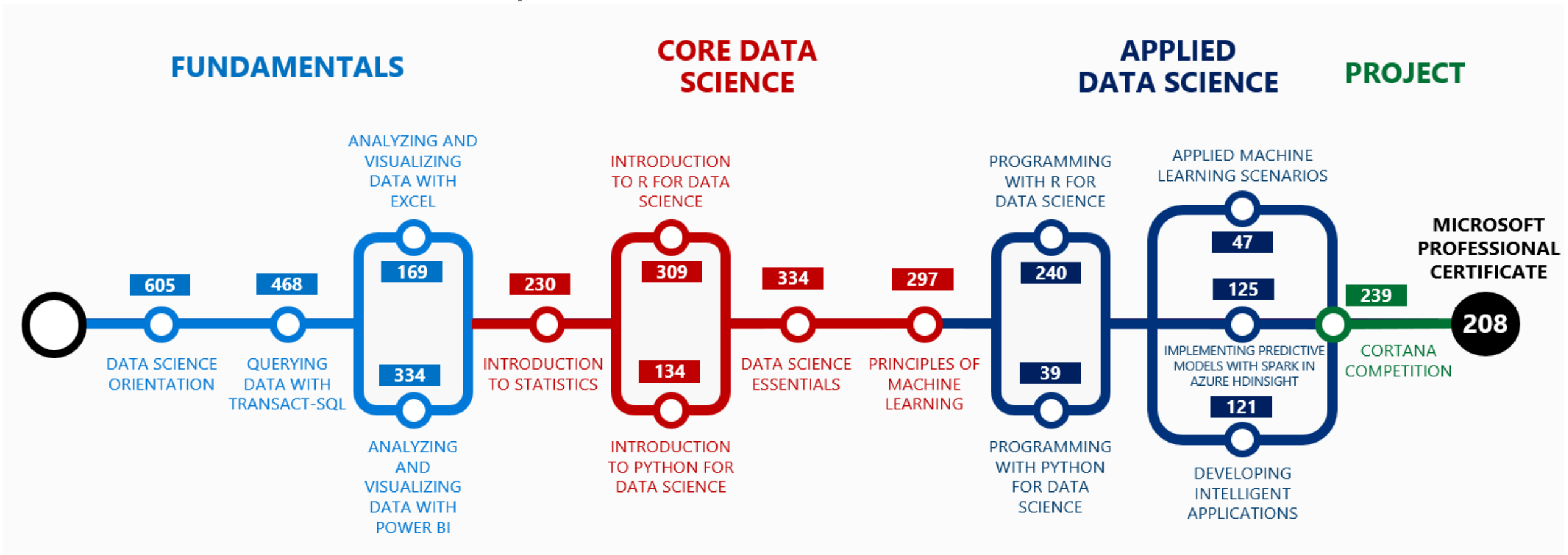
edX MOOC

30%

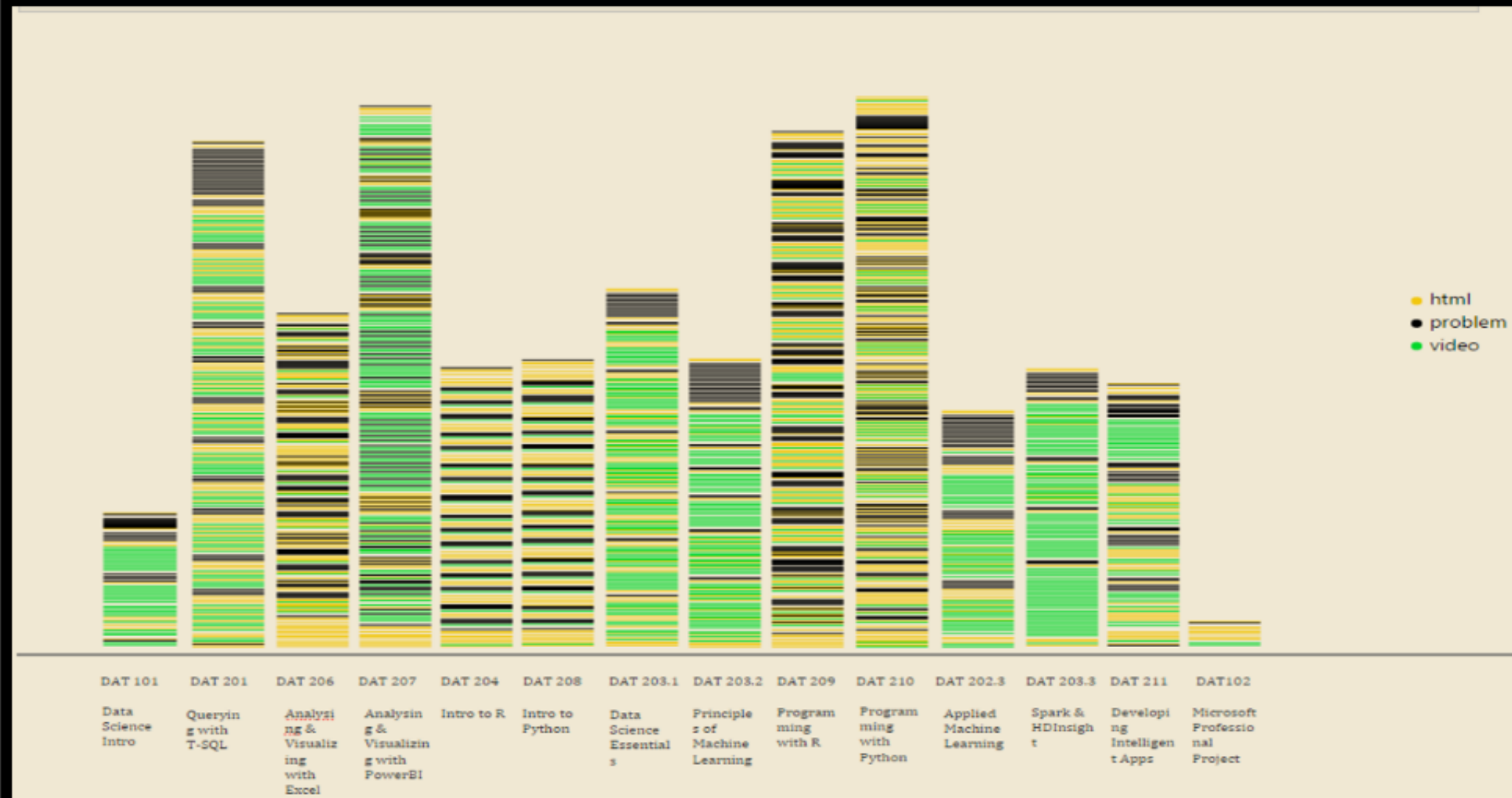
DATA SCIENCE
PILOT

The power of the curriculum on MOOC completion rates

Data Science curriculum
30% of cohort complete entire curriculum



DNA of courses in MPP Data Science curriculum



31%

23%

6%

23%

18%

21%

16%

12%

12%

4%

9%

18%

8%

12%

Completion rates

A wide-angle photograph of the Harvard University campus at dusk. The sky is filled with soft, colorful clouds in shades of blue, orange, and white. In the foreground, several large, multi-story brick buildings with many windows are visible. A prominent white steeple with a clock tower is on the left side. The overall scene is peaceful and historic.

THE JOURNEY BEGAN MARCH 10, 2015



AND BY JULY 2015...

124,000 LEARNERS

193 COUNTRIES

MEDIAN AGE – 29 YEARS

7 COURSES

ONE YEAR LATER: JULY 2016

FROM 7 COURSES TO 70

1.25M LEARNERS

ANNOUNCED MICROSOFT
PROFESSIONAL PROGRAM IN DATA
SCIENCE

INTERNAL PILOT OPEN EDX ON AZURE



AND NOW: MAY 2017

OVER 100 COURSES

2.6M LEARNERS

1100 GRADUATES OF THE MICROSOFT
PROFESSIONAL PROGRAM IN DATA
SCIENCE

OPEN EDX ON AZURE STAMP DEPLOYMENT



Thank you

