The Digital Education Disruption

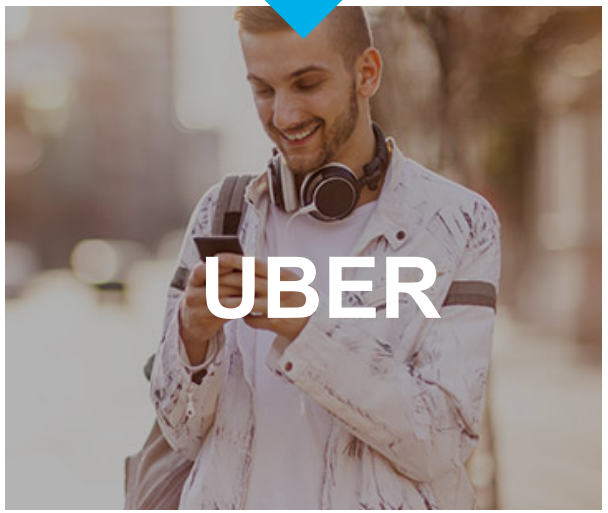
Anant Agarwal
MIT Professor and CEO of edX.org

2030

TAXI

THEATRE

HOTEL


UBER

NETFLIX

AIRBNB

Too Costly
Poor Quality

Tech Moving
Too Fast

No Scalability

Too Much
Turnover

75%

Tomorrow's Learning Will Be Digital

On Demand

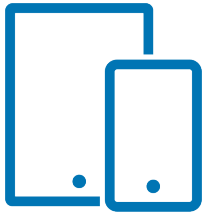
Fits Into Busy Lifestyles

Connected

Social, Peer Recommended, Global

Personalized

Experiential, Fun, Self-Directed



Mobile

Learn On-The-Go

Flexible

Anytime, Anywhere

43%
Career Advancement
47%
Posted on LinkedIn
45%
Included on Resume

The edX Reach and Impact

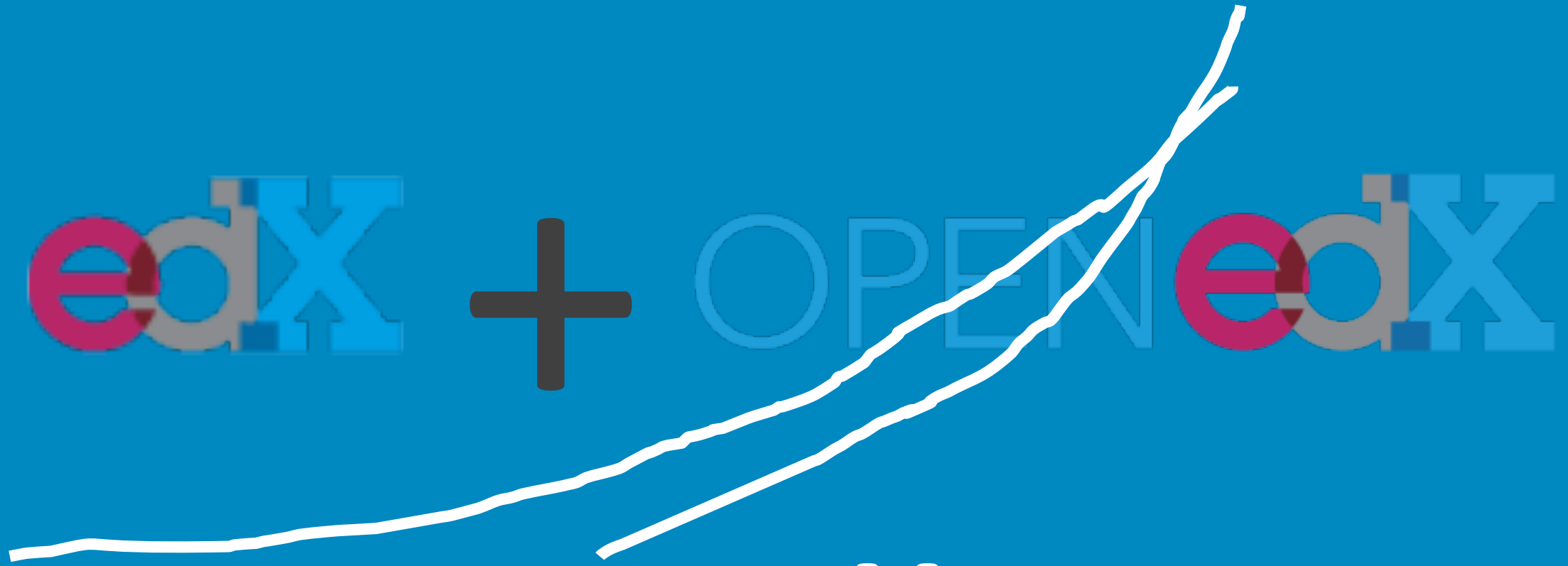
11 Million
Global learners

1500+
Courses

120+
Global partners

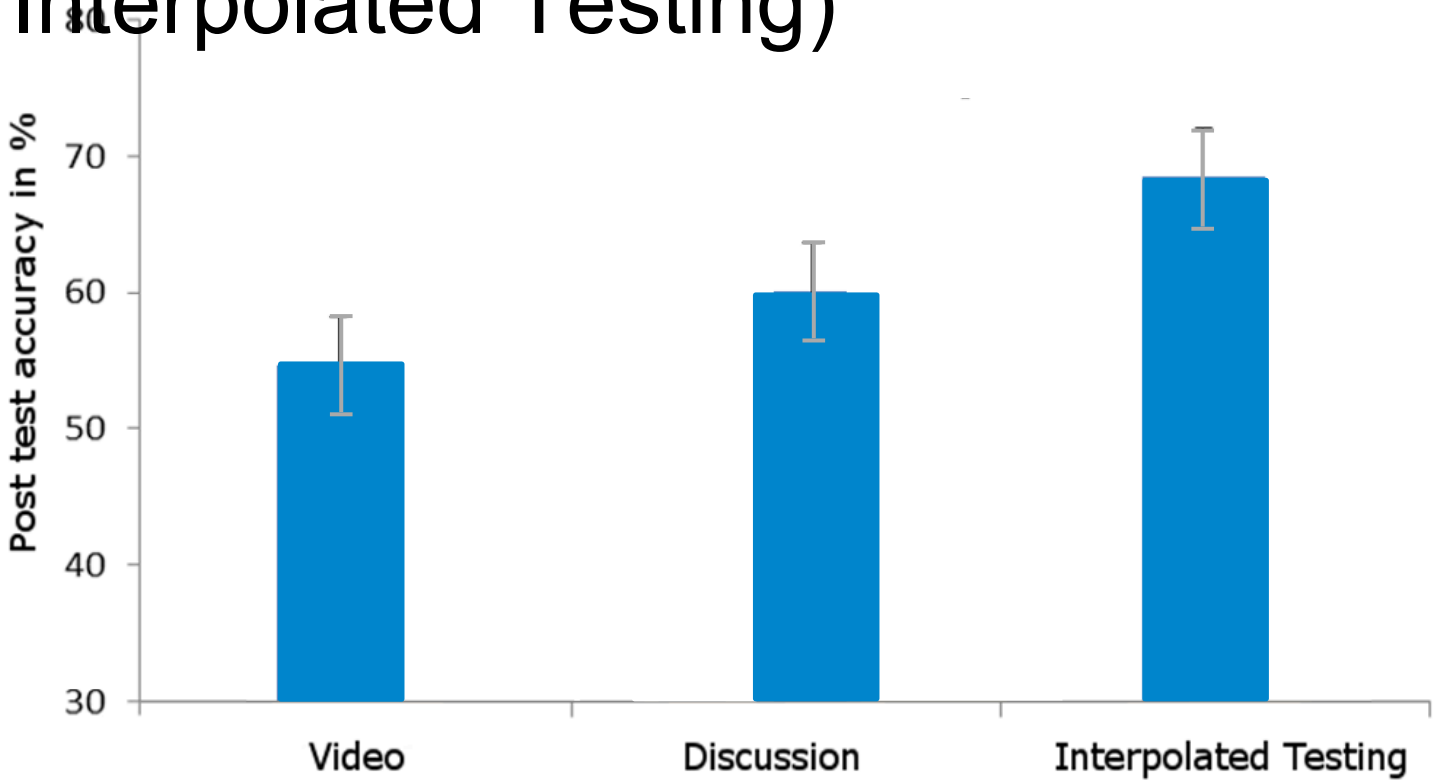
40 Million
Course enrollments

8,000+
Credit eligible learners


edX + OPENedX
22 million

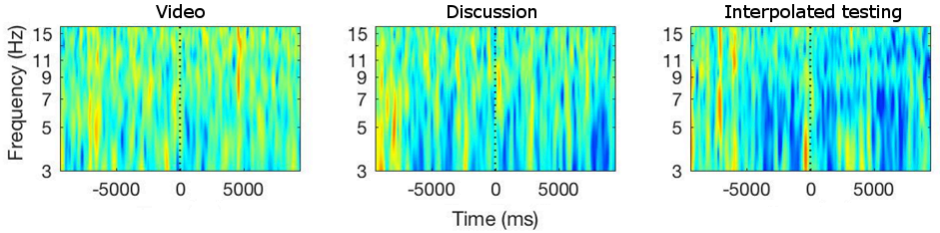
Big Data + Neuroscience

Pedagogy Behind the edX Platform – Active Learning (aka Interpolated Testing)

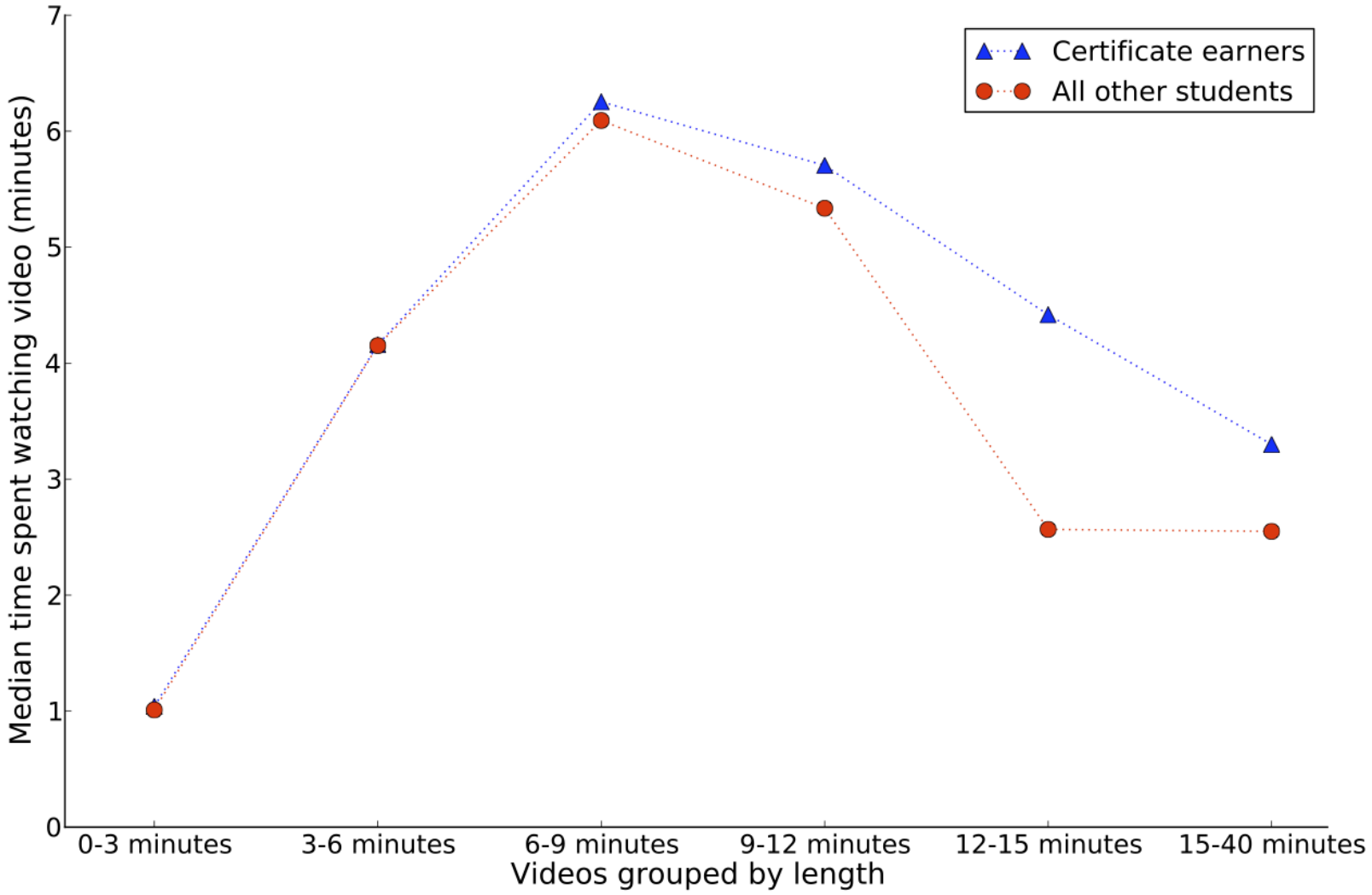


Okana, Gabrieli et al, 2016
MIT Brain and Cognitive Sciences, MITili

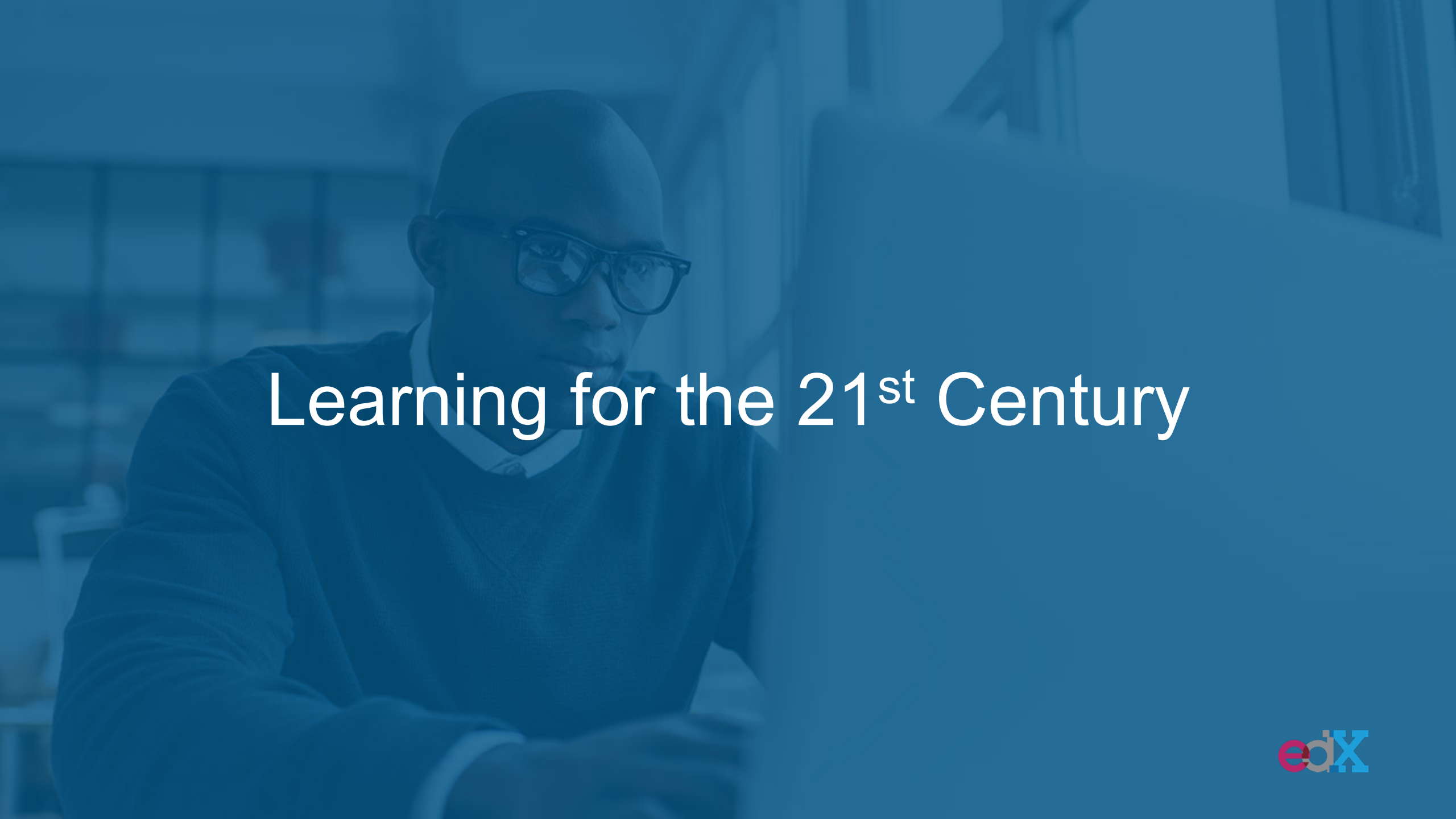
EEG data



Big Data Driven: How Long Should Videos Be?



Philip Guo assistant professor of Computer Science at the University of Rochester



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TU Delft

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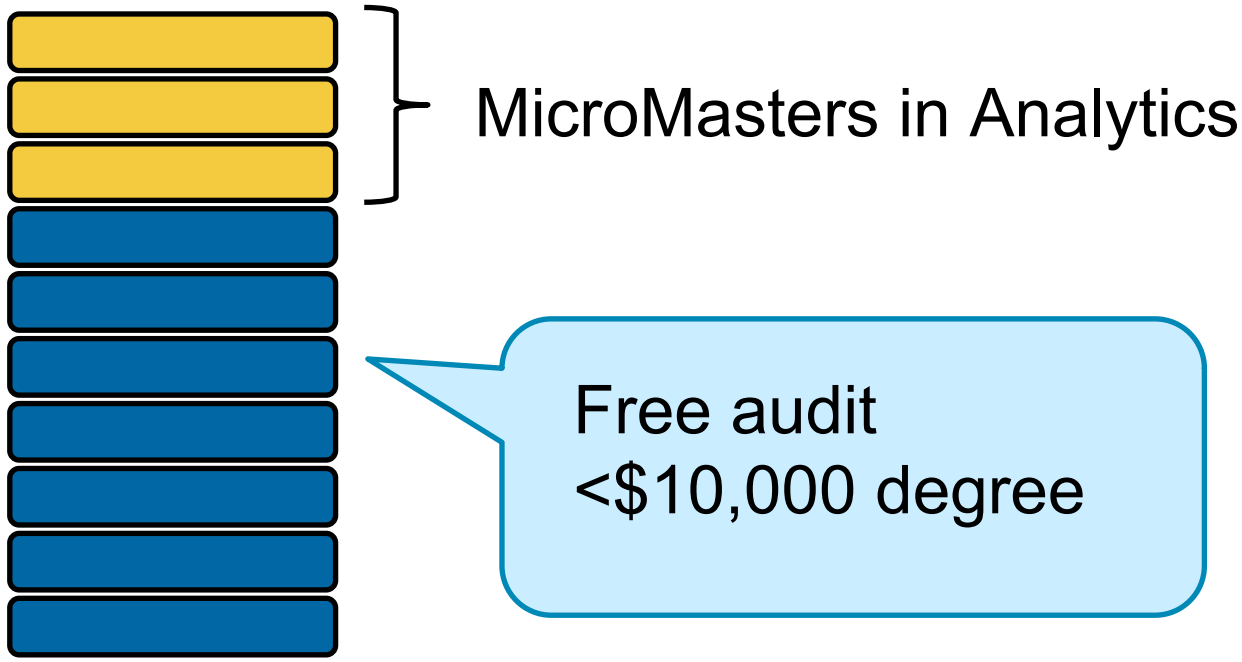
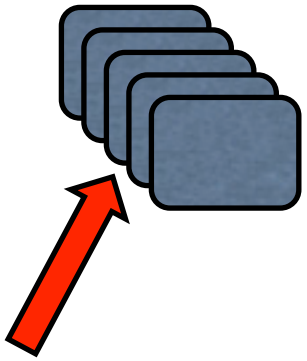


Unbundling can result in stacked, modular credentials

Many Required Platform Features
E.g., Innovating on Integrity

Timed Exams

Control Exam Visibility



Randomized Problems, Randomized numerics

Virtual Proctored Exams

Cohorts and differentiated content

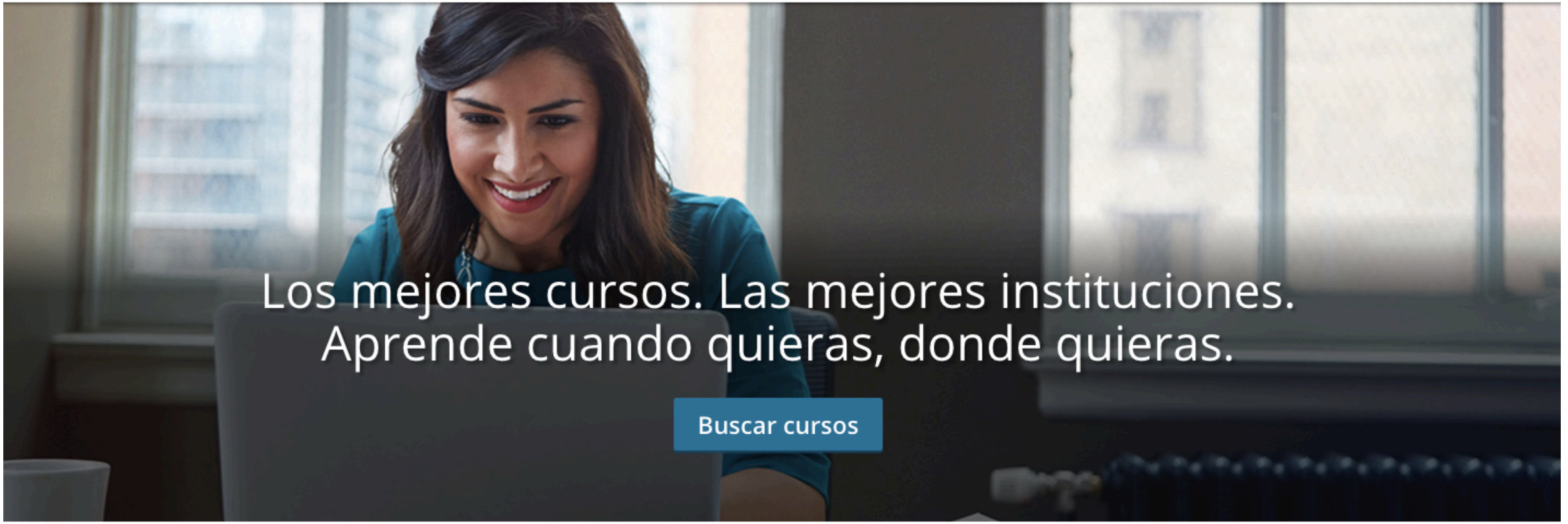
"This semester, one experimental offering is Circuits and Electronics... students learn the content online through the edX platform... The course professor and TA are available to answer questions on campus, but the entirety of the course is taken online."

MIT campus use of edX MOOC course

Research in collaboration with MIT Teaching and Learning Laboratory
http://odl.mit.edu/sites/default/files/PreliminaryAssessmentofMITonEdX.pdf

UNIVERSITY

edX Cursos Programas Universidades Acerca de Buscar: Iniciar sesión Registrarse



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edX

The Future of Education is
In-Demand, On-Demand
edX

“The material I am learning in the MicroMasters program is useful every single day and has helped me become very effective in a leadership role.”

JAVIER, SUPPLY CHAIN ENGINEER
GOOGLE| UNITED STATES