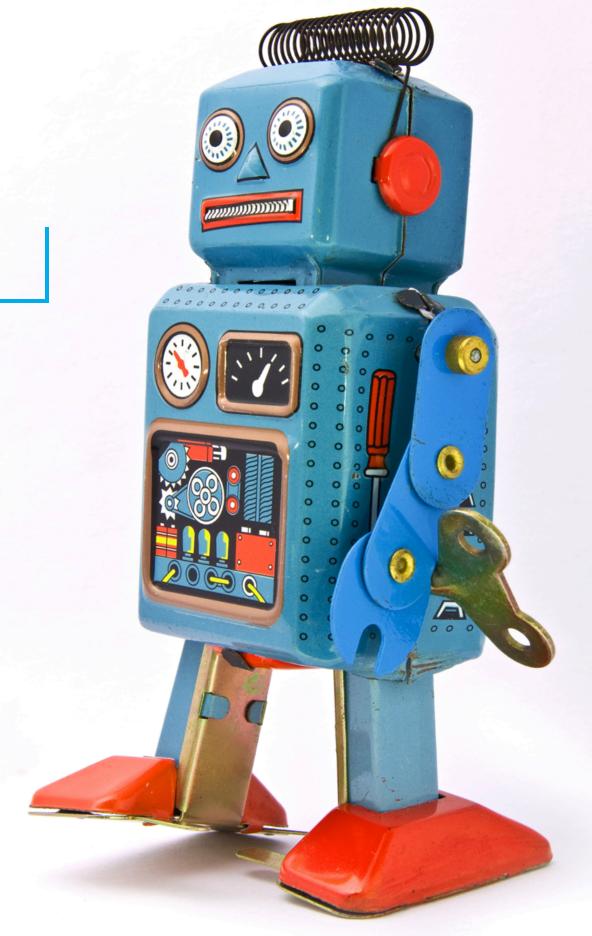
Enabling Learning & Performance Analytics with xAPI



Mike Rustici
Founder & CEO
Watershed
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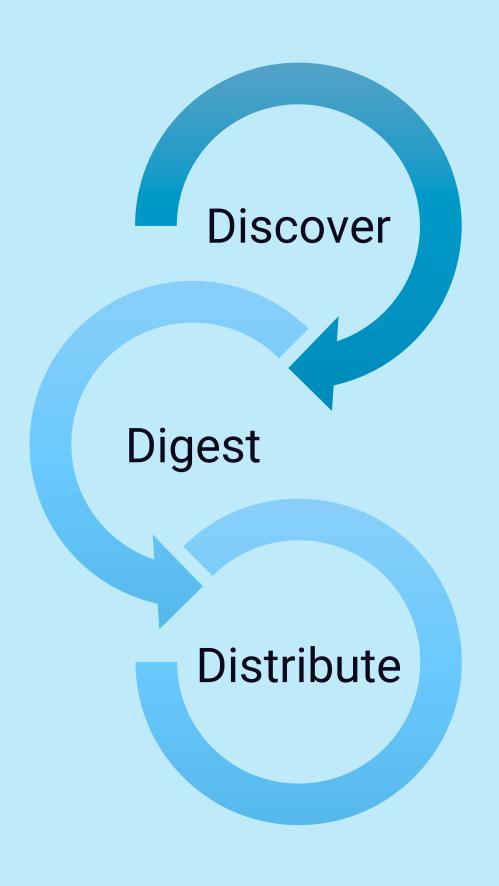
"Scalable learning is the new reason for large organizations to exist"

> John Hagel Founder Deloitte Center for the Edge Innovation





Learning Embedded Everywhere





Discover

Discover new knowledge through study, experimentation and practice.



Digest

Assess the validity of knowledge and ensure it has a positive impact.



Distribute

Rapidly disseminate new knowledge to the entire organization.



ask yourself

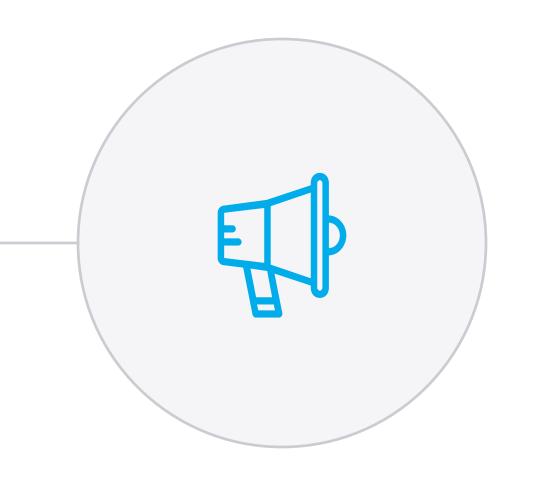
Are your learning systems going to get you there?







isn't it because...



Small moves, smartly made

"In an exponential world, small moves, smartly made can set big changes in motion" – John Hagel

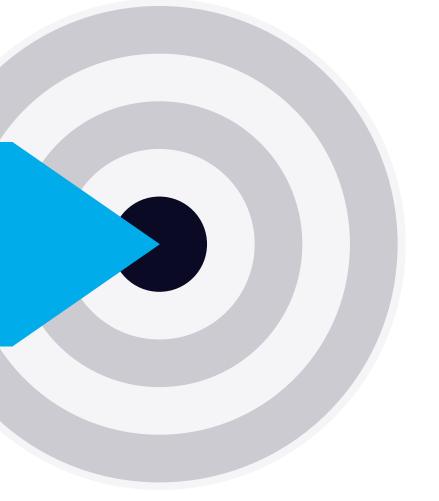








What is the smartest move organizations can make right now to lay a foundation and set themselves on a path to becoming a scalable learning organization?









"Without data you're just another person with an opinion"

W Edward Deming
Management Systems Legend

xAPI is to learning technologies what USB is to electronic devices

USB

USB is a technical specification that makes it easier and cheaper to connect electronic devices.

With USB, you normally need a computer to connect devices to.



xAPI

xAPI is a technical specification that makes it easier and cheaper to connect learning technologies.

With xAPI you need a Learning Record Store (LRS).







key takeaways



xAPI is to learning technologies what USB is to electronic devices.



xAPI enables you to build a blended learning ecosystem using best-of-breed products.



xAPI can even be useful when working with products that have not implemented xAPI.





marketing learning







xAPI & learning analytics platform

xAPI and the LRS present a transformative technology for learning analytics. Seamlessly bring all your data together in one platform and perform real-time analytics tailor made for L&D.

Include data about behaviors and performance in your learning analytics

business impact



Learning is so much bigger than the LMS. Track informal and experiential activities.

real time

Create, view and distribute reports seamlessly in real-time.

T:





Understanding learning analytics: Complexity



The simple act of tracking things and recording values. Can be passively or actively collected.

The process of trying to make meaning from the data measured. Descriptive analytics. Does the data mean something "good" or "bad"?

When data sets get large enough we can use advanced evaluation techniques to discover powerful insights. Data mining, Al, machine learning, etc.

Make predictions and decisions based on data and advanced algorithms. Recommendation engines are the best example of this in learning.





Understanding learning analytics: Categories



Understand more about a specific learning activity.

Maximize effectiveness and spot problems.



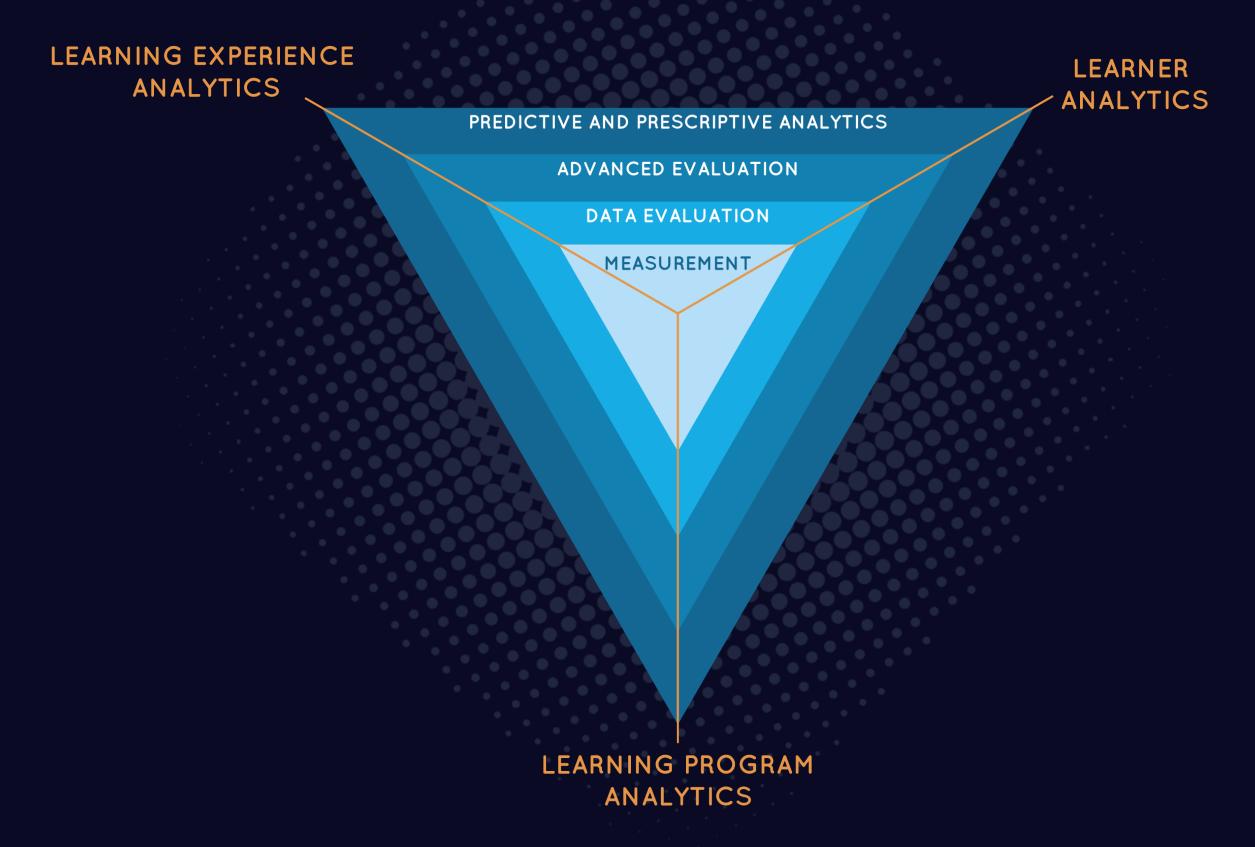
Understand a learner or group of learners. Ensure organizational readiness and compliance.



Understand an overall learning program. Is this initiative helping to meet business objectives?



Learning Analytics





Getting Started yes you can!

Gather your data

Just start collecting data in a common format in a central location. Make it low friction and ensure you have access.

Get to know your data

Understand what you have. What is out there, what is reliable and what is missing there, what is reliable and what is missing? Do some simple evaluations and create baselines.

Operationalize your data

Automate your way out of "Excel hell". Define some interesting metrics and KPIs, start monitoring them routinely. What trends do you notice?

Explore your data

Starting to understand not just "what" is happening but "why". Form questions and see if your data can answer them. Often the best answer another question. Can you see impacts on the larger business?

Experiment with your data

Start a new learning program with analytics in mind. Set up well controlled experiments and A/B tests to validate a hypothesis. Create a culture of continuous improvement.

Show off your data

We've long known that learning is vital, not we can probe it. Go forth and show the world!





Five xAPI case studies presented by real pracitioners











Visit xAPIxAPRIL.com to register & view

Current state of real learning systems

