

# How is xAPI being used?



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# What is xAPI?

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A **specification** which  
defines a **common**  
**language of**  
**communication**  
between **two learning**  
**technologies.**

# A Modern SCORM



Goodbye to pop-ups and frames

The internet as we know it

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# Everything is Learning

Mobile

Educational Games

Social learning

Book scanner



Performance  
Support

Offline Access

Real World Activities

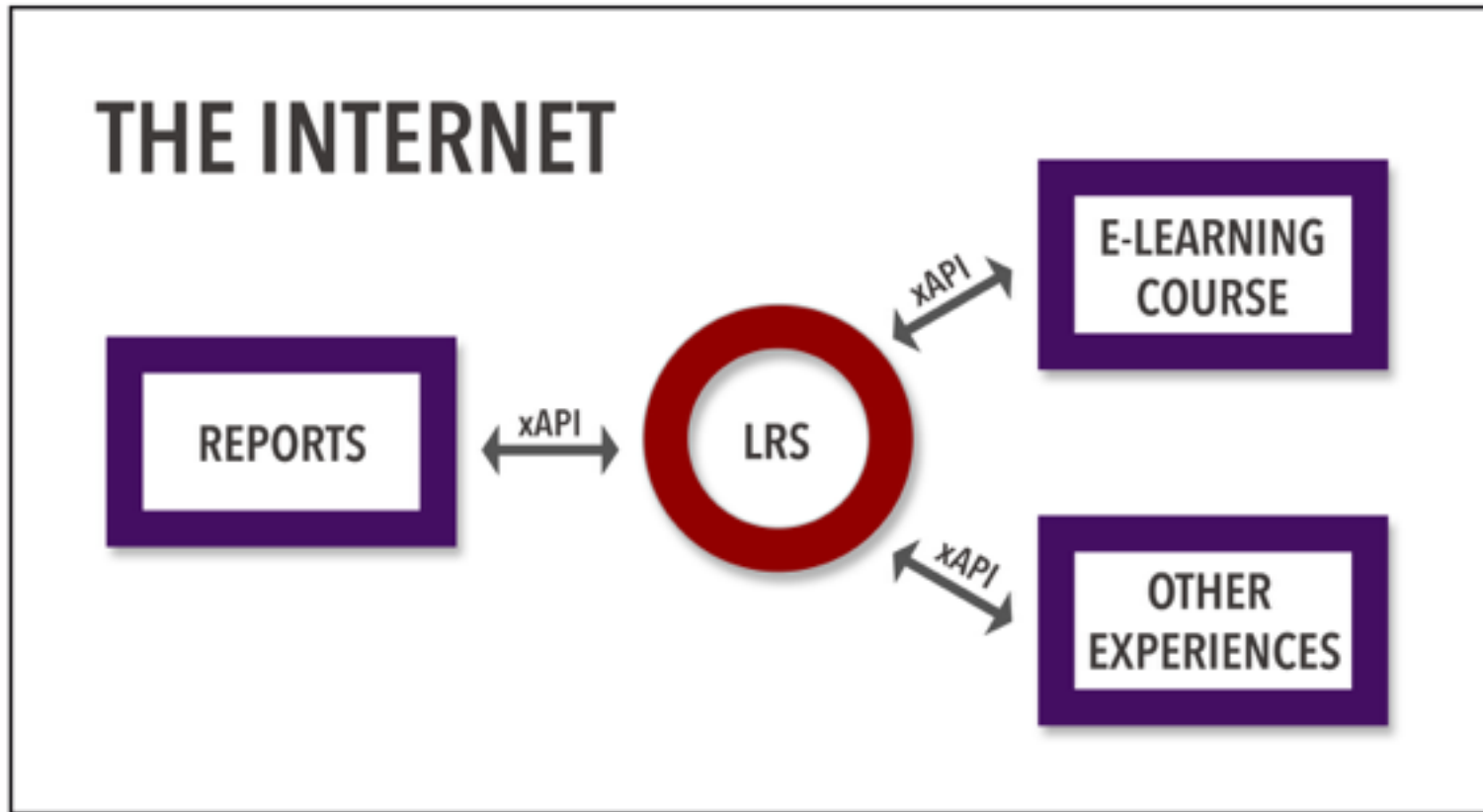
Simulations

Bookmarklet

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# Free the Data



Learning records can move in any direction

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# Analytics

## Leaderboard

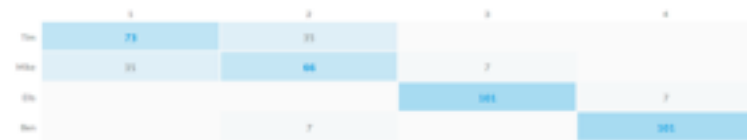


## Questions

Order players by their pong ladder position:

66 people correctly sequenced **Tin, Mike, Ehs, Ben**.

[All Attempts](#) [Best Attempt](#) [First Attempt](#) [Last Attempt](#)



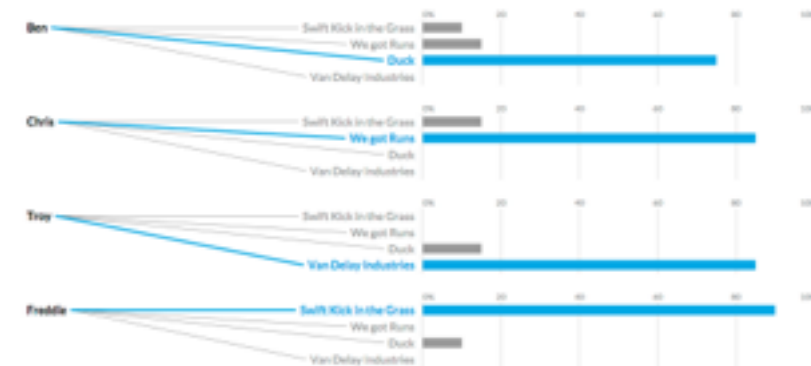
This question is poor at predicting who will do well on this test.

1 minute to answer

Match these people to their kickball team:

76 people matched correctly.

[All Attempts](#) [Best Attempt](#) [First Attempt](#) [Last Attempt](#)



This question is good at predicting who will do well on this test.

This is an easy question.

51 seconds to answer

Which of these prototypes are available at the beta site?

55 people correctly chose **Golf Example** and **Tetris Example**.

[All Attempts](#) [Best Attempt](#) [First Attempt](#) [Last Attempt](#)



This question is poor at predicting who will do well on this test.



# How is it being used?

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# Adopters

<http://tincanapi.com/adopters>

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# Healthcare in the UK

## NHS

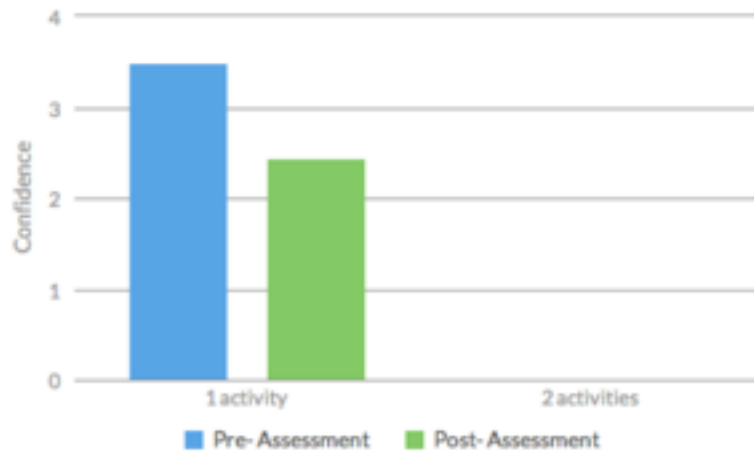
- Wessex NHS trust were one of the first organisations to adopt.
- xAPI used to track use of different type of educational resources by dementia nurses
- This is compared to patient outcomes to identify the most effective resources.

Watershed  LRS

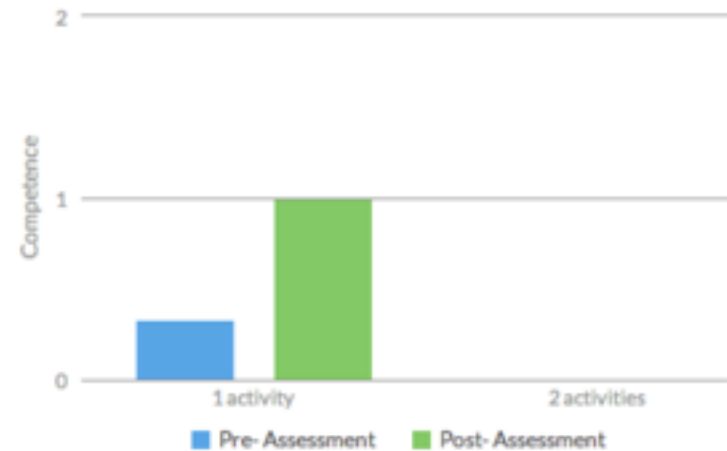
# NHS example report

Does participating in more activities make people more confident and competent?

Confidence - Number of activities



Competence - Number of activities



# Behavioural Healthcare

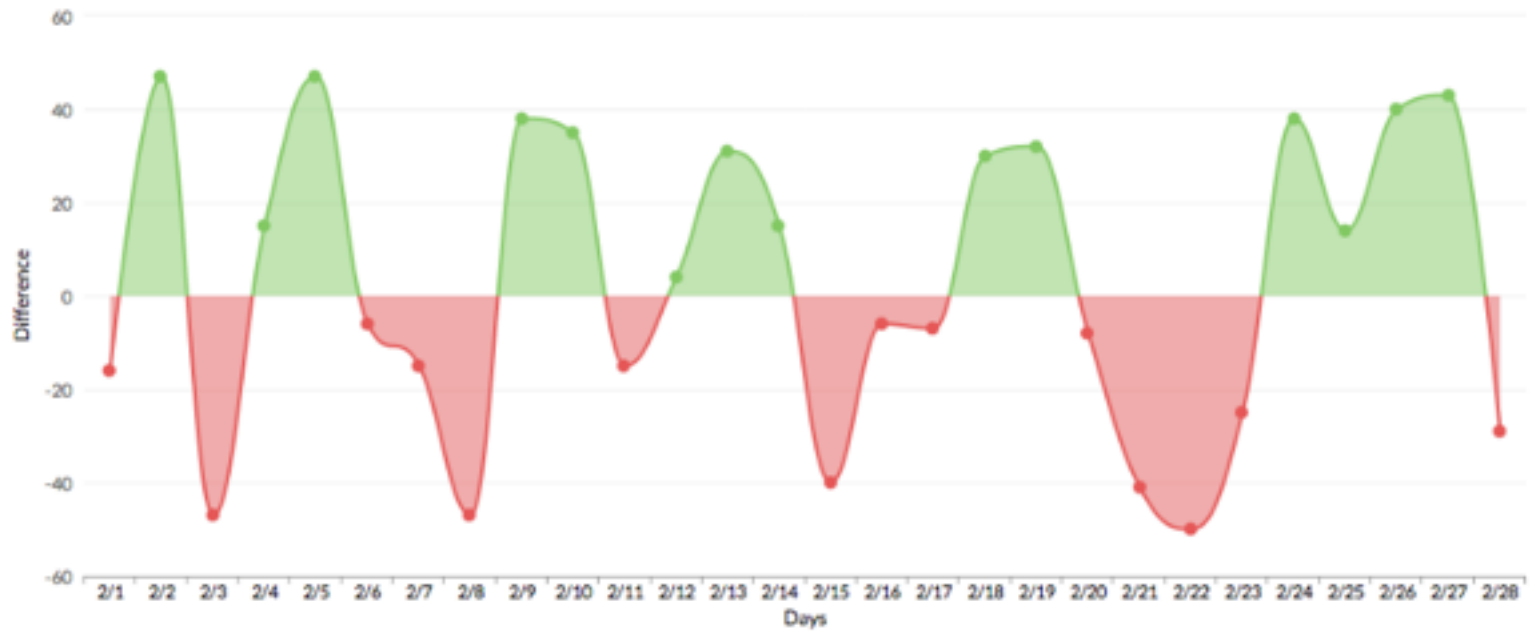
**Devereux**

*“Does intentionally observing our staff intentionally cause them to perform better? Does the presence of an observer affect our patients?”*

Watershed  LRS

- Data from a performance monitoring checklist application correlated with risk-reporting and clinical documentation.

Does a clinic that conducts performance monitoring have a lower aggregate risk profile score than a clinic that doesn't?



Verified



Falsified



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# US Army

## Military

- Tracking bullets hitting targets in a shooting range
- Immediate feedback to soldiers via a mobile app
- Analysis of data by supervisors to support soldiers' future development
- Improvements to shooting range based on aggregate data

# Retail

## Pandora

*“Which social interactions and training activities relate to higher sales in a particular product line?”*

- Training data compared to sales of individual products.

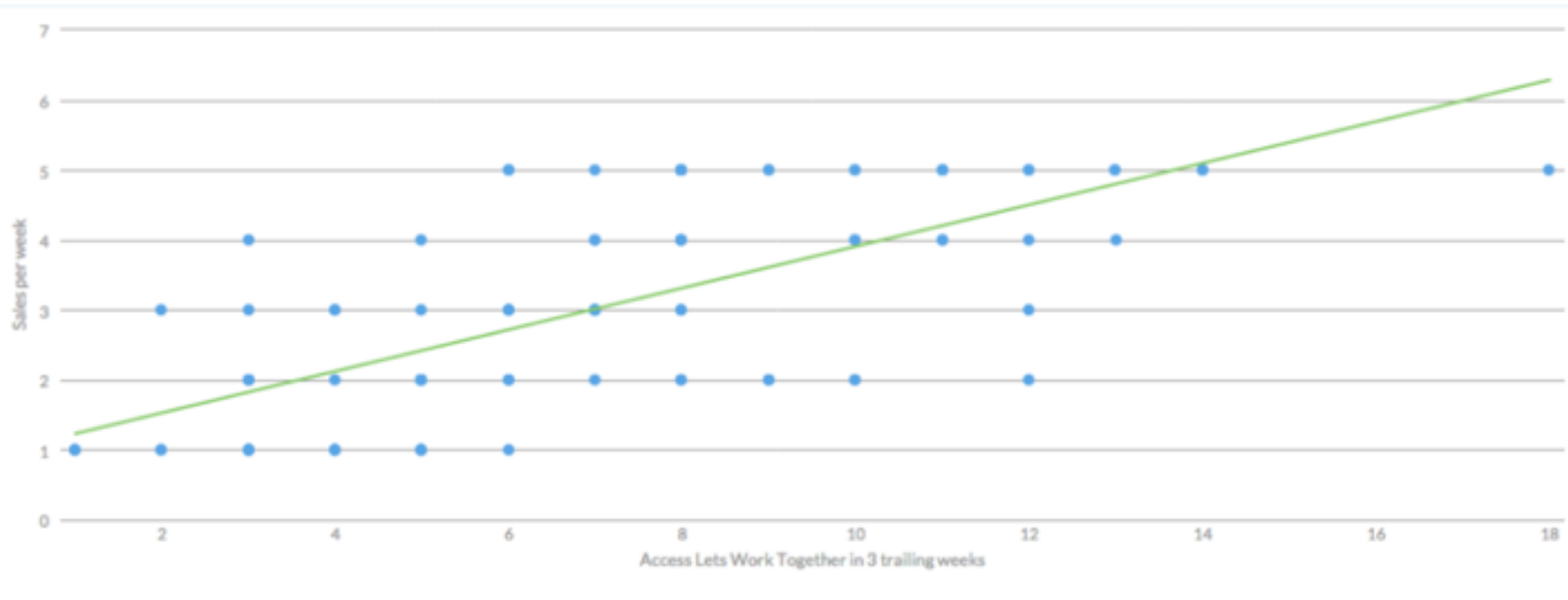
Watershed LRS



# Activity @Pandora

Activity

🚩 Pandora



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# Higher Education

**Hunter  
TAFE**

*“Which students are at risk of failure? Can we intervene?”*

- What ‘events’ cause a student to be more likely to drop out?
- Statistical model to calculate likelihood of drop out after multiple events.
- Uses an online meeting extension that tracks engagement in classes.

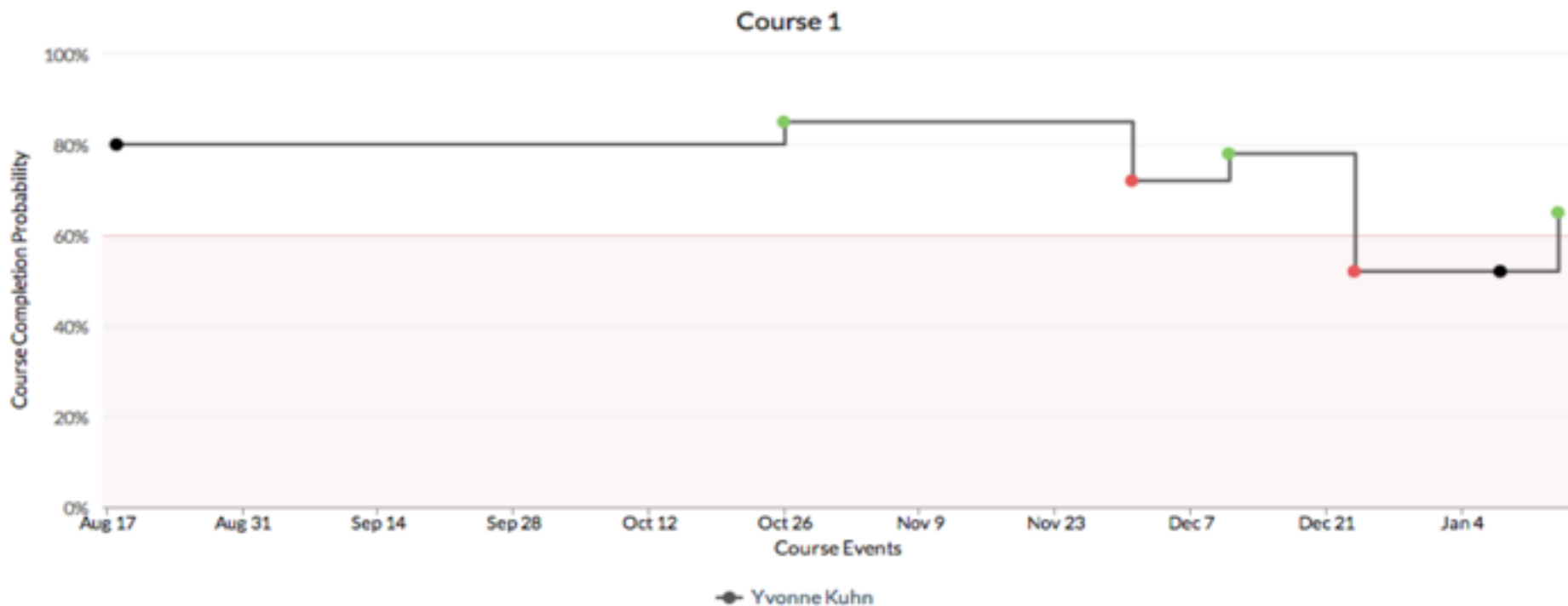
Watershed  LRS

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# As a student takes part in this course, how do course events affect the probability of the student completing it?

If an event causes the probability to fall below 60%, an intervention should take place with the student.



# School / Museum

## Ann Arbor Hands on Museum

Teachers taking students to museums have no way of tracking what each student is learning or interacting with.

- Students wore identified RFID lanyards
- Museum exhibitions detected the presence of each student
- Student interactions were tracked.

# Contact me for more use cases



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# Discussion

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What do you know  
about xAPI already?

Is anybody already  
using it?

**Note:** people already using xAPI are not  
allowed to answer the first question.

From the examples  
shared - could you apply  
that in your org?

What problems and  
benefits do you foresee?



How might the examples shared in  
this presentation be translated to  
your org?

What are the problems or benefits?

What are you already  
doing in your  
organisation to collect  
and analyse learning  
and performance data?

What challenges do you have accessing, sharing, reporting on and using learning and performance data?

Do you share data  
between organisations?  
Should you?  
What challenges does  
this bring?

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