

Philadelphia, PA | October 31 — November 2



A Roadmap from eLearning to Performance Support

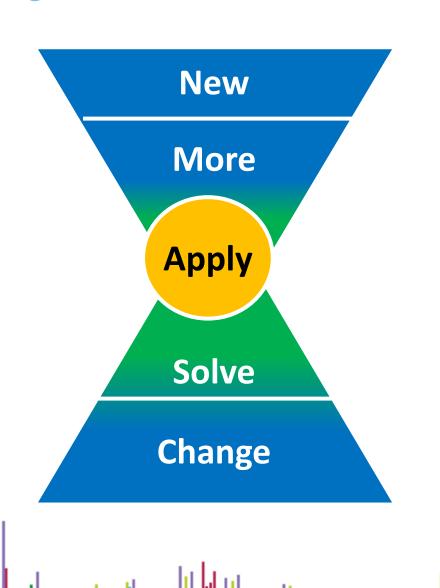
Rob Houck

Head of Technology Innovation





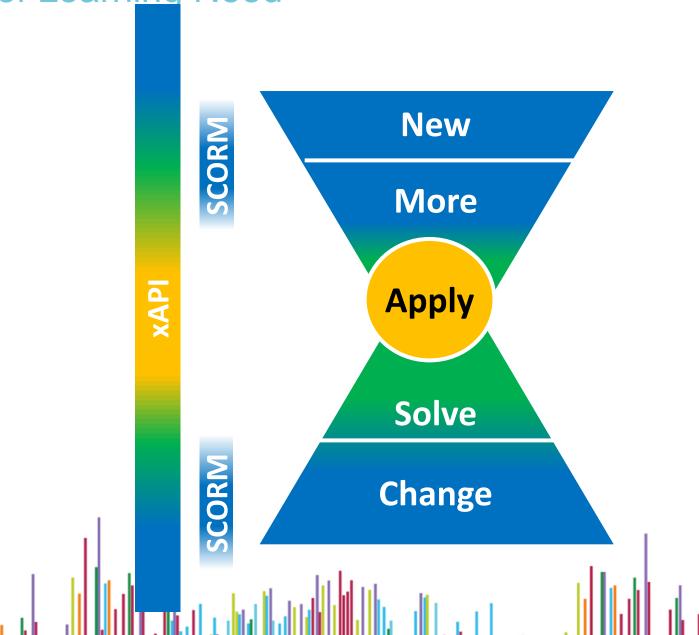
## 5 Moments of Learning Need



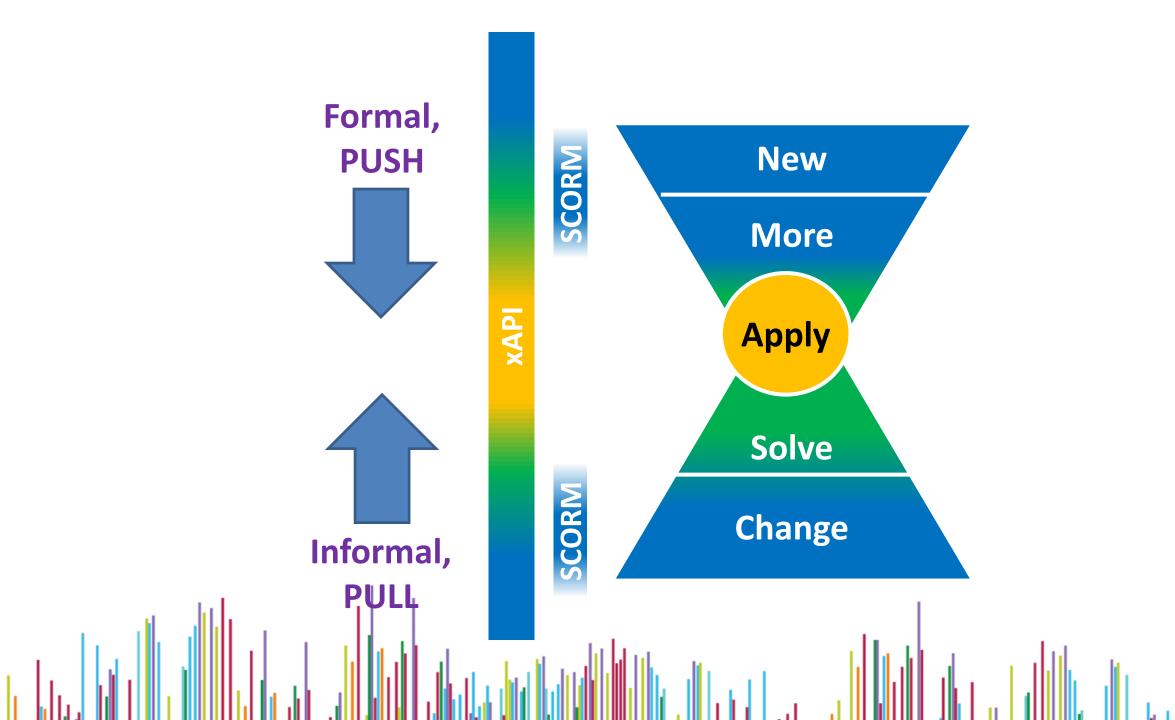
5 Moments of Learning Need: Gottfredson & Mosher



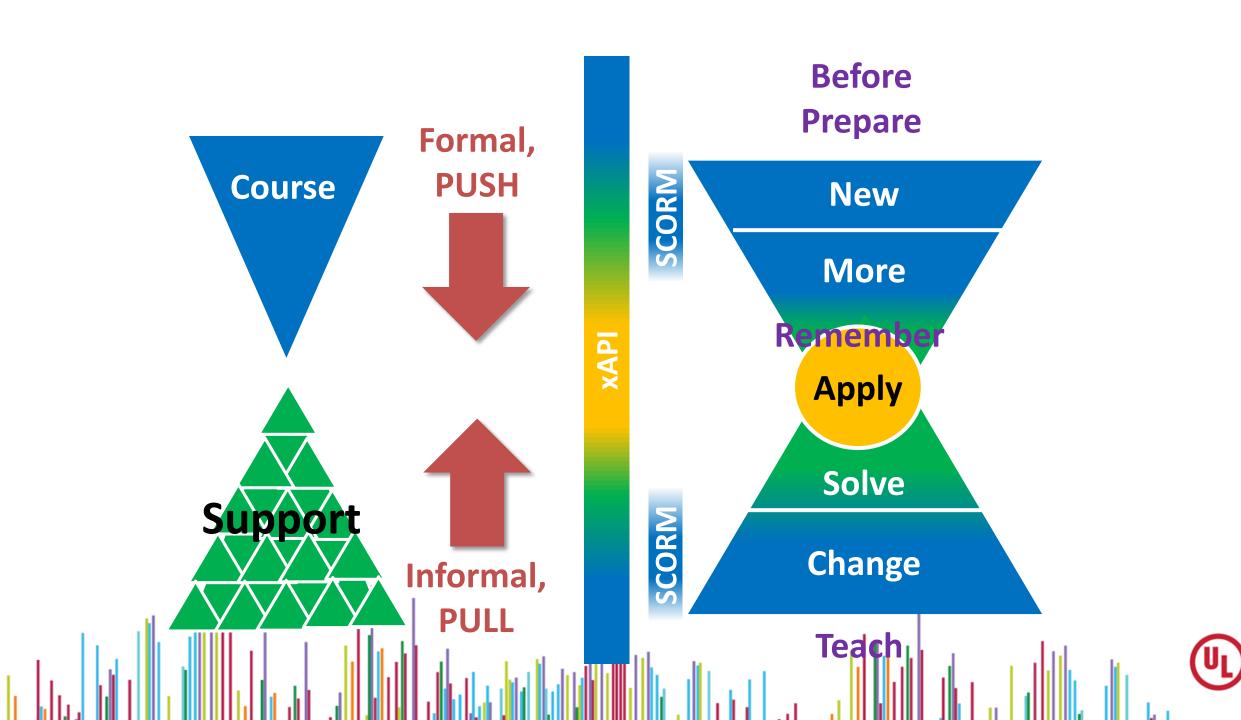
## 5 Moments of Learning Need

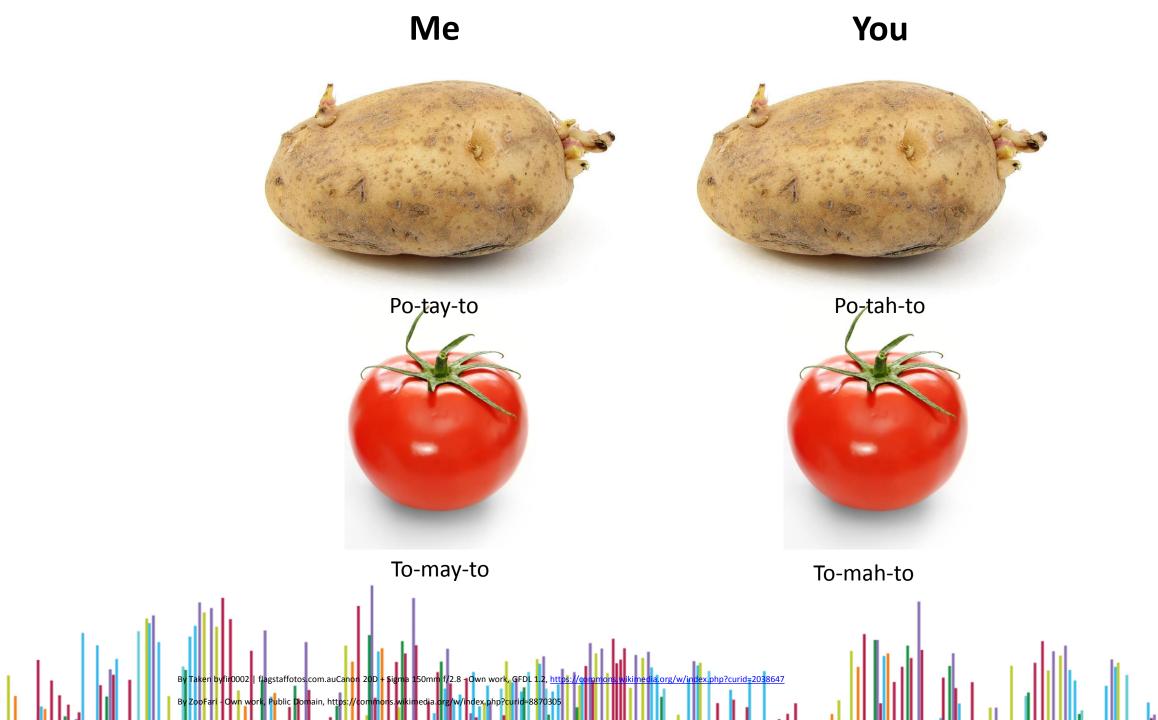






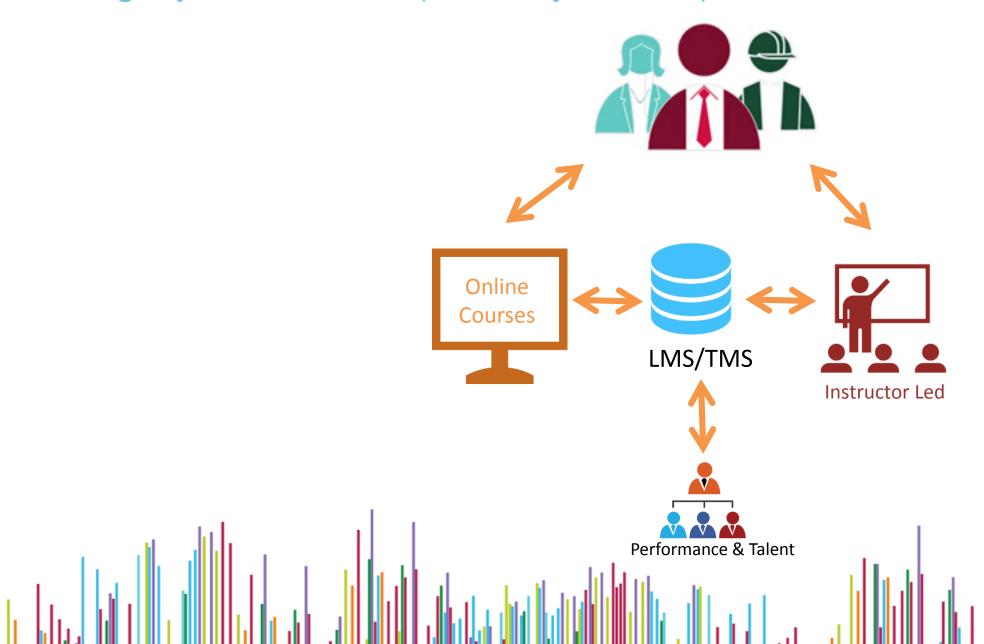








## Legacy Model: LMS (and maybe TMS)





# The Approach: Carpet Bomb



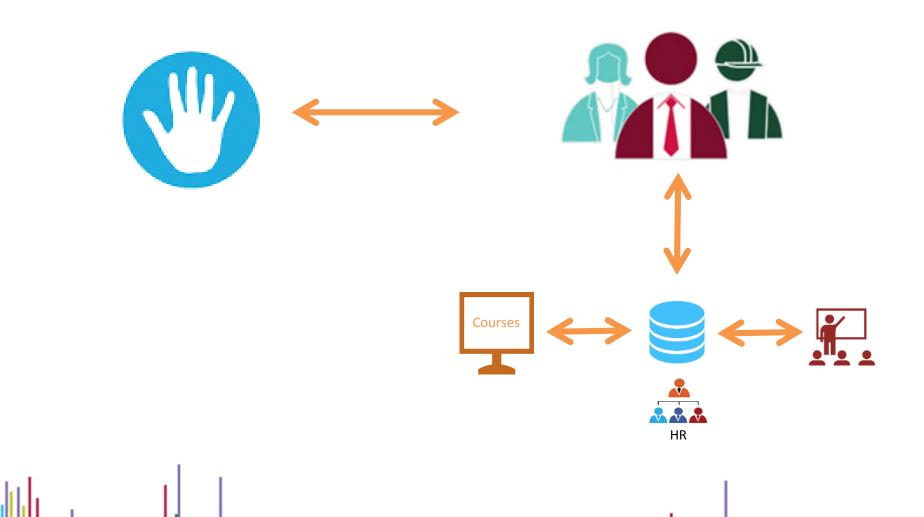
"We're going to train you if you need it or not!"

(yes, this is an actual quote)





#### But what about what learners do in the real world?





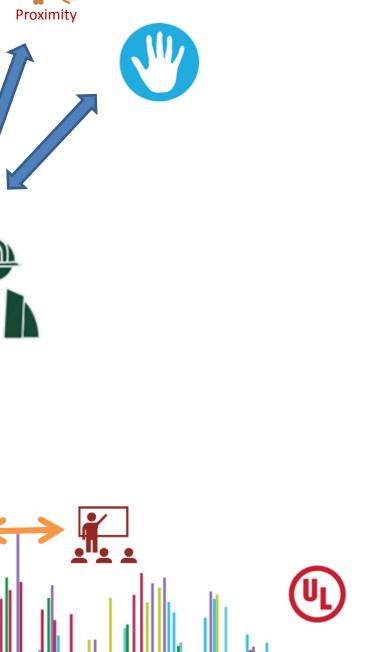
What if..?

knew who you were?
taken training?
actually performing?

It'd be a lot smarter.



Proximity Location Live OTJ Biz Data 70% New Model: powered by xAPI 20% 10%



## All that real world data... makes the learning world smarter

Unlike prior standards like SCORM, xAPI does not "limit" what can be queried inside a course:

- It can read **prior completion information** (scores, times, interactions, etc.) from the current course
- It can read data about other xAPI enabled courses.
- It can read data from other xAPI enabled data sources.



## Smarter 101: Using training history from this course or tool.

- Make it challenging If someone has taken this path many times, branch to an advanced path.
- Show current information I took the course last year, so fast-path me to the latest, greatest updates. (or give me a "test out")
- Leverage prior results You did well on this last time, so let's not bother you again for the next 30 days.





## Smarter 201: Using training history from other interventions

- Adapt based on related course scores I passed the intro course with flying colors, my performance support path adjusts accordingly.
- Look at topical data I saw the section on accounts payable transactions in another course within the last 60 days. I probably don't need that info again.



## Smarter 301: Using employee demographic information

Work Location – I work in California, and there's more I need to know.

**Job Role** – I'm in a clinical role, so my HIPAA needs are more focused on that persona. (Or, I'm in claims; what does HIPAA mean for me?)

**Work Center – I** work on specific machines. Help me focus on the safe handling of those tools as a priority.

**Work Streams** – Help me focus on processes that are more critical to my daily operations.





## Smarter 401: Using data from other sources.

- Adapt Branch based on last year's performance rating or current competency assessment data
- **Recommend** My sales volume is 30% below my goal. Show me how to remediate that.
- Micro-learning Surface materials for me that that can be quickly consumed, or reused as reference and reminders later on.







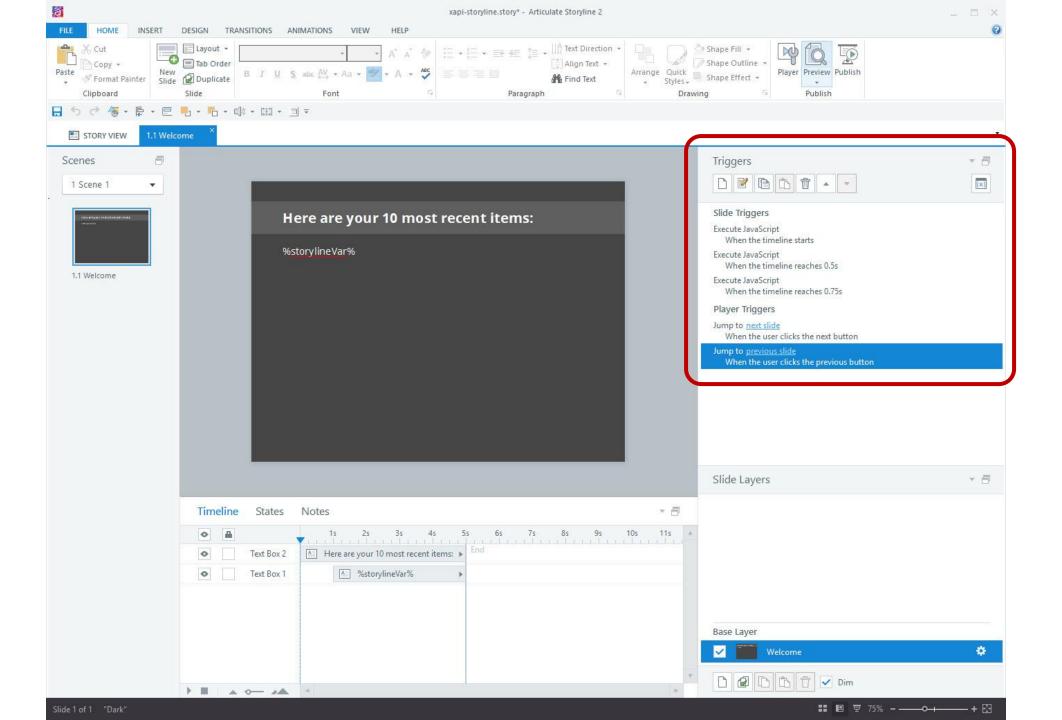
I get it.. But how?



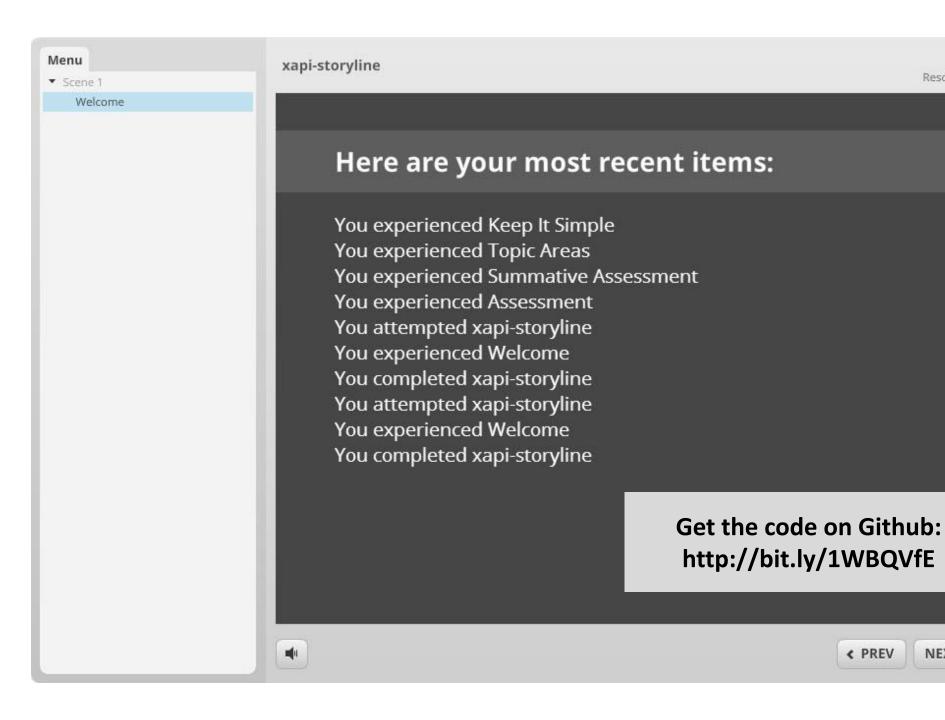
Smarter 101: Drive the learner's path based on data in the LRS.







```
1 + function ExecuteScript(strId) {
switch (strId) {
     case "5ekmyskezcy":
       Script1();
     case "61HLEwecsfH":
      Script2();
     case "5WPh4snJffe":
      Script3();
       break;
17 | function Script1() {
     var s = document.createElement("script");
     s.type = "text/javascript";
     s.src = "tincan.js";
     document.body.appendChild(s);
26 v function Script2() {
27 window.tincan = new TinCan({
     "url": window.location.href
                                                                                        Get the code on Github:
34 v function Script3() {
                                                                                         http://bit.ly/1WBQVfE
   var player = GetPlayer();
37 + tincan.getStatements({
       sendActor: true,
       sendActivity: false,
       params: {
        registration: null,
         limit: 10
       callback: function (err, result) {
        if (err !== null) {
           console.log('error:', err);
         var stmts = result.statements;
         var storylineVar = [];
         stmts.forEach(function (e) {
          var thisActor = "You";
          var thisVerb = e.verb.display.und || e.verb.display["en-us"] || e.verb.display["en-US"];
          var thisObject = e.target.definition.name.und || e.target.definition.name["en-US"];
          var thisLine = thisActor + " " + thisVerb + " " + thisObject;
           storylineVar.push(thisLine);
         storylineVar.reverse();
         storylineVar = storylineVar.join("<br>");
         player.SetVar("storylineVar", storylineVar);
```



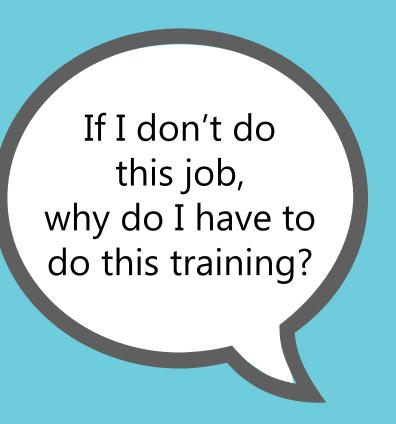
Resources

NEXT >

## Some non-course learning tools that are xAPI

- Survey Gizmo
- Learning Orchestra
- Train by Cell
- Moxtra
- Trek
- TES
- River





# Smarter 301 Serve up courses based on role, performance and need





## Business goal:

## Managers build teams that perform well and stay with the company.

#### The LMS/LRS knows:

- If you're a new hire, so 8 hours of on-boarding are saved if you're not!
- Your job role (executive, director, individual contributor, etc.)
- Your department
- Your competency assessment scores
- Your performance review scores





## Persona: New Manager

- I'm new to the company,
- I'm new to my role
- I work in sales,
- I have no history of assessment or performance appraisal

28 hours of training. The whole thing.

"Newbie" level supports are useful.





#### Soft Skills





eleventure























#### Compliance













#### Onboarding

















#### Persona: New to Role

- I'm not new to the company,
- I'm new to my role as supervisor
- I do not work in sales,
- I have history of assessment or performance appraisal

16 hours of training.

Experienced level supports are available.





#### Soft Skills





eleventure























#### Compliance













#### Onboarding

















#### Persona: New Exec

- I'm not new to the company,
- I'm taking on a director position
- I do not work in sales,
- I have history of assessment or performance appraisal

10 hours of training.

High level supports are served first.





#### Soft Skills





eleventure























#### Compliance













#### Onboarding



















Serve up training & support tools based on business data



### MMTorrance, you're a Twitter rockstar!

**1230** Followers

702 Following

**1920** Tweets sent

**7** Years you've been on Twitter

With rockin' stats like these, you've been waived from the following training topics:

**101** Twitter for Dummies

**201** You can do Twitter!

You've been enrolled in:

**301** Twenty Tips for Timely Tweets

**Recommendation:** You could put your social media skills to good use by mentoring others.

## Where's your data?

- Internal systems
  - Check with IT
  - Download, format, upload
- External systems
  - Will they use xAPI?
  - If not, download, format, upload
- Learning ecosystem vendors
  - Fight the good fight!



## You can do this today...

- Use our "anything to xAPI" import
- Can import a text file (CSV) into xAPI transactions for your LRS/LMS.
- Very useful for
  - Importing data from reports, or Excel spreadsheets
  - Leveraging existing "feeds" to push data to the LRS/LMS for use in courses



## Questions

