

# ENABLING CONNECTED LEARNING IN "THE WILD"

## Want to try it out?

- Tweet to: #clatoolkit
- Post to FB group: CLATest

<https://www.facebook.com/groups/426673867491689/>



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@KirstyKitto

# THIS PROJECT IS SUPPORTED BY THE AUSTRALIAN OFFICE FOR LEARNING AND TEACHING

- QUT Lead: Kirsty Kitto, Mandy Lupton, John Banks, Dann Mallet, Peter Bruza
- UniSA: Shane Dawson, Dragan Gasevic (Uni of Edinburgh)
- UTS: Simon Buckingham Shum
- Uni of Sydney: Abelardo Pardo
- Uni Texas (Arlington): George Siemens



SO WHY "IN THE WILD?"

Add Module

Personalise Page

**Tools**

QUT Blackboard Mobile

My Grades

**Quicklinks**

QUT Virtual  
Library  
IT Helpdesk  
Email  
InPlace  
QUT Media Warehouse

**My Announcements***No Institution Announcements have been posted in the last 7 days.*

## Environmental Resource Management

- > Groundwater prac = a) INDIVIDUAL write up b) missing data!
- > Group check in sessions tomorrow

## IT Capstone Project

- > NB302 Week 6 - Week 8 workshops
- > INB302 Week 5 reminder

more announcements... →

**My Units**

☰ 2015

**SEM-1** (23 February 2015 - 23 June 2015)**ENB383\_15se1: Environmental Resource Management**

[Lecturer]

**INB302\_15se1: IT Capstone Project** [Lecturer]**SEB104\_15se1: Grand Challenges in Science** [Coordinator]

⊕ 2014

⊕ 2013

**QUT Blackboard Announcements****Check out the staff technology dashboard in the Intranet demo site**

A [staff technologies dashboard](#) has been developed as a central portal for you to access all of QUT's teaching and learning tools. It creates a common area for these tools and will provide information about emerging technologies. Take a look around the dashboard in the Intranet demo site. We'd love to hear what you think. To share your feedback or suggestions



- email [ryan.hendy@qut.edu.au](mailto:ryan.hendy@qut.edu.au) (Ryan Hendy, Project Manager)
- join in the discussion and vote on [Sharing Ideas](#)
- use the pink Feedback button on the dashboard page.

**Pulse survey**

The Pulse survey for Semester 1 is currently open. Students and teaching teams can access the survey through the link within their personal email invitation. Find out how your unit went this semester by encouraging your students and members of the teaching team to provide their feedback. The survey closes at midnight on Tuesday, 31 March, 2015.

Find out more: <https://www.intranet.qut.edu.au/teaching/review-evaluate/your-personal-evaluation-tools/pulse-survey>

**My Communities****Communities where you are: Participant**[Blackboard Site Design Guide](#)[IT Security Awareness](#)[ST01 Development](#)[Science & Engineering, HDR Student Information](#)**Communities where you are: Lecturer**[ST01 Bachelor of Science](#)

# A PROBLEM

Tweet to her @LuptonMandy  
(remember to include #clatoolkit)





# WE HAVE A COHORT OF TEACHERS WHO..

- don't use LMSs much...
- are tech savvy, but not coders
- innovators & adopters (e.g. jumped on social media early)
- interested in & often want to use Learning Analytics (target market for LA?).. but its all offered in the LMS!
- are often advocates for connected learning, connectivist pedagogy & social learning

<https://teachinginthewild.wordpress.com/>




# How can we support people teaching beyond the LMS?

## Using:

- Google+
- Facebook
- Twitter
- Wikis
- StackExchange
- Blogs
- GitHub
- ...

**Kirsty Kitto**  
Examples - 17 Oct 2014

Ooo - DALMOOC intro video went live while we were otherwise engaged...



+1

14 comments

**Kirsty Kitto**  
21 Oct 2014 +7  
+Susan Savage and it has rocks! I like rocks :)

Add a comment...


**Mandy Lupton**  
Discussion - 17 Oct 2014

The K-12 connected learning classroom

Avoiding Obsolescence:  
13 Standards For A Near-Future School

Publishing Is Seamless	Students Learn To Learn	Freedom From Anonymity	Students Are Connected
All Tests Are Responsive	New Definitions Of School Quality	Portfolios Are Alive	Search Is Dead
Choice Breeds Further Innovation	AI Supports Students	Standards Equity For Schools	The Physical & Digital Are Blended
All Humanism Teachers			

The following can be seen as a kind of set of minimum standards for the school of 2024. They can adaptively serve as a kind of minimum for public schools and districts, and the level of bar for what a school might have to adjust to will become obvious.



Cognitive computing  
Artificial intelligence  
meets business  
intelligence

IBM Research

+2

2 comments


**David Dennis**  
7 Nov 2014 +7

Digging around I kinda want a personalised cognitive computing system. One that I could task about curating things on topics I am interested in, summarising the data for

Add a comment...

**Kate Davis**  
Of interest - 28 Oct 2014

There are some good tips here for improving retention for online learning, all strategies we've been using to varying extents in different units. I'd suggest though that 'blended' in tip nine doesn't have to be a blend of F2F and online. A blend of synchronous and asynchronous can be just as effective. The time





can we knit together a solution?  
one that pulls together whatever we need...





# EXPERIENCE API

- flexible data standard
- stores JSON statements of <actor><verb><object> form (e.g. Kirsty presented talk) in a Learning Record Store

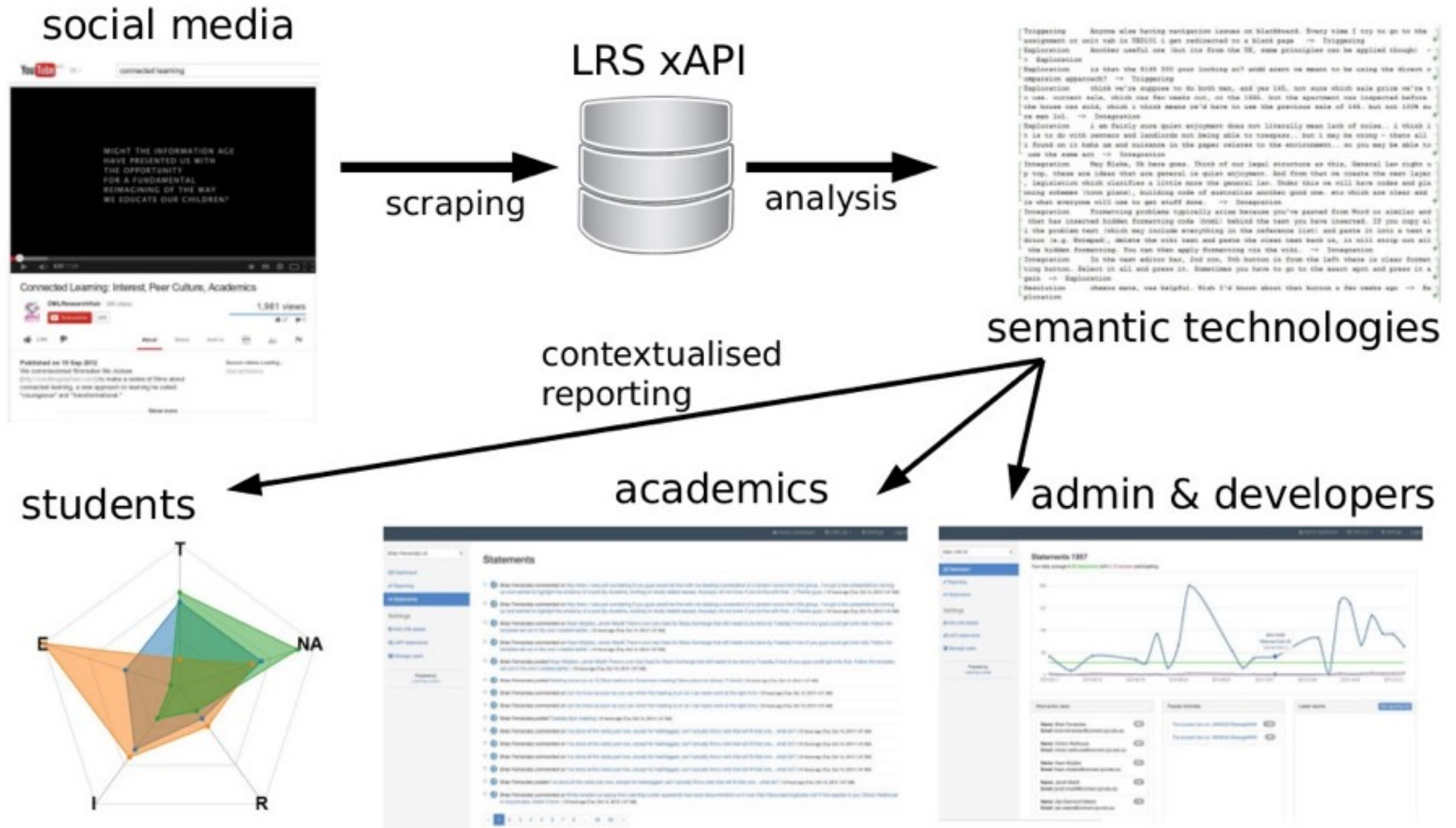


A RESEARCH PROGRAM:

# THE CONNECTED LEARNING ANALYTICS TOOLKIT



# SCHEMA



```
Triggering  Anyone else having navigation issues on blackboard. Every time I try to go to the
assignment or unit tab in BB100 I get redirected to a blank page. => Triggering
Explanation  Another useful one that can be used from the UK, some principles can be applied though. =>
Explanation  Is that the $100 000 price looking at? and what we mean to be using the direct &
Explanation  operation approach? => Triggering
Explanation  think we're supposed to do both now, and you say, not sure which side price we're t
=> use, current sale, which you say we're on, or the 1000, but the apartment was compared before
the house was sold, which I think means we'd have to use the previous sale of 100. but you say we
we use 100. => Denotation
Explanation  I am fairly sure quiet enjoyment does not literally mean lack of noise. I think i
is to do with peace and landlords not being able to trespass. but I may be wrong - there are
I found on it both an end sentence in the paper relates to the environment. as you may be able to
use the same act. => Denotation
Integration  Hey Riata, its been gone. Think of our legal structure as this, General law sits a
p top, these are ideas that are general in quiet enjoyment. And from that we create the next layer
legislation which clarifies a little more the general law. Under this we will have notes and giv
using evidence from cases, building code of materials another good one. etc which are clear and
is what everyone will use to get stuff done. => Denotation
Integration  Formatting problems typically arise because you've pasted from Word or similar and
that has inserted hidden formatting code (html) behind the text you have inserted. If you copy al
the problem text (which may include everything in the reference list) and paste it into a text a
area (e.g. Notepad), delete the text area and paste the clean text back in, it will strip out all
the hidden formatting. You can then apply formatting via the wiki. => Integration
Integration  In the text advice bar, the new, old button is from the left there is a clear form
ating button. Select it all and press it. Sometimes you have to go to the next spot and press it a
gain. => Integration
Resolution  always nice, very helpful. With 1/4 hours about that house a few weeks ago. => Re
gulation
```



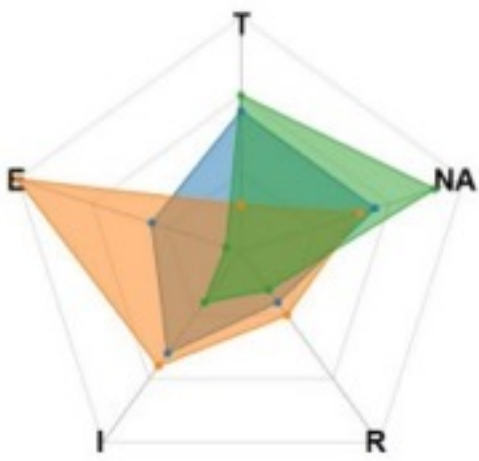
semantic technologies

contextualised reporting

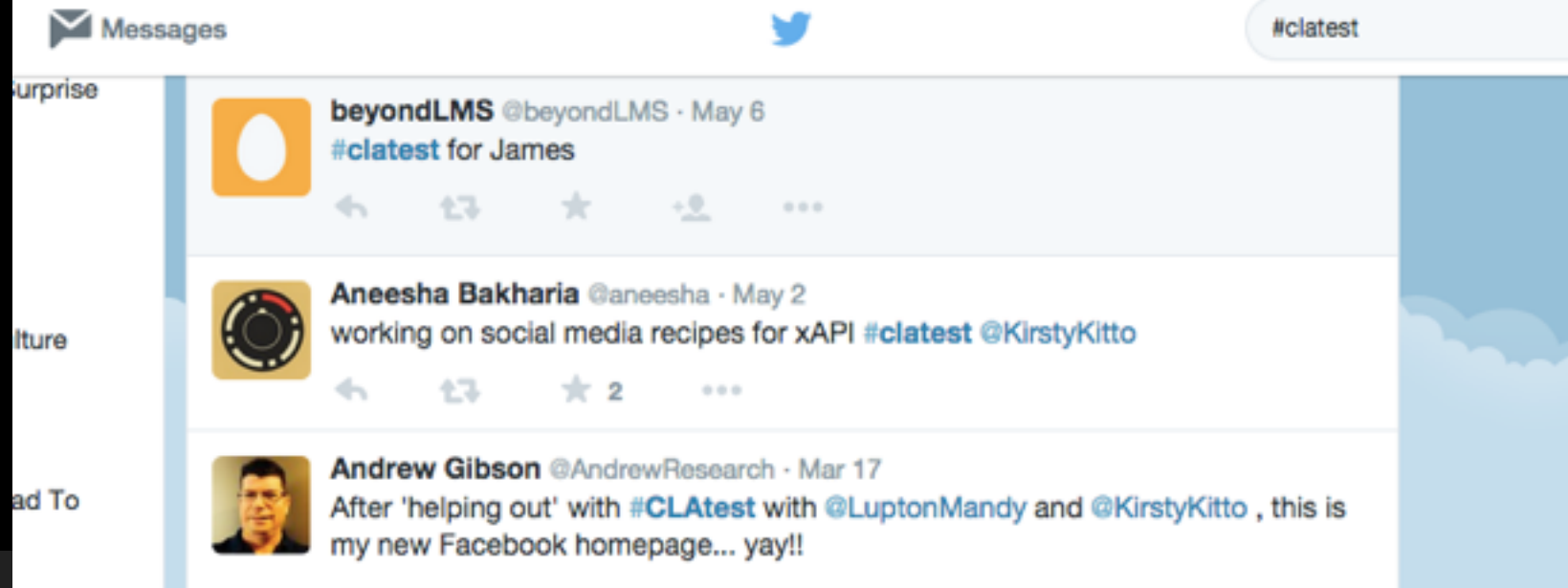
students

academics

admin & developers



# FOR EXAMPLE



CLAToolkit

## Register for Scraping

Link your social media with your QUT Connect account

Linking up your social media accounts are essential to understand of your learning.

For both Facebook and google+ they require authentication. This is why you will need to sign-in to each browser.

Twitter requires you to enter your username (@yourusername) and a hashtag to be associated with. You can add more than one hashtag but you must always enter your username.

## Twitter

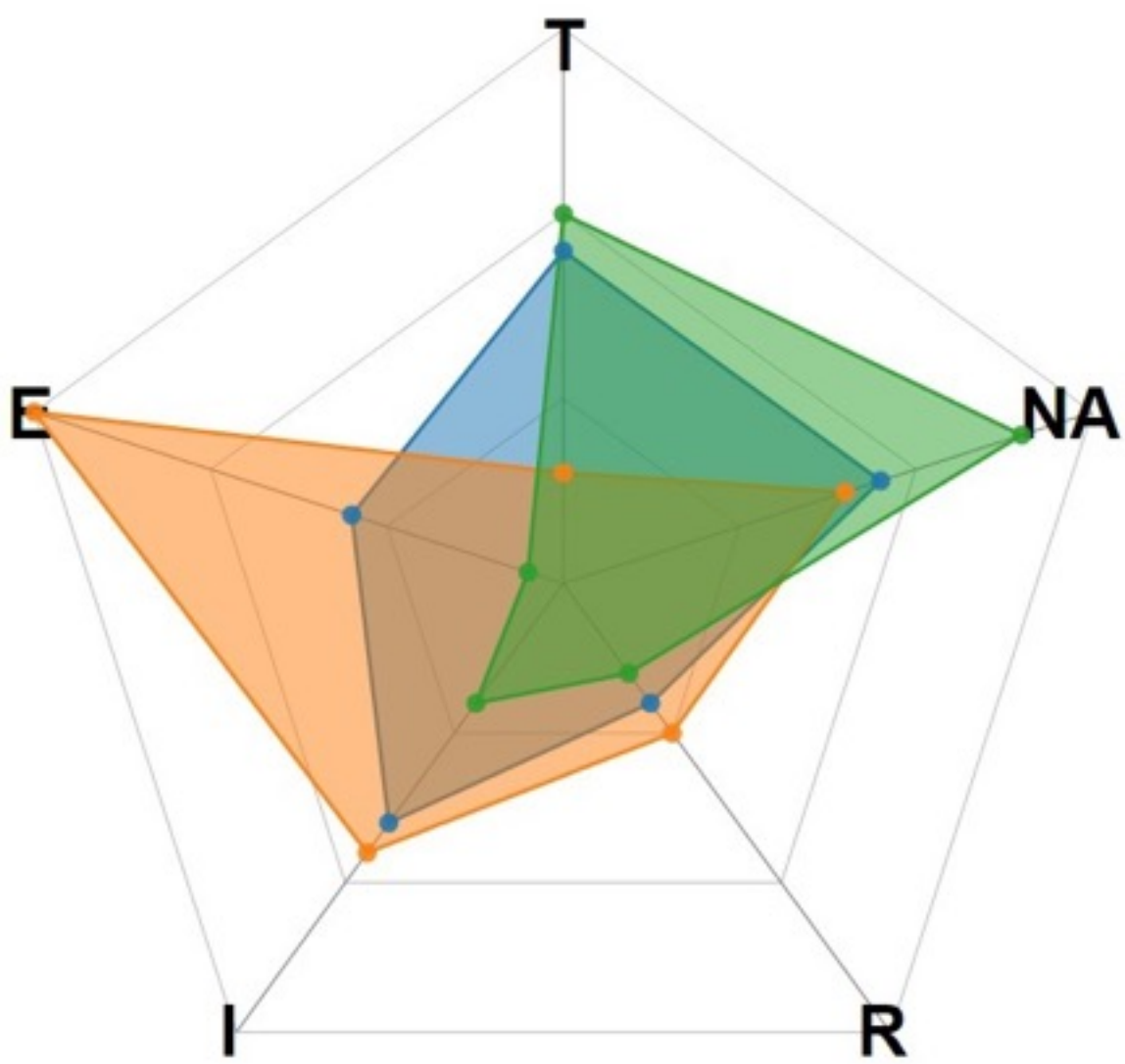
Enter your Twitter Username

Enter your Twitter User ID (Lookup [here](#))

Enter your Email

Enter Hashtag to Scrape

Register



ed.  
[View photo](#)

analytics toolkit at LAK15 of

```
int",
p://www.twitter.com/",
"
vitystrea.ms/schema/1.0/create",
id"
tter.com/aneesha/status/593190361255677952",
e",
having the worst luck with ordering electronic component
'activitystrea.ms/schema/1.0/note"
```

```
},
"context": {
  "platform": "Twitter",
  "contextActivities": {}
}
}
```



# NOTE - THERE ARE LOTS OF DIFFERENT MEDIA...



## Vimeo might say:

Tim Martin watched "How to make Grilled Cheese"

Tim Martin played the first 31 seconds of "How to Make Grilled Cheese"

Tim Martin paused "How to Make Grilled Cheese" at 31 seconds

Tim Martin exited "How to make Grilled Cheese"



## YouTube might say:

Tim Martin launched "How to Make Grilled Cheese"

Tim Martin watched from 0s to 31s of "How to Make Grilled Cheese"

Tim Martin paused "How to Make Grilled Cheese" at 31s

Tim Martin closed "How to Make Grilled Cheese"

# A CONTROLLED VOCABULARY

- Analysis across different platforms made easier with planning
- Recipes in preparation:
  - Microblogging
  - Content Creation
  - Collaborative Content Authoring
  - Content Curation
  - Association with Course, Team and Instructor

<https://github.com/kirstykitto/CLRecipe>

## Modeling Social Media Interaction as an xAPI statement

The CLRecipe project:

- maps terminology from various social media platforms to a common set of objects and verb
- provides an xAPI Recipe for building xAPI statement for modeling social media interactions that include the relationship between social media posts (i.e. reply, share and like) so that advanced analytics (including content analysis and social network analysis) can be performed
- provides xAPI recipe examples for Microblogging, Content Authoring, Content Collaboration and Content Curation

Though social media platforms use different terminology, a common model of interaction exists (see figure below). The model involves:

- A user can create a post. The post could be a short microblog post or a full article.
- A user can optionally including tag/s, hashtag/s or mention other users when creating the post.
- Other users can share a post (i.e. for their followers to view) and optionally including a comment.
- Other users can replying to the original post.
- Other users can rate the original post.



The Recipe for representing social media activity as xAPI statements prescribes that:

- A common set of verbs and objects must be used to represent activity across all social media platforms. Terminology used by specific platforms like Twitter and Facebook is mapped to a standard set of object and verbs (e.g. A 'Tweet' and Facebook Timeline post will both be mapped to the Note object; Twitter 'Favorite' and Facebook 'Like' will be represented by the 'like' verb)



# WHAT WOULD A COMPLEX USE CASE LOOK LIKE?

IT Capstone project:

- i. Project Management via Facebook
- ii. Code uploaded to Github
- iii. Documentation written in Google Drive

QUESTION: Who contributed to the team?

ANOTHER QUESTION:  
HOW COULD STUDENT REFLECTION ABOUT  
THEIR PARTICIPATION BE ENCOURAGED?