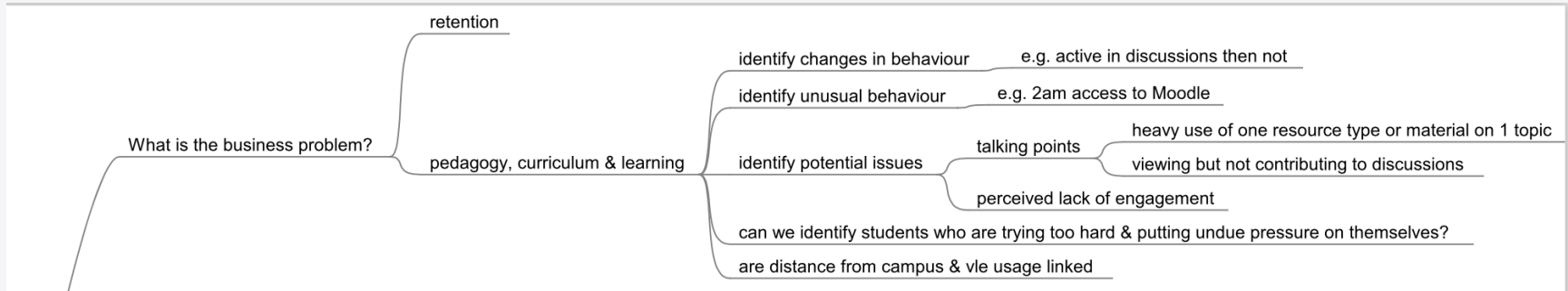


Exploring Learning Analytics

Samantha Ahern

Information Services Division, UCL

Starting point



- The data requested for preliminary investigation was:
 - Moodle database (2009-2016)
 - Library loans – books (2012-2016) and laptops (2014 – Easter 2017)
 - SITS: Student code, fee status, gender, postcode, Polar 3 course, modules & module outcomes (2009-2015)
- Additional:
 - Indices of multiple deprivation

Kicking the tyres



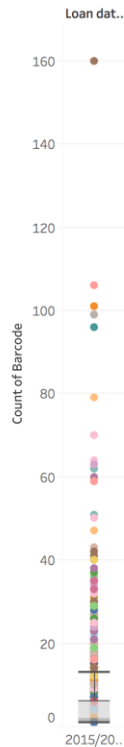
▼ Exploring Learning Analytics
Introduction
Identifying Data Sources
Data Cleaning and Storage
▼ Data Analysis
Library Services Data
Laptop Loans Survey
▼ Laptop Loans and
Other Loans
▼ Moodle data
Actions and outcomes
Moodle actions and
Moodle action types
Moodle action counts and
Moodle action counts –
Moodle data and
Additional Activities
Next Steps

The cart before the horse?

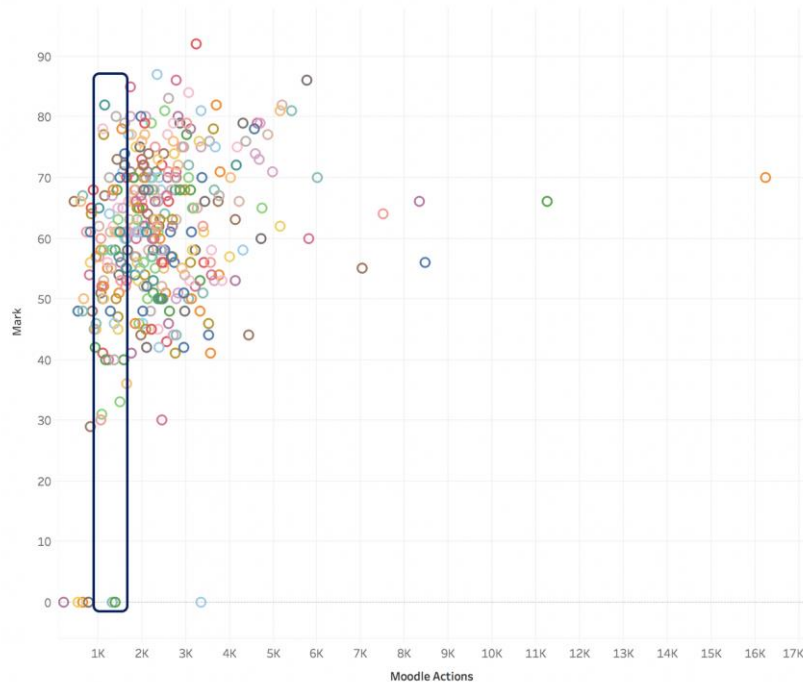


Data -> Qs, Qs and more Qs

Laptop loan count 2015/16



Final outcomes



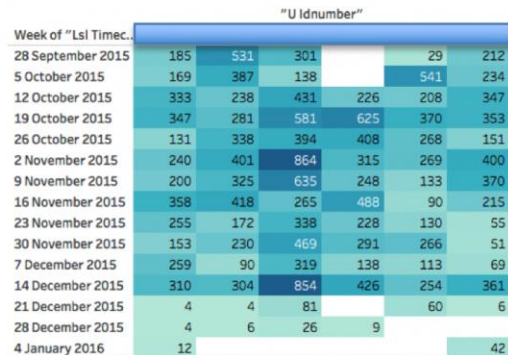
The caterpillar



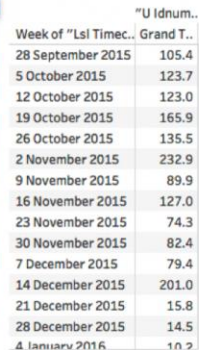
Digging a little deeper

BIOC2001

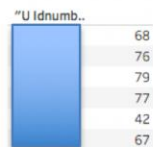
Wkly actions count, top 6



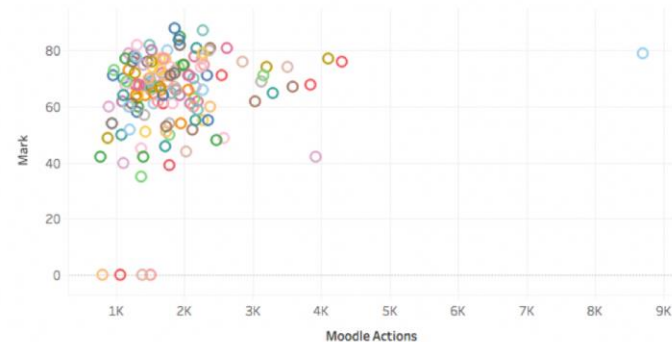
Avg weekly actions count



Mark for top 6



Module actions count against mark



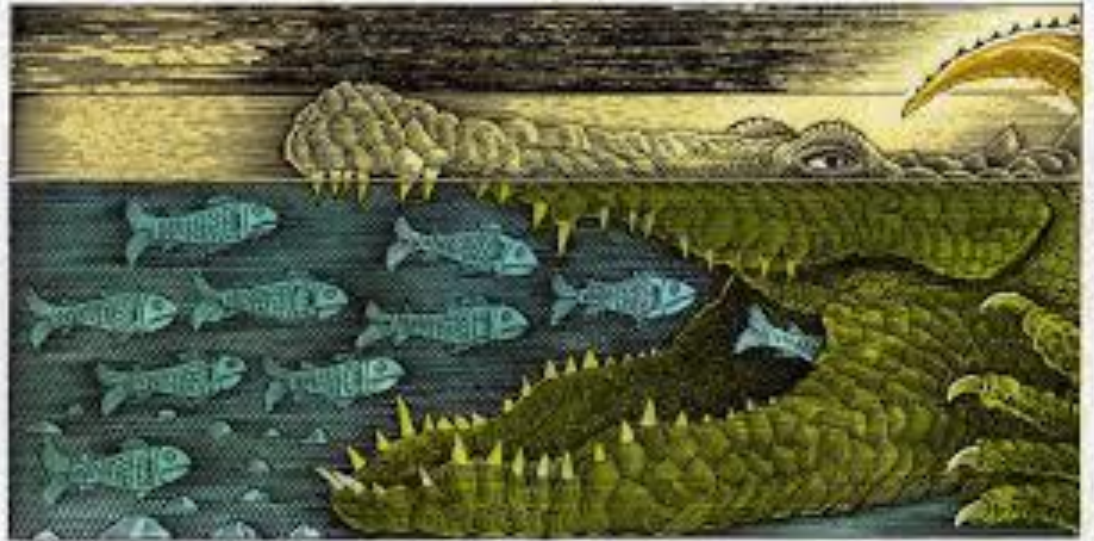
And the crocodile

The Crocodile

Lewis Carroll, 1832 - 1898

How doth the little crocodile
Improve his shining tail,
And pour the waters of the Nile
On every golden scale!

How cheerfully he seems to grin,
How neatly spreads his claws,
And welcomes little fishes in,
With gently smiling jaws!





<https://blogs.ucl.ac.uk/digital-education/category/abc-learning-design>

What I would like to look at

- Aligning learning analytics to student wellbeing - research questions
 - What are the current wellbeing / personal tutoring policies?
 - What data is supposed to support this?
 - What are the data flows?
- What is the focus of LA implementations?
 - Business problem
 - Data sources and flows
 - Interventions
-
- What synergies or conflicts are there between these?
- If a misalignment -
 - How could the LA applications be amended to better support student wellbeing?

What's happening?



Blog post: [TPCK, Data and Learning Design](#)

Finding the hook

Small (data) is beautiful

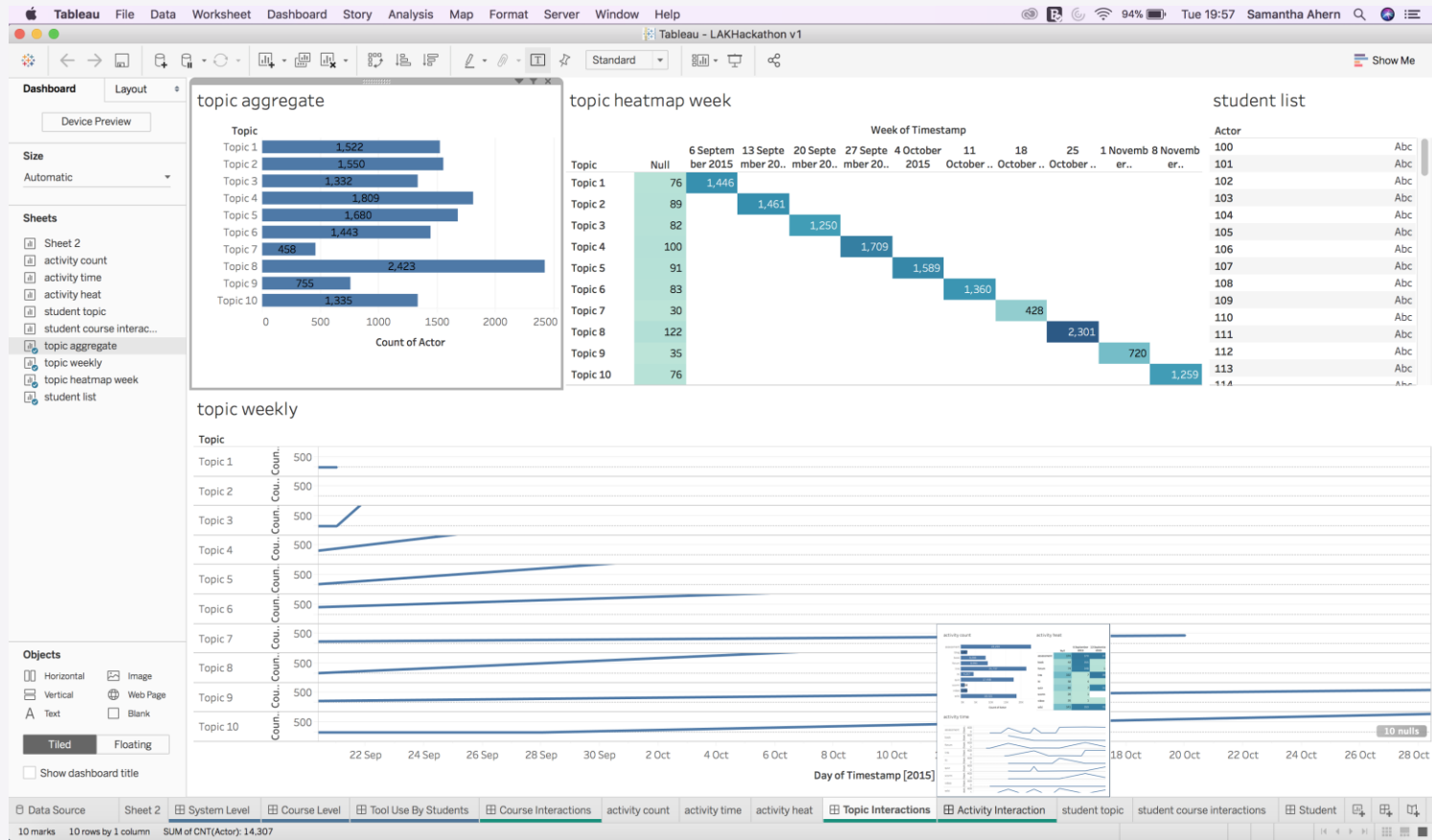
- » Fits existing academic practice
- » Answering specific questions not looking for patterns

Key questions

- » Are the learners engaging?
- » Are the learners making progress?
- » Do you need to make changes to the design?



What might this be?



Contact



Samantha Ahern FHEA
Digital Education Project Officer
Digital Education, Information Services Division

University College London
Gower Street, London WC1E 6BT
Tel: +44 (020) 3549 5216 Twitter: @2standandstare
s.ahern@ucl.ac.uk
www.ucl.ac.uk/teaching-learning/digital-education