

**Right here, right now: the world's first national
Learning Analytics service**

Rob Wyn Jones, Director of Data Analytics

<https://www.jisc.ac.uk/learning-analytics>

LA service tools



Learning Data Hub
Secure student &
big data store +
data integration
tools



Study Goal App
iOS & Android



Data Explorer
Tutor Dashboard



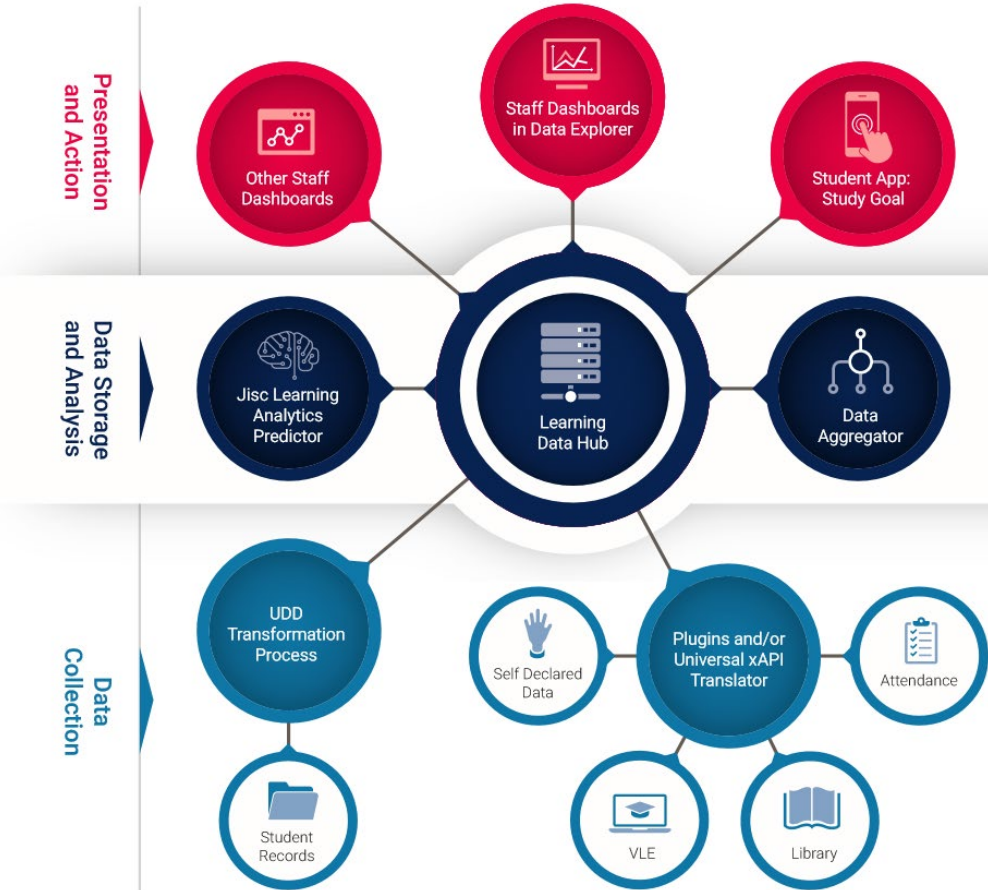
Traffic Light Calculator (TLC)
Live descriptive analytics,
data triggers

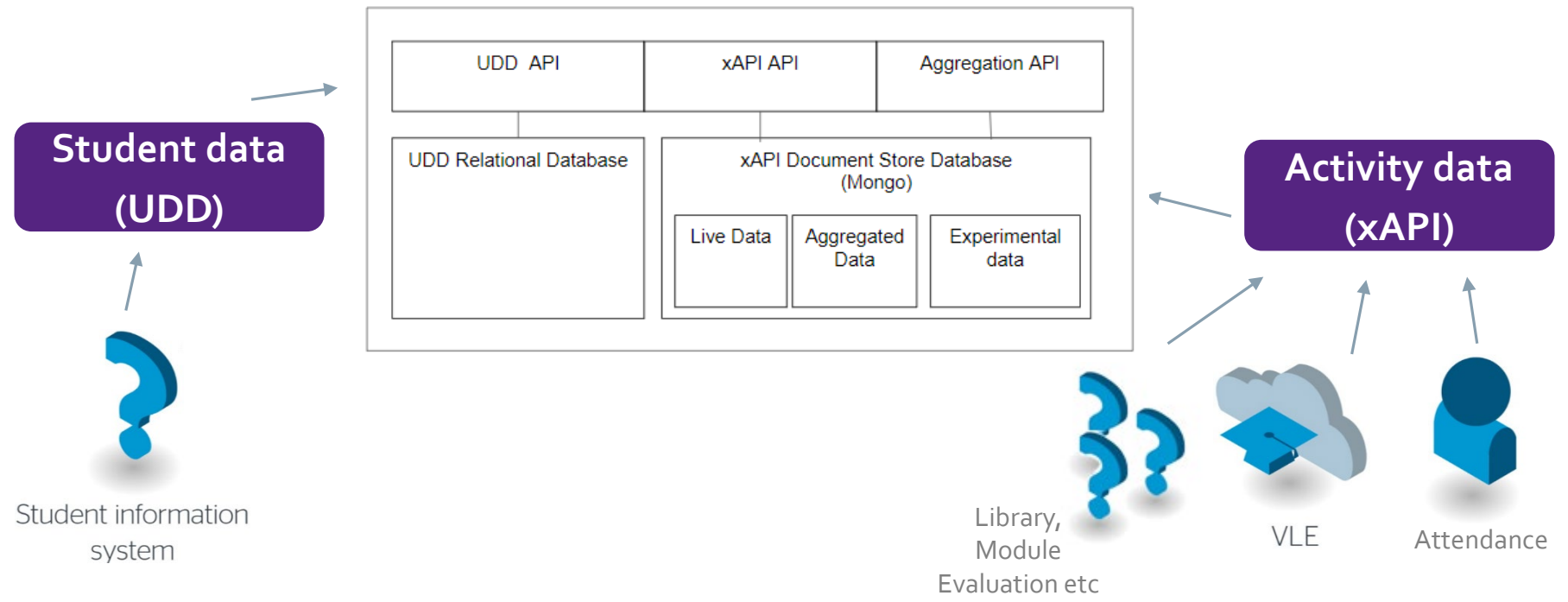


Predictor
Predictive engine –
machine learning models

Learning Data Hub

- » Single secure source
- » Near-live & historic data
- » Jisc Predictor engine
- » Student UDD data
- » Activity data via xAPI
- » Validation engine (live & self-service) per product
- » Integration tools for several systems
- » Data Integration team





- » Student records & assessment data
- » BlackBoard VLE (Learn, SaaS, Ultra)
- » Moodle, Canvas & D2L Brightspace VLEs
- » Jisc Checkin & Checkin+ attendance
- » Generic attendance data integration (3rd party systems) – including virtual attendance e.g. Panopto, Echo360 TBC
- » Library systems data (physical and electronic borrowing, reading lists)
- » Module evaluation systems eg. evasys
- » Alteryx, SQL, Pentaho Kettle ETL + more!



Blackboard



brightspace
by D2L



UNIT4
AGRESSO

Solutionpath
A DIF COMPANY

- » **Descriptive** - individual learners reflecting on their achievements and patterns of behaviour vs others (individual/ collective real-time multi-data benchmarking) – and analysis of same by academic/ support staff;
- » **Predictive** – automatically deducing (at the right time/ early) which students require extra support and attention - “at risk” eg. of academic success (course);
- » **Intervention Strategy** – help teachers and support staff plan tailored, suitable supporting processes & interventions with individuals/ groups;
- » **Curriculum (re)design** – improve current courses, inform digital capability / presence, develop new curriculum offerings;
- » **Continual Service Improvement** – for institute leaders and admins to motivate change through enhanced (business) processes within various institute areas including marketing, recruitment, policy and much more...
- » Retention, Attainment, Success, Employability, Satisfaction, Experience, £ROI

Course data | Module traffic lights | Module data | Notes | Bio

Student overview

Student ID 1010	Course BA (Hons) Jiscing	Year 2017-2018	Tutor Steve Hoole
---------------------------	------------------------------------	--------------------------	-----------------------------

Data type

Activity with Assessments ▾

Overall Activity with Assessment Grades



> Department
Tech & Analytics

> Course
Please select a course

> Student
Please select a student

2 courses found

BA (Hons) Jiscing >

Student RAG indicators



MA Jiscing >

Student RAG indicators



Course data | Module traffic lights | Module data | Notes | Bio

Data type

General indicators ▾

1 day

Last active on VLE

The amount of days since this student has last been active on the VLE.

0

Assignments complete

The assignments handed in successfully this academic year for all active modules.

0 / 100

Average mark

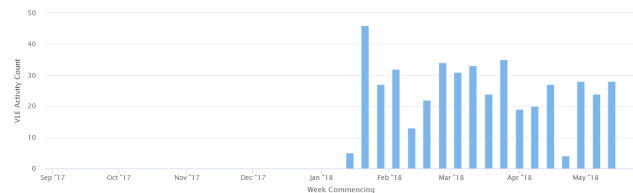
The average mark for all completed assignments this academic year.

Course data | Module traffic lights | Module data | Notes | Bio

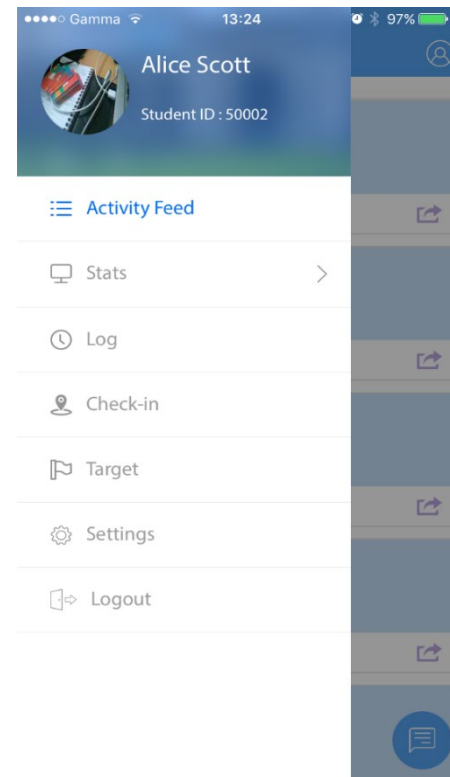
Data type

VLE Activity ▾

VLE Activity (01/09/2017-20/05/2018)



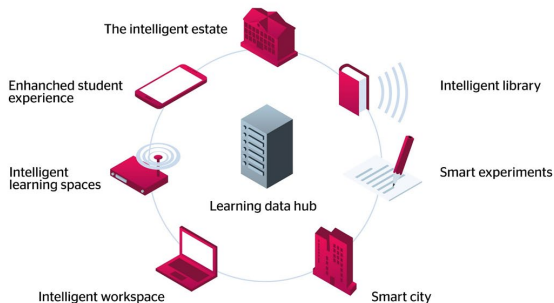
- » Social learning app + gamification
- » Setting targets and logging self-declared activity (“fitbit” concept)
- » View activity and attainment data
- » Checkin integration
- » Checkin+ product development (2019-20)
- » Student wellbeing support (2019-20)
 - › Happy check
 - › Student help
 - › Buddy wink
- » Tutor – student coaching (2019-20)
- » **Guides and videos**
- » <https://docs.analytics.alpha.jisc.ac.uk/docs/study-goal/Home>



LA - service impact



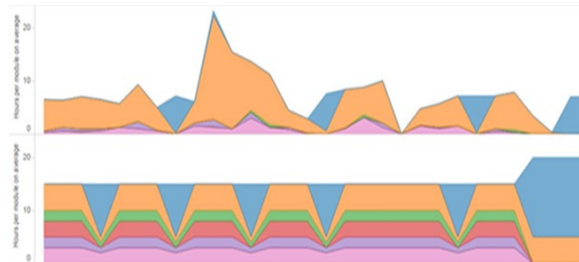
- Working with 30+ HEIs: 21 signed customers & another 20+ active pipeline
- 4 Institutions at full scale implementation (including Checkin attendance)
- 8 Welsh institutions signed up as part of the HEFCW all-Wales LA initiative
- 86.5% highest accuracy for new Jisc Predictive models - so far....
- Jisc Predictor evaluation in 2018-19, via several HEIs
- 2018 - Predictor v1 (student + vle data)
- 2019 - Predictor v2 (... + attendance); Predictor v3 (... + virtual attendance)



Intelligent campus



Employability & apprenticeship analytics



Curriculum analytics



Wellbeing analytics

A close-up photograph of a hand holding a white rectangular sign. The sign contains text about data analytics. The background is a blurred image of a person in a dark suit.

Make data power happen for you!

Rob Wyn Jones
Director of Data Analytics

Rob.Jones@jisc.ac.uk

@robwynjones