





About OAAT



- specifically designed for classroom teachers
- provides a quick, timely and easy way to access and analyse data related to students' online engagement in the Learning Management System (Blackboard)
- provides summary statistics, interpretation, analysis and suggestions about the students' online engagement
- puts the capability of using analytics to support
 learning and teaching into the hands of most teachers

Good things about OAAT



Fasy to use – You just need Excel



Can be used at any time you like



You can specify the period to look at



You can get upto-date usage information



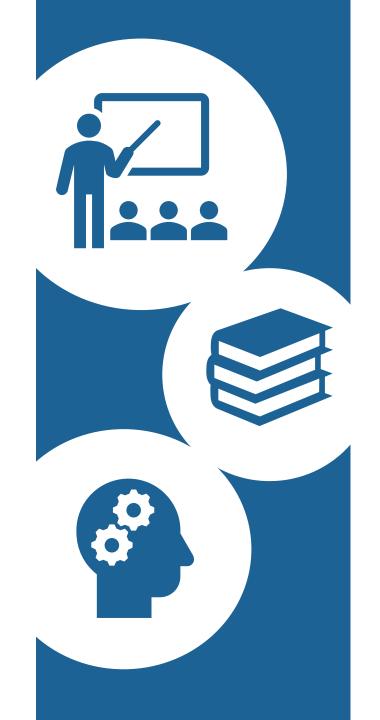
Raw data can be downloaded for further analysis in other applications



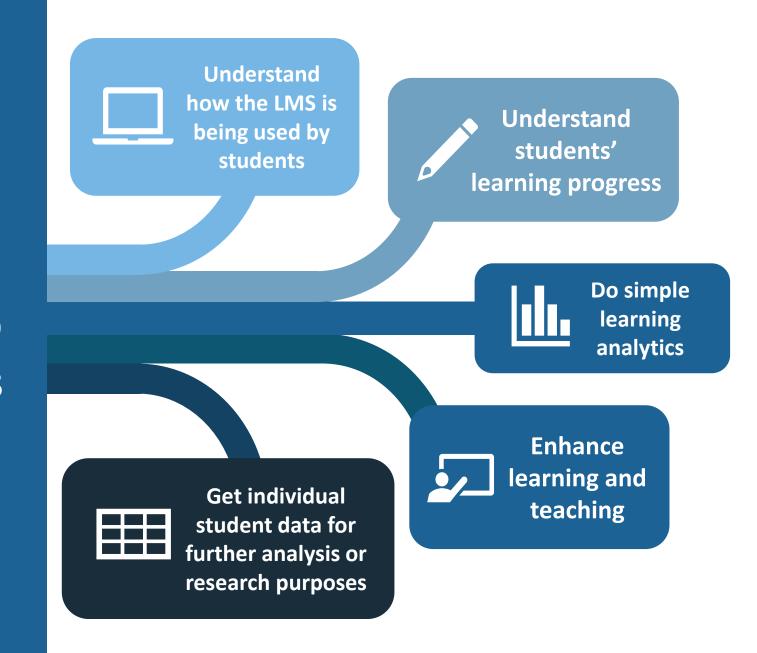
Includes interpretation insights

Developed with teachers and practical teaching practices

- Teachers are interviewed about their online teaching practices, course design, how they make use of data in their teaching and what other data or analysis helps review or enhance their teaching
- Teachers' teaching pedagogies and their opinion are used for enhancing the OAAT



Using
OAAT
can help
teachers
to



Just three steps are needed to use OAAT

Download the OAAT (For 32bit or 62bit Excel)

Archive the Blackboard course

Open OAAT and import archived Blackboard course

Features of OAAT

Overview of course usage

Can extract marks for each assessment by students

Usage of course features and materials by students

Analysis periods can be specified Correlation between marks and students' usage

Summary of students' participation in discussion forum

Prediction of student achievement from students' usage

Ability to export forum posts by students

Teachers' Feedback

Analytics can be done to make better sense of how teaching and learning is going

The discussion report is useful for evaluating student engagement with discussion topics

The data can help me to design the course better

Use of the Excel is a good idea for a non-computer person

The prediction of teaching outcome is useful

Can use it to benefit my department's goals and needs



Used by **OVER 50** teachers

benefitting 3000+ students

Teachers' Feedback

How to use OAAT:

- get individual students' usage about preclass materials and video
- use prediction analysis to find significant factors that have impact on grades

"Useful, interactive; much better than Bb course report in terms of the efficiency of generating report. Able to check hypothesis about online teaching strategies"

Health science teacher and her teaching team with class enrollment ~600

How to use OAAT:

- get individual students' usage during different periods before assessment or tests
- use prediction analysis to examine which quiz(es) or what behaviour impacts on the final grade

Finance teachers with class enrollment ~50

"Convenient, easy to use; better than Bb course report. Get data at any time and combine with student survey to understand student learning"

How to use OAAT:

 Extract forum report and posts dataset to grade students' posts and conduct social network analysis to explore student interaction " Useful for grading students. Able to carry out Social Network Analysis using the dataset generated by OAAT"

Social science teacher and his teaching team with class enrollment ~600

Features of Comparison between the predicted and the actual values of the dependent variable to the dependent variable to

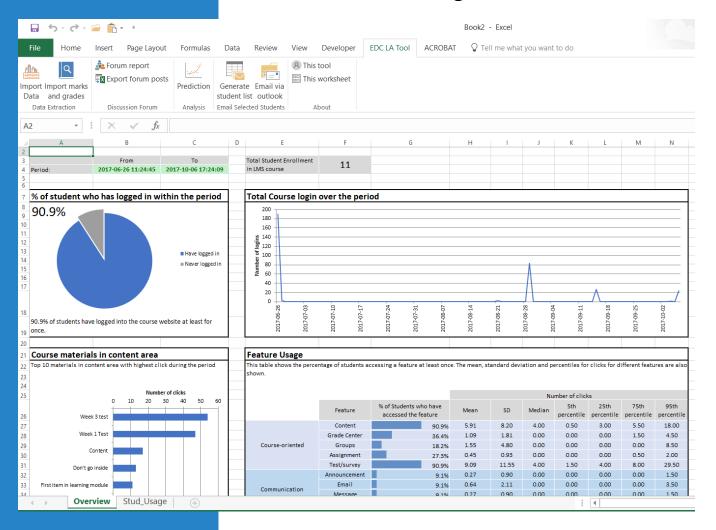
Version 2.03
For 32-bit and 64-bit Excel

Released in January 2019

Overview

The Overview worksheet shows the summary of course usage.

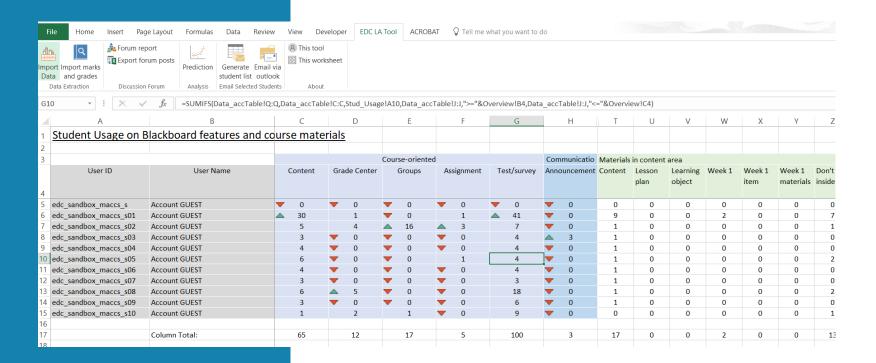
Teachers can specify the period that they are interested in looking at !



Student usage

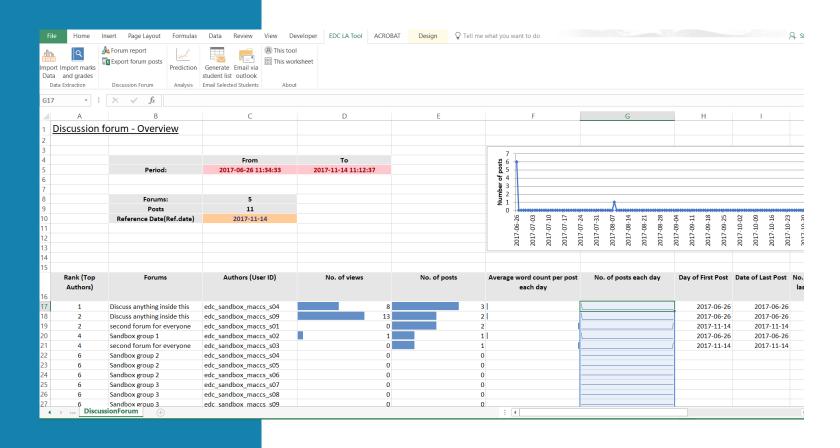
This worksheet shows clicks on course features and materials for individual students within the specified period.

Teachers can make use of filters, or copy and paste the data to another file, for further exploration.



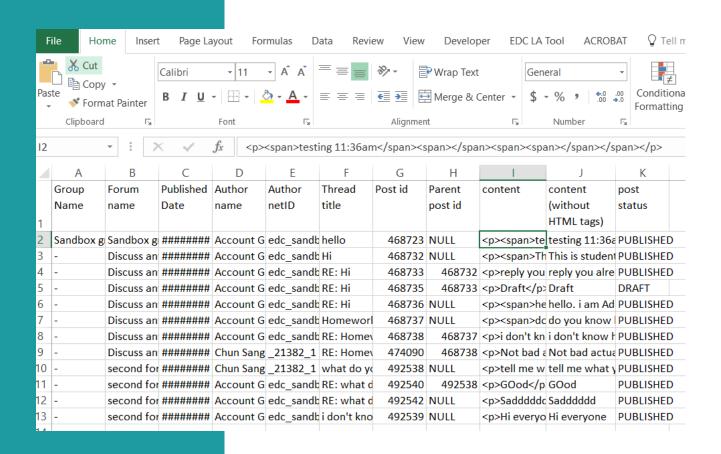
Students' forum participation

A summary of individual student participation in each forum is shown, including number of views, number of posts and word count for posts.



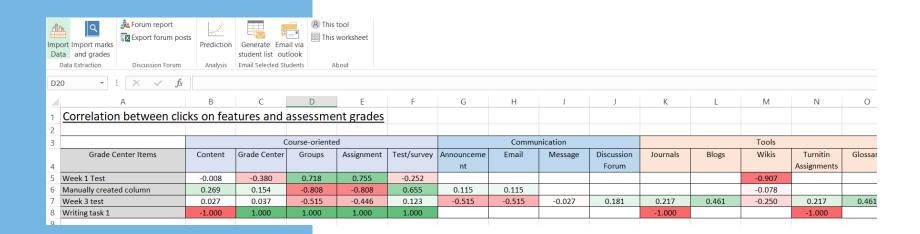
Export forum post

This function can export all the posts, including time, content, author and other information, to an Excel file for further exploration (e.g., social network analysis)



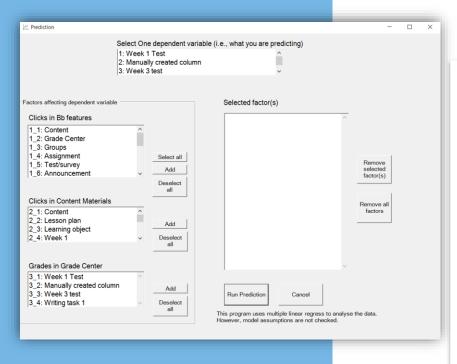
Correlation

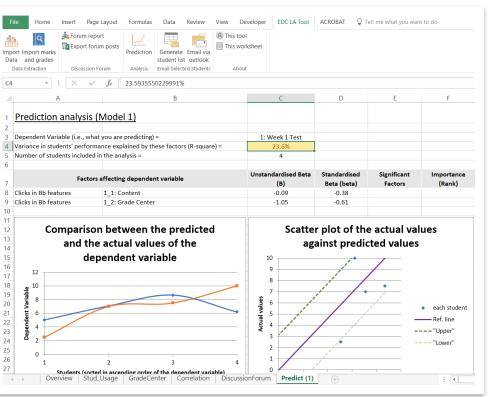
The correlation between marks in the GradeCenter and student usage within the Bb course is shown in this worksheet. This can help teachers to understand what pairs of variables are related and how strong the relationship is.



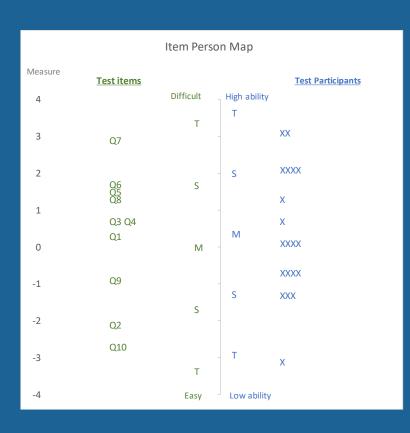
Prediction

Teachers can do prediction to find out what factors (variables about LMS usage or marks recorded in the GradeCenter) affecting student achievement





New feature coming soon



Online Test Analysis

(using Rasch analysis)

- Provide individual students' test performance data to teachers
- Provide data and interpretation for teachers to evaluate the test instrument
- Help teachers review their students' abilities

Our Team

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For any questions, please contact our team

