



Athabasca University

FACULTY OF SCIENCE & TECHNOLOGY

School of Computing & Information Systems

Moodle Analytics Software - AAT

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Funded by:



Motivation

- In online education, educators and learning designers typically don't get much feedback on what students are actually doing in a course and whether or not their teaching strategies and course designs are successful/helpful for students.
- Learning Management Systems (LMSs) generate a lot of data
- However, when looking at the data in the database, it is very difficult to get anything useful out of these data

General Aim of AAT

- Provide users with easy and comprehensive access to complex educational log data
 - Easy: Users do not need to have computer science knowledge
 - Comprehensive: users should have access to anything they are interested in

General design decisions:

- Allow users to ask “questions” to the data
- Allow users to start with easy queries and then build upon them
- Allow users to get information across courses and departments/faculties
- Work for different LMS and different versions of LMSs
- Work with several databases

Benefits

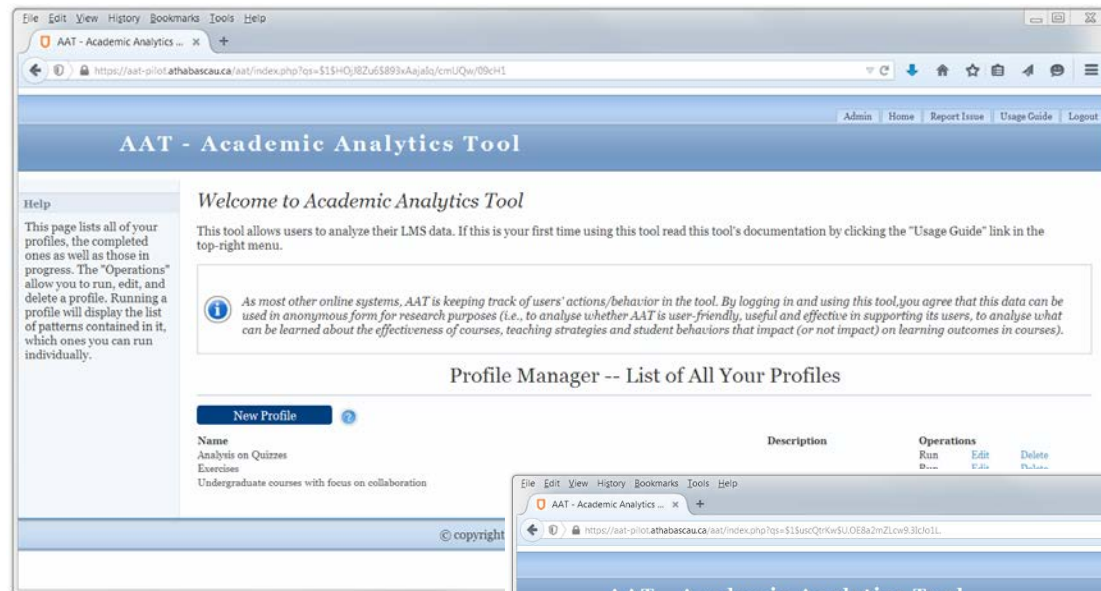
- Help to get better understanding on what students are actually doing in a course
- Facilitate learning about teaching strategies and learning designs

Procedure

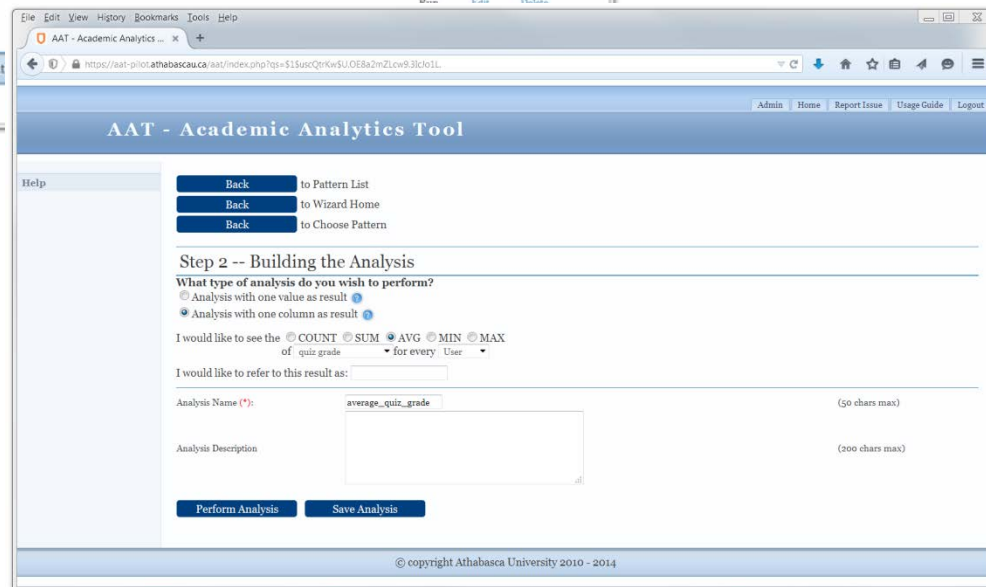
Building a **profile**

- Select a learning system to connect to
- Create/Select a **data set** (courses)
- Create/Select **patterns** (queries)

Demo



Demo



Questions



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