



Case Study I: Challenges in Identifying Correlation in a Small Module

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Module discipline: Technology-Enabled Learning

Approximate module size: 10 students

Level of module: NFQ Level 9

Reasons for using analytics in the module

I examined activity in a class. I was trying to find out if there was a correlation between activity completion and assignment result.

Data sources/modelling approach

I downloaded the activity completion report from Moodle. I did a find/replace to convert data to zeros and ones. I added a formula to excel to calculate the number of activities which were completed. I used this formula to see if there was any correlation between activity completion and assignment result =CORREL(B2:B17,C2:C17). There was very little correlation, but the class sizes are so little and activity completion is only one data source.

Impact of using data

In my other class, I would use activity completion on Moodle in a more general way. If a student is having difficulty with something, I always check to see he/she has accessed the available material.

Gathering further data

I am planning to design a survey for my class to find out information such as background for next year.

Advice for colleagues interested in using a data-enhanced approach

I think I am one of these! I find it difficult to get information on this and as I am not technical I feel I need much help. I am looking forward to ORLA.