UniSA: Going the journey with learning analytics

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Goals
Reduce... Student attrition
Improve...

Visibility of information

Course delivery
Inform...
Staff and Students
CHALLENGES
Data...
Lots of it
Disparate sources
What... do we actually analyse?
How... do we present data?
Complexity...
of Academic model
A simple university academic model..
A realistic university academic model.
Defining...
How we begin, and the tools we use
The Journey
Initial Development
## Course Engagement for Finance and Investment

### Engagement Percentage

<table>
<thead>
<tr>
<th>Key</th>
<th>Activity</th>
<th>Your Engagement</th>
<th>Course Average Comparison</th>
</tr>
</thead>
<tbody>
<tr>
<td>E1</td>
<td>Accessed your learnonline course site</td>
<td>28</td>
<td>This is 46% less than the course average</td>
</tr>
<tr>
<td>E2</td>
<td>Accessed documents on your learnonline course site</td>
<td>31</td>
<td>This is 39% less than the course average</td>
</tr>
<tr>
<td>E3</td>
<td>Entered or contributed to a learnonline forum</td>
<td>14</td>
<td>This is 79% less than the course average</td>
</tr>
<tr>
<td>E4</td>
<td>Submitted an assignment to your learnonline course site</td>
<td>0</td>
<td>This is the course average</td>
</tr>
<tr>
<td>E5</td>
<td>Engaged in other learnonline activities</td>
<td>0</td>
<td>This is less than the course average</td>
</tr>
</tbody>
</table>

### Engagement Summary

![Bar chart showing engagement percentage for different activities.](image)

**Legend:**
- Blue: Your Engagement
- Red: Average Engagement

[Return to courses](#)
<table>
<thead>
<tr>
<th>Study Period</th>
<th>Activity Type</th>
<th>Activity</th>
<th>No. of Students viewed/accessed</th>
<th>No. of Students participated/submitted/attempted</th>
<th>Participation rate for views %</th>
<th>Participation rate for students Posted/attempted/submitted %</th>
</tr>
</thead>
<tbody>
<tr>
<td>SP5-2012</td>
<td>ASSIGNMENT</td>
<td>Assignment</td>
<td>102</td>
<td>0</td>
<td>100</td>
<td>0</td>
</tr>
<tr>
<td>SP5-2012</td>
<td>ASSIGNMENT</td>
<td>Case study</td>
<td>342</td>
<td>0</td>
<td>100</td>
<td>0</td>
</tr>
<tr>
<td>SP5-2012</td>
<td>ASSIGNMENT</td>
<td>Review</td>
<td>355</td>
<td>0</td>
<td>100</td>
<td>0</td>
</tr>
<tr>
<td>SP5-2012</td>
<td>COURSE</td>
<td>Course Logins</td>
<td>431</td>
<td>0</td>
<td>100</td>
<td>0</td>
</tr>
<tr>
<td>SP5-2012</td>
<td>FORUM</td>
<td>Discussion Board Week 1</td>
<td>293</td>
<td>45</td>
<td>100</td>
<td>15</td>
</tr>
<tr>
<td>SP5-2012</td>
<td>FORUM</td>
<td>Discussion Board Week 10</td>
<td>54</td>
<td>2</td>
<td>96.40</td>
<td>3</td>
</tr>
<tr>
<td>SP5-2012</td>
<td>FORUM</td>
<td>Discussion Board Week 11</td>
<td>18</td>
<td>0</td>
<td>90</td>
<td>0</td>
</tr>
<tr>
<td>SP5-2012</td>
<td>FORUM</td>
<td>Discussion Board Week 12</td>
<td>17</td>
<td>0</td>
<td>89.50</td>
<td>0</td>
</tr>
<tr>
<td>SP5-2012</td>
<td>FORUM</td>
<td>Discussion Board Week 2</td>
<td>188</td>
<td>8</td>
<td>100</td>
<td>4</td>
</tr>
<tr>
<td>SP5-2012</td>
<td>FORUM</td>
<td>Discussion Board Week 3</td>
<td>120</td>
<td>3</td>
<td>98.40</td>
<td>2</td>
</tr>
<tr>
<td>SP5-2012</td>
<td>FORUM</td>
<td>Discussion Board Week 4</td>
<td>97</td>
<td>5</td>
<td>99</td>
<td>5</td>
</tr>
<tr>
<td>SP5-2012</td>
<td>FORUM</td>
<td>Discussion Board Week 5</td>
<td>101</td>
<td>2</td>
<td>100</td>
<td>1</td>
</tr>
<tr>
<td>SP5-2012</td>
<td>FORUM</td>
<td>Discussion Board Week 6</td>
<td>92</td>
<td>4</td>
<td>100</td>
<td>4</td>
</tr>
<tr>
<td>SP5-2012</td>
<td>FORUM</td>
<td>Discussion Board Week 7</td>
<td>88</td>
<td>2</td>
<td>98.60</td>
<td>2</td>
</tr>
</tbody>
</table>
Discussion Board Week 1

- **42%** Number contributed
- **9%** Number viewed only
- **49%** Did not participate
Scope
LEARNING WAREHOUSE
Consultation

• Academic Discussion
• Academic Review
• Student Review
• Refinement
Mocks
Popular Reports

Activity engagement by students
Student at risk information
Grade distribution
At risk course reports

These reports will help you get started, giving you basic information about your course and the student engagement within.

learnonline course site reports

Number of activities
Activity engagement by students
Usage
Student at risk information
Late assessment
Forums
Grade Distribution

These reports are focused on the learnonline course site.

Student Engagement and Academic Performance Reports

At risk course reports
Student engagement and participation

These reports display students who are not engaging in their online work, as well as showing their academic progression.

Lecture recording reports

Recording views
Student engagement

These reports are focused on the lecture recording data.

Virtual classroom reports

Meeting information
Content

These reports are focused on the virtual classroom data.

myCourseExperience reports

Student satisfaction information

These reports are focused on student satisfaction in relation to specific metrics.

ePortfolio reports

Logins
Relationships
Usage

These reports are focused on the ePortfolio data.

Media repository reports

Media item views

These reports are focused on the media repository data.

System compliance reports

learnonline course site
Course Outline

These restricted reports display the level of compliance for various systems.
BUSS 3023 (006461) - Strategic Management (SP5 2012 INTERNAL) Primary Coordinator: John Smith

Further course offering details
Select another course/offering

Analytics > Student engagement and academic performance reports (At risk course reports)

Calculated At Risk

Lists students and their calculated risk score for Course or Program Withdrawal.

<table>
<thead>
<tr>
<th>Student ID</th>
<th>Network User</th>
<th>Student Name</th>
<th>Risk</th>
<th>Pass Rate</th>
<th>GPA</th>
<th>Load</th>
</tr>
</thead>
<tbody>
<tr>
<td>100600443</td>
<td>QUEEN0009</td>
<td>Oliver Queen</td>
<td>64</td>
<td>44% (4 of</td>
<td>5.1</td>
<td>4</td>
</tr>
<tr>
<td>100260742</td>
<td>LEEJ018</td>
<td>Jim Lee</td>
<td>82</td>
<td>55% (6 of</td>
<td>5.3</td>
<td>4</td>
</tr>
<tr>
<td>100460770</td>
<td>RAYNEKO18</td>
<td>Kyle Raynor</td>
<td>75</td>
<td>67% (6 of</td>
<td>5.4</td>
<td>4</td>
</tr>
<tr>
<td>100420120</td>
<td>JONESJ005</td>
<td>John Jones</td>
<td>72</td>
<td>67% (6 of</td>
<td>5.5</td>
<td>2</td>
</tr>
<tr>
<td>100630253</td>
<td>PRINCE010</td>
<td>Diana Prince</td>
<td>64</td>
<td>67% (6 of</td>
<td>5.6</td>
<td>3</td>
</tr>
</tbody>
</table>

+ Show Full List

Student logins in learnonline
The number of times a student has logged into their learnonline course for this offering.

<table>
<thead>
<tr>
<th>Student ID</th>
<th>Network User</th>
<th>Student Name</th>
<th>Logins</th>
<th>Last Login Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>100600443</td>
<td>QUEEN0009</td>
<td>Oliver Queen</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>100260742</td>
<td>LEEJ018</td>
<td>Jim Lee</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>100460770</td>
<td>RAYNEKO18</td>
<td>Kyle Raynor</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>100420120</td>
<td>JONESJ005</td>
<td>John Jones</td>
<td>2</td>
<td>13 May 2013 10:48AM</td>
</tr>
<tr>
<td>100630253</td>
<td>PRINCE010</td>
<td>Diana Prince</td>
<td>7</td>
<td>11 May 2013 6:13PM</td>
</tr>
</tbody>
</table>

+ Show Full List
Student Name: Queen. Oliver
Student Id: 110058936
Network User Name: QUEEN001

Assignment Trend for 2012 (all courses)

Predicted Final Course Grades for SP 5 2013

<table>
<thead>
<tr>
<th>Course Name</th>
<th>Course Code</th>
<th>Predicted Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advanced Research Methods</td>
<td>BEHL 3005</td>
<td>P2</td>
</tr>
<tr>
<td>Accounting Decisions and Accountability</td>
<td>ACCT 1005</td>
<td>P1</td>
</tr>
<tr>
<td>Marketing Principles: Trading and Exchange</td>
<td>MARK 1010</td>
<td>P1</td>
</tr>
</tbody>
</table>

Summary
Student is likely to pass all of the courses in this study period.
Their risk factor is 56 which is moderate risk.

Academic Alerts
Assignment 1 (BEHL 3005) was submitted two days late.
Turnitin score for Essay (BEHL 3005) had a high similarity score.
Source Data Analysis
Data Modelling
ETL Design
Development
Roadmap

Pilot - September 2013
Go Live - March 2014
Iterations - Continual
Questions?

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