Leadership in learning analytics

Dr Lyn Alderman, QUT
Reframe early conceptual model
Reframe: QUT’s Evaluation Framework

Reframe is changing our approach to the evaluation of courses, units, teaching and student experience at QUT. We are moving away from a single survey tool to a richer, more holistic and customisable approach.

This approach will help our academics design and deliver high-quality learning experiences, and review the impact of their teaching practice on student learning. Through it, we will also be able to provide more timely access to specialised support and meet external reporting requirements.

The Framework consists of:

**Personal evaluation strategy**

- a personal strategy you develop annually using the University endorsed suite of evaluation tools: Automated or Self-selected
- academic staff are expected to annually engage in evaluation, drawing on multiple sources of qualitative and quantitative data
- evaluation needs to be targeted to focus on the impact on student learning

**Automated unit and learning evaluation activities**

- **Pulse survey**
  - early in the unit (usually Week 4)
  - centrally delivered and open for 2 weeks
  - 3 questions + 1 extended comment
  - formative with results given to key stakeholders

- **Insight survey**
  - opens at the end of the teaching period (usually Week 13)
  - centrally delivered and open for 4 weeks
  - 3 questions + 1 extended comment
  - student evaluation flows through to all stakeholders including TEGSA for institutional reporting

- **Unit exit survey**
  - automatically and centrally delivered to students when they withdraw from a unit
  - students can rank their top 3 reasons out of a list of 7 reasons for withdrawal
  - includes 1 extended comment
  - results flow through to key stakeholders

**Self-selected, endorsed evaluation suite**

- **Tailored survey**
  - select from a bank of questions to gather feedback from students, peers or industry (currently consists of a Tailored teacher survey: includes 1 standard scale item, up to 6 optional questions + 1 extended comment)

- **Peer review**
  - ask a peer to review your teaching practice, materials or assessment items

- **Instant response**
  - use instant response tools and activities to collect and review student or peer feedback quickly and directly

- **Existing data**
  - use current unit reports, course reports and other available data to review your progress and impact on student learning

- **Customised approach**
  - document your use of customised approaches to evaluate your unit, teaching and impact on student learning

http://www.intranet.qut.edu.au/teaching/review-evaluate
Reframe embedding strategies
Reframe distributed grants

- 2011: Reframe Pilots Round 1, $25,000
- 2012: Reframe Pilots Round 2, $25,000
- 2013: Reframe Digital Stories, $20,000
- 2014: Reframe Commissioned Grant, $10,000
Business Intelligence & Reframe: QUT’s Evaluation Framework

Data and Reporting layer made up of:

- 1 Universe
- 18 purpose built tables
- 15000 lines of code across 16 programs
- 7 key Business Objects Reframe reports
- Course, unit, teaching, learning, HR & PD data for every course, unit, faculty, school and staff member at QUT

### 2016 Course Quality Dashboard

**Historic Course Performance Key**
- **Green**: Performance score >= +2
- **Neutral**: Performance score < +2 & > -2
- **Red**: Performance score <= -2

**Other**
- **Link**: Direct link to Course Analytic Profile
- **↓**: Trend indicators comparing targeted year's data against previous year's data

**Review and Reaccreditation Planning Key**
- **Reaccred**: Course scheduled to be reaccredited
- **Retire**: Course scheduled to be retired
- **Mid-cycle**: Mid-cycle review scheduled to commence
  - Course phasing out - no reaccreditation planning required

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In 2014, the Course Quality Assurance process has been merged with the Course Transformation and Reaccreditation Planning (CTRIP) process. The provision of historical and predictive course data is designed to assist Faculties with planning processes.

1 Predictive Course Performance data is calculated using linear regression for each performance measure. The performance model is then applied to the predicted values to calculate the predicted course performance. Predicted Course Performances are only shown for courses with at least 2 years of historical data.

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### QUT Business School

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### Courses

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Beyond descriptive statistics
Analysis of student feedback comments
Learning analytics
External consultancies

2014
Simon Fraser University, Canada
$20,000 in-kind

2014
University of Technology, Sydney
$20,000

2014
AusAID proposals for Australian Award Fellowships - unsuccessful

2015
Department of Education, Training and Employment, QLD - pending

2015
University of Canterbury, New Zealand
Aboriginal Health Council of South Australia Inc (AHCSA) Legacy and Footprint

Governance:
- Members
- Board Representatives for Members
- Strategic Direction and Constitutional Objectives
- AHCSA Leadership
- Peak Body
- Stakeholder Partners

Organisation:
- Continuous Quality Improvement
- Accreditation
- Risk Management
- Compliance

Advocacy and Members:
- Peak body advocacy
- Public Health Medical Officer
- Research Ethics Committee
- Research project partnerships

Member Support:
- Member Services support
- General Practice Education & Training
- Workforce Training (RTQ)
- Patient Information Management System (Communicare)
- Commissioned Training
- Employment opportunities for Aboriginal people

Comprehensive Primary Health Care:
- Blood Born Virus
- Ear and Hearing Health
- Eye Health and Trachoma Elimination
- HERO Sexual Health
- Maternal Health Tackling Smoking
- Rheumatic Heart Disease
- Tackling Smoking and Healthy Lifestyle

Administration:
- Finance
- Human Resources
- Administrative Support
- Client Record Management System (NetSuite)
- Capacity Building for Staff
OLT submission with Wollongong
Method
Curriculum Storytelling
Post Occupancy Evaluation Tool
Welcome Lyn Alderman.

School Building Survey
This questionnaire requests information about the following aspects of the spaces and place in which the teaching staff work and the school space in general.

Start school survey  Start room survey

Student Survey
This questionnaire requests information about the following aspects of the spaces and place in which the teaching staff work and the school space in general.

Start new survey

Teaching Staff Survey
This questionnaire requests information about the following aspects of the spaces and place in which the teaching staff work and the school space in general.

Start new survey

View History
2015 Australian Learning Analytics Summer Institute (ALASI)

November 26-27 2015 • Sydney Australia

The premier forum in Australia for the exchange of knowledge and innovation in learning analytics. Keynotes by Peter Reimann and Lyn Alderman plus workshops, tutorials and discussions (learn more...)

Australian Learning Analytics Summer Institute
Visualisation of promotions

[Diagram showing the process of promotions at QUT for Academic and Research Staff Level D and E, including preparation, application, committee process, and outcomes.]
Visualisation of data request process
From policy borrowing to implementation
Thank you

ANY QUESTIONS