How do we start?
State and Directions of Learning Analytics Adoption

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Our institution is in early days of adoption
STATE OF ADOPTION
Current state – Oz and Europe

Student Retention and Learning Analytics
A snapshot of Australian practices and a framework for advancement

http://he-analytics.com  http://sheilaproject.eu/
Very few institution-wide examples of adoption
Sophistication model

Adoption challenge

Leadership for strategic implementation & monitoring
Lack of leadership

Bought an analytics product.

Analytics box ticked!
Leadership challenge
Leadership challenge

Maturity of Learning Analytics Deployment

Team / Organizational Impact

Integrated

Limited

Beginning

Aware
- Basic reports
- Log data

Experimentation
- Drill down reports
- Sample dashboards

Organizational Transformation
- Predictive models
- Personalized learning
- Measured by impact & organizational strategy

Sector Transformation
- Data sharing capabilities
- Innovation
- Open data
- Sector-wide agility

Advanced
Adoption challenge

Equal engagement with different stakeholders
Adoption challenge

Training opportunities to use learning analytics
Adoption challenge

Policies for learning analytics practice
What’s necessary to move forward?
DIRECTIONS
Data – Model – Transformation

Data – Model – Transformation

Creative data sourcing

Social networks are everywhere

Data – Model – Transformation

Creative data sourcing
Necessary IT support

Data – Model – Transformation

Question-driven, not data-driven

HAVING CONDUCTED A COMPREHENSIVE ANALYSIS OF DOZENS OF SUBSETS OF DATA FROM A WIDE RANGE OF SOURCES WE’VE CONFIRMED THAT THE LIKELY ANSWER IS 36....NOW WE JUST NEED TO IDENTIFY THE QUESTION!
Learning analytics is about learning

One size fits all does not work in learning analytics
Learning context

Instructional conditions shape learning analytics results

Data – Model – Transformation

Analytics tools for non-statistics experts

Visualizations can be harmful
Students don’t perceive dashboards as feedback

Data – Model – Transformation

Analytics tools for non-statistics experts
Develop capabilities to exploit (big) data

You don’t have to be a data scientist to be data savvy. And that’s a good thing.

Many companies are putting massive focus on recruiting the rare beasts that are data scientists. But in doing so, they often forget the need for creating a much more data savvy culture overall.

Data is already becoming ubiquitous in business as well as in daily life. It used to be that the IT department could be contained to its own office or floor, but today, it’s becoming harder and harder to segregate the realm of data from any other aspect of business.

That means that data — and the application and analysis of said data — is going to become more and more important in every department, from sales to HR and from R&D to marketing.

The good news is that you don’t have to know how to code or do advanced maths to become data-savvy. In fact, you don’t have to be particularly tech savvy at all. What you do have to do is adopt a data-friendly mindset.

Whether you are looking to lead the way as a data-savvy employee, or lead the charge for culture change as a manager or C-level executive, here are
SHEILA project

R.O.M.A.
Rapid Outcome Mapping Approach

Policy development

1. Map political context
2. Identify key stakeholders
3. Identify desired behaviour changes
4. Develop engagement strategy
5. Analyse internal capacity to effect change
6. Establish monitoring and learning frameworks

ACCOUNTABILITY
CONSENT
DATA SHARING
PERSONALIZATION
INOPERABILITY
ANONYMITY
ETHICS
PRIVACY
OWNERSHIP

Erasmus+
http://sheilaprovject.eu/
FINAL REMARKS
Rhetoric of simplistic technological fixes is unproductive
Embracing complexity of educational systems
Capacity development

Multidisciplinary teams in institutions critical
Development of analytics culture

Thank you!

http://lak17.solaresearch.org/

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