LEARNING ANALYTICS & STUDENT RETENTION

A FRAMEWORK OF FACTORS RELEVANT TO INSTITUTION LEVEL IMPLEMENTATION OF LEARNING ANALYTICS FOR STUDENT RETENTION

This framework organises a range of factors relating to learning analytics implementation into six key domains, shown in green. These domains share a systematic discussion interface, shown in yellow, which articulates the institution level focus of the framework and its intended engagement process.

INSTITUTIONAL CONTEXT

Institutional context provides the parameters for what is feasible/appropriate and includes:

Location **Student demographics and characteristics** **Staff demographics and characteristics** **Size and structure** **Strategic positioning of the institution**

SYSTEMATIC DISCUSSION OF THE SIX DOMAINS

This discussion interface recognises that sucessfully coping with the complexity of learning analytics requires a collaborative, systematic approach because:

Expertise relating to the six different domains is distributed across institutions **Learning analytics projects typically exert broad impact across an institution**

TRANSITIONAL INSTITUTIONAL ELEMENTS	LEARNING ANALYTICS INFRASTRUCTURE	TRANSITIONAL RETENTION ELEMENTS	LEARNING ANALYTICS FOR RETENTION	INTERVENTION AND REFLECTION
Transitional institutional elements provide the parameters for the implementation of learning analytics. They include:	Learning analytics infrastructure is concerned with three main factors: system reliability, system sophistication and relevant expertise. This includes:	Transitional retention elements provide the parameters to enable more effective deployment of learning analytics for retention purposes. These include:	Learning analytics for retention factors are focussed on the use of learning analytics for retention and include:	Intervention and reflection are critical to improving retention. Consideration needs to be given to:
Culture	**Digital availability and integrity of data**	**Retention planning**	**Educational and business questions from various stakeholders**	**Training, support and time for staff and students to use systems, interpret data and reports and act on them**
Positioning of learning analytics within the institution	**Integration, continuity and availability of data systems**	**Retention strategy and implementation**	**The ability of the system to address the questions**	**Endorsed processes around actions or interventions arising from the data**
Level of sponsorship	**Technical, pedagogical, statistics, and project management expertise**	**Governance arrangements related to student retention**	**Accessibility, ease of use of system, tools and reports for various stakeholders**	**Modification of relevant elements, systems, factors and interventions**
Governance arrangements	**Data stewardship**		**Consideration and resolution of the ethical issues which may arise from the implementation and use of learning analytics**	
Alignment with institutional strategy	**Policy and procedures**			
Sustainability				