Analytics and insight: developing a tool to support building & construction apprentices’ completion

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The BCITO Education Principles

1. All participants in the learning environment are learners.
2. Every learner is an individual, every learning context is unique.
3. Education best practice drives decision-making.
4. Existing learning is respected and accommodated.
5. Learner progress is fully supported by "The System".
6. Resources* to support a positive learning experience are flexible, accessible, attractive and appropriate.
7. Consistency measures are collegial and support professional growth.
8. In the training partnership, BCITO people are education experts; industry people provide technical expertise.

* including people
Every learner is an individual, every learning context is unique
2015 Carpentry Completers by Time in Training

Number of Trainees

Training Duration in Months

[Graph showing the distribution of training durations for 2015 carpentry completers]
BCITO withdrawals 2002-8

- < 1 year: 35%
- 1-2 years: 29%
- 2-3 years: 17%
- 3-4 years: 9%
- 4+ years: 10%
BCITO withdrawals 2009-10

- < 1 year: 7%
- 1-2 years: 6%
- 2-3 years: 20%
- 3-4 years: 22%
- 4+ years: 45%
Apprentice enrolments 2016

5568
Apprentice withdrawals 2016

2648
Apprentice re-starts 2016
So how many carried on?
And that leaves...
...1548 gone without trace
How many complete?

5568
Net enrolment success

63%
And the re-starts?

1100
Re-starters’ success

21%
NZCER drivers: making sound connections
The Learner Success Project

A tool to provide apprentice “health profiles”

- Research-based, measures of the interplay of influences on completion
- Focused on likelihood of completion
- Recognises different ideas of “success”
- Advises on learner support
Project structure

Phase 1: identifying and prototyping
- Identify influences
- Design prototypes and test mechanisms

Phase 2: data collection
- Large-scale via surveys
- Small-scale via interviews
- Analysis and modelling

Phase 3: refinement and calibration
- Analysis and reporting
- Calibration
- Advisory / support documentation
Prototyping and trialling

"Before you go, would you mind taking a few moments to fill out a short form rating your relationship experience?"
The assessment visit and team is central
The surprises that bind us

Have a seat Kermit. What I’m about to tell you might come as big shock...
Where to next?