

Adult Literacy and Numeracy Assessment Tool Road-show

Workshop Four

Ben Gardiner
April – July 2013

Mining data to make decisions across the whole Organisation

- Support resources
- Reports in the Assessment Tool
- Scale Score and Margin of Error
- The Gain Report
- Data engine extracts

Support Resources

- Literacy and Numeracy for Adults Website:
<https://www.literacyandnumeracyforadults.com/resources/355041>
- In-Tool contextual Help
- Assessment Tool Service Desk
Email: assessforadults@nzcer.org.nz
Phone: 04 381 4576

Reports in the Assessment Tool

Overview of Reports in the Assessment Tool:

<https://www.literacyandnumeracyforadults.com/Resources/355055>

Scale Score and Margin of Error

- Scale of 0-1000
- Scale Score: The number of questions the learner gets correct forms their raw score. The raw score is then weighted against the questions' difficulty and converted to a scale score.
- Represented by the dotted line in the Individual Report and dictates the Step result

Scale Score and Margin of Error cont.

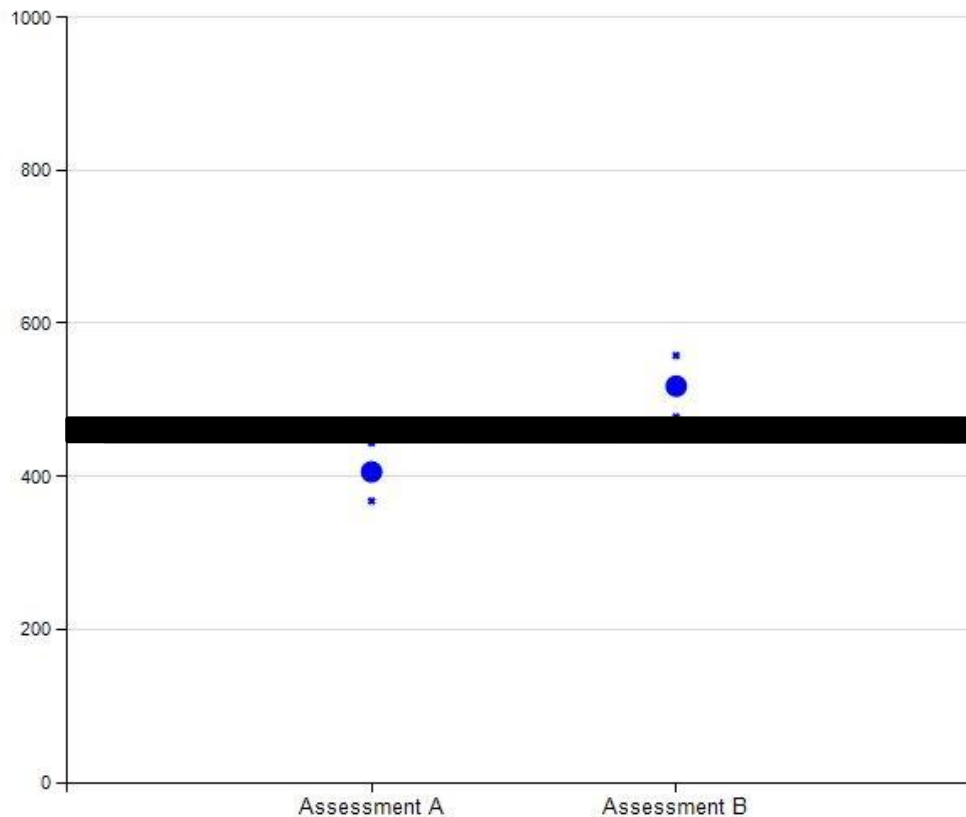
- The Margin of Error is an indication of how robust the learner's result is.
- Margin of error and non-adaptive Assessments
- Learner engagement, margin of error, full length or Snapshot assessments??

The Gain Report

- Creating a Gain Report
- Interpreting the Box and Whisker graph
- Interpreting the data table
- Gain versus Significant Gain
- Risks of focusing solely on the Step result

Learner Progress Report, Numeracy

Scale Score



Achievement Statistics

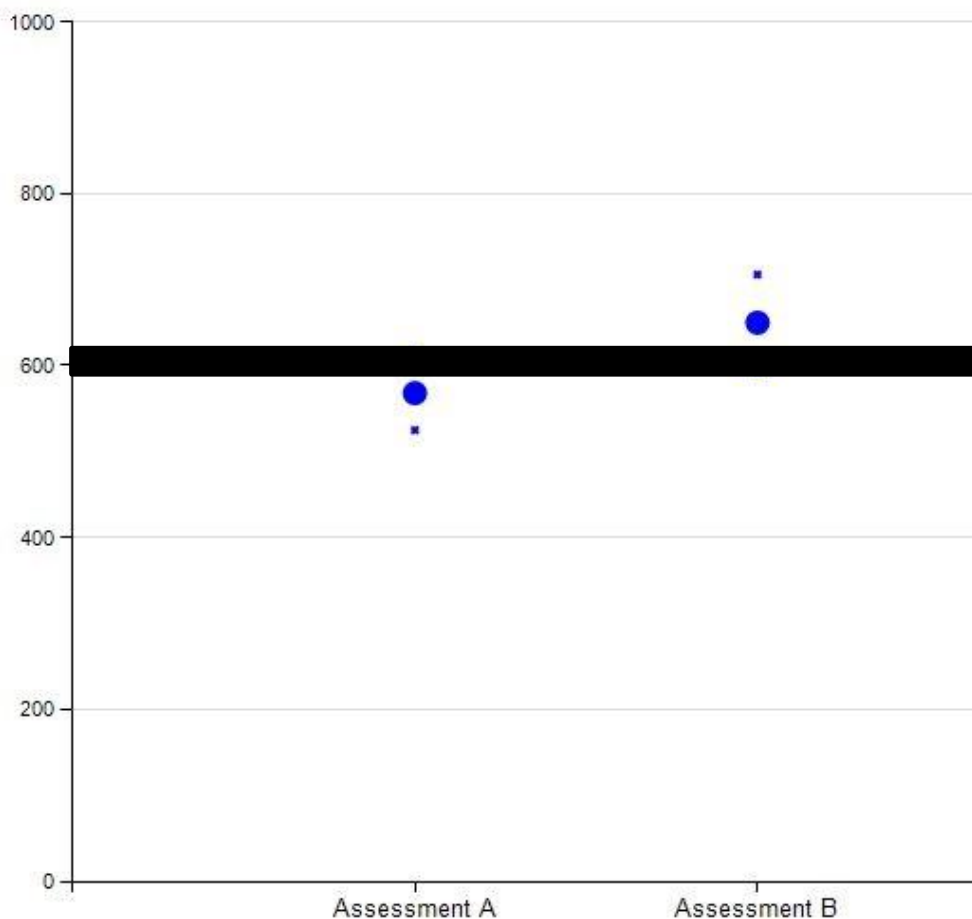
	Assessment A	Assessment B
Assessment Name		
Assessment Type	Snapshot	Snapshot
Assessment Strand	General Numeracy	General Numeracy
(Link to Report)	Link to Report	Link to Report
Start Date	07/05/2013 10:14:03	11/07/2013 10:16:39
Finish Date	07/05/2013 10:26:23	11/07/2013 10:37:44
Scale Score	406 +/- 38	518 +/- 40
Step	Step 2	Step 3

Gain Statistics

Gain	112
Gain Score Error (+/-)	55
Is Gain Significant?	Yes
Time Elapsed	9.3 weeks

Learner Progress Report, Numeracy

Scale Score



Achievement Statistics

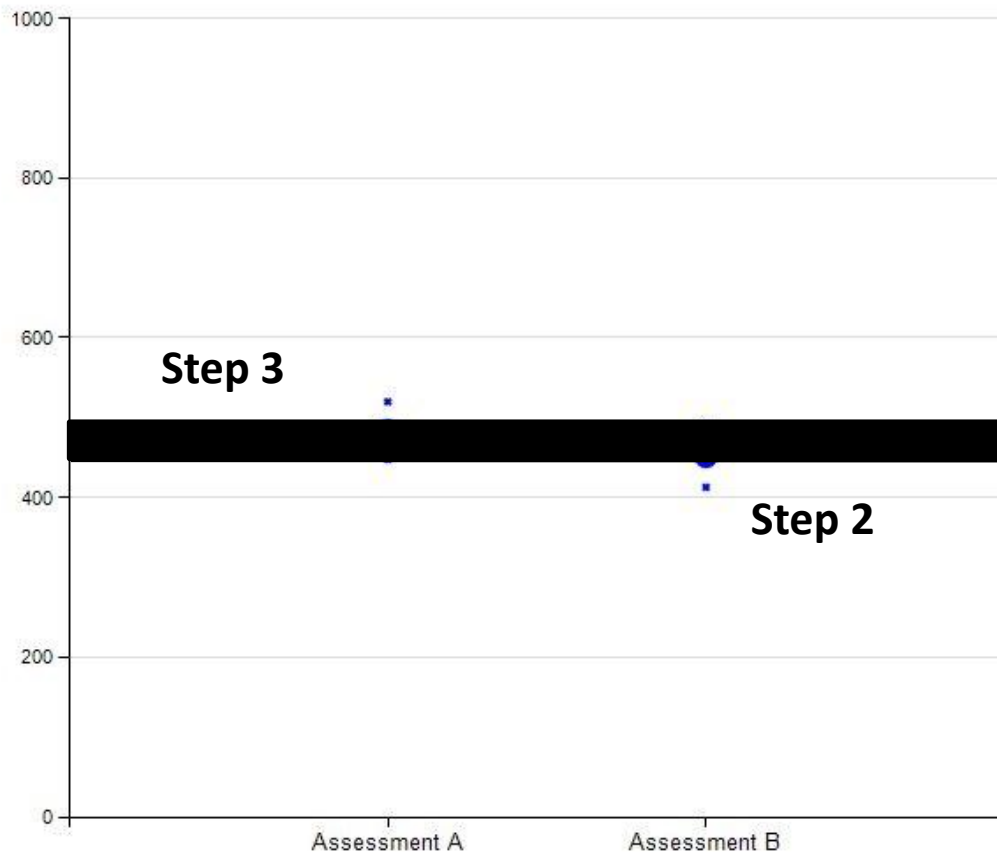
	Assessment A	Assessment B
Assessment Name	[Redacted]	
Assessment Type	Non-Adaptive Snapshot for Printing	Non-Adaptive Snapshot for Printing
Assessment Strand	General Numeracy	General Numeracy
(Link to Report)		
Start Date	22/04/2013	24/07/2013
Finish Date	N/A	N/A
Scale Score	568 +/- 43	650 +/- 56
Step	Step 4	Step 5

Gain Statistics

Gain	82
Gain Score Error (+/-)	71
Is Gain Significant?	No
Time Elapsed	13.3 weeks

Learner Progress Report, Numeracy

Scale Score



Achievement Statistics

	Assessment A	Assessment B
Assessment Name	[Redacted]	
Assessment Type	Snapshot	Snapshot
Assessment Strand	General Numeracy	General Numeracy
(Link to Report)	[Link]	[Link]
Start Date	05/06/2013 10:04:22	13/08/2013 09:24:57
Finish Date	05/06/2013 10:20:30	13/08/2013 09:36:50
Scale Score	484 +/- 36	451 +/- 38
Step	Step 3	Step 2

Gain Statistics

Gain	-33
Gain Score Error (+/-)	52
Is Gain Significant?	No
Time Elapsed	9.9 weeks

Data engine extracts

Available to Organisation Administrators only

1. All Assessment Results (Assessments Tab)
2. All Learner Assessment Results (Learners Tab)
3. Latest Learner Scale Scores (Learners Tab)