

**Centre for Medical and Health Sciences Education (CMHSE)**

**Research Seminar Series**

***Focus on methodology***

**Monday 8 May 2017, 12noon - 1.30pm**

**Room 503-028, Grafton Campus**

**Using Rasch analysis to increase the precision of self-report instruments**



**Associate Professor Chris Krägeloh**

**Department of Psychology, Auckland University of Technology (AUT)**

Self-report instruments provide an efficient way to collect information about psychological functioning. However, even when scales have demonstrated psychometric robustness, many summary scores can only be considered to be ordinal data. This is because the scores for some items shift more easily than others, with the effect that the scale does not necessarily assess changes uniformly throughout the whole continuum. I will illustrate the benefits of Rasch analysis in resolving these difficulties and increasing the precision of self-report instruments.

**Using Generalisability Theory to distinguish between state and trait in psychometric measurement**



**Oleg Medvedev, PhD Candidate (submitted)**

**Department of Psychology, Auckland University of Technology (AUT)**

To date, there is no reliable psychometric method to distinguish clearly between the important psychological measures of state and trait. Generalisability Theory can be successfully applied to distinguish between state and trait components in a measure, and it is recommended as the most appropriate psychometric method to validate state and trait measurement tools. I will demonstrate such an approach using data from a state mindfulness measure - the Toronto Mindfulness Scale. Generalisability analysis was conducted to examine sources of true and error variances in the measure.

**12noon – 12.30pm – light lunch and networking**  
**12.30 – 1.30pm – Seminar presentations**

**RSVP to Doreen Presnall [d.presnall@auckland.ac.nz](mailto:d.presnall@auckland.ac.nz)**

**If you are interested in presenting at one of our monthly seminars please email your idea to: [Craig Webster c.webster@auckland.ac.nz](mailto:c.webster@auckland.ac.nz)**