

5.2.3

Reliability and Validity

Reliability measures an assessment’s consistency over time and across raters. More specifically, reliability is “the proportion of ‘real’ information about a construct of interest captured by your measurement of it” (Landers, 2015, p. 1). For EPP-created assessments, a cycle of inter-rater reliability training is in place. Assessments are never perfect, so efforts are made to minimize measurement error and maximize the “real” information captured by the assessment. Measures of rater agreement are interested in the level of agreement that multiple raters have on a single participant. One method for calculating rater agreement is called adjacent agreement (Stemler & Tsai, 2008). With this method, pairs of raters are tallied, and the percentage who agree within 1 point on the scale are counted. This is one method of demonstrating an overall agreement between multiple raters on a single participant.

Validity measures how well an assessment measures what it intended to measure. Content validity refers to how well the test covers the breadth of the content it is testing on. The EPP demonstrates content validity by expert panel review.

Landers, R. N. (2015). Computing intraclass correlations (ICC) as estimates of interrater reliability in SPSS. *The Winnower*, 1-4.

Stemler, S. E., & Tsai, J. (2008). Chapter 3: Best practices in interrater reliability: Three common approaches. In J. Osborne (Ed.), *Best practices in quantitative methods* (pp. 29-49). Thousand Oaks, CA: SAGE.

Data – Validity and Reliability

Measurement	Is it Proprietary?	Is Validity Established?	Has there been Documented IRR Training?	Is it Aligned to Standards?
Case Study	N	N - Expert Panel Review underway Fall 18	Y	Y
Lesson Plan	N	N - Expert Panel Review underway Fall 18	Y	Y
Technology	N	Y	N - IRR Training in Fall 18	Y
Observation	Y		N - IRR Training in Winter 19	Y
Digital Self Study	Y		N - IRR Training in Winter 19	Y
Dispositions Block 1 and 3 - PPSSR	Y		N - IRR Training in Winter 19	Y
Exit Survey - Candidates	N			Y
1-5 year Completer Survey	N			Y
MTTC	Y			
Michigan Department of Education Exit survey (Candidate, University/P12 Clinical Educators)	Y			Y
Michigan Department of Education One year out survey	Y			Y

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Tentative IRR Training Schedule

Assessment	IRR Training
Technology	Fall 18
Observation/Digital Self-Study	Winter 19
Dispositions	Fall 19
Lesson Plan	Winter 20*
Case Study	Fall 20*
Technology	Winter 21*

* = recalibration