



Lesson 20: Research methods 7.6 Validity and reliability

Learning objective	To gain knowledge and understanding of reliability in research
Lesson objectives	By the end of the lesson, learners will be able to: <ul style="list-style-type: none"> • Define reliability, inter-rater and inter-observer reliability • Explain the difference between inter-rater and inter-observer reliability in novel scenarios
Vocabulary	<p>Reliability: consistency of procedure or measures used to collect data in research</p> <p>Inter-rater reliability: consistency and agreement between raters judging the same responses</p> <p>Inter-observer reliability: consistency and agreement between observers observing the same behaviours</p>
Previous learning	Learners have previously studied research methods, sampling and validity.

Plan

Activities	Resources
Beginning (5 mins)	Validity and reliability presentation: https://docs.google.com/presentation/d/1Cewbr8a83kNqT9blifpFDRILDJmkVWr8QpARGxf8fb8/edit?slide=id.g324ed1ba892_0_51#slide=id.g324ed1ba892_0_51
Middle (50 mins)	

Learners complete the starter activity identifying prior knowledge of reliability.

- Discuss individuals' responses to the starter activity, answering any questions and correcting any misunderstandings.
- Share the definition of reliability with learners and ask them to add it to their notes or glossaries.
- In pairs, learners can complete the activity on Slide 8 of the presentation. Discuss responses as a class.
- Share the definition of inter-rater and inter-observer reliability with learners and ask them to add it to their notes or glossaries.
- In pairs, learners can complete the activity on Slide 9 of the presentation. Discuss responses as a class.

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End (5 mins)

Learners can complete the plenary activity to check their understanding of reliability, mirroring the scaffolded activity on research methods from earlier in the lesson.

Reflection and evaluation

Reflection:

Summary evaluation:

What two things went really well? (Consider both teaching and learning.)

- 1.
- 2.

What two things would have improved the lesson? (Consider both teaching and learning.)

- 1.
- 2.

What have I learned from this lesson about the class or individuals that will inform my next lesson?

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