



Lesson 31: Research methods 7.9 Dealing with data

Learning objective	To gain knowledge and understanding of reaching conclusions and interpreting data
Lesson objectives	By the end of the lesson, learners will be able to: <ul style="list-style-type: none"> • Define what is meant by conclusion • Explain the difference between results and conclusions • Interpret conclusions from bar charts • Interpret conclusions from data tables
Vocabulary	Conclusion: interpretation of the patterns in data to make a reasoned decision about whether the results support the research aim
Previous learning	Learners know the difference between results and conclusions, and have studied measures of average, range, data tables, and bar charts.

Plan

Activities		Resources
Beginning (5 mins)	Learners complete the starter activity to refresh knowledge of results and conclusions.	
Middle (50 mins)	<ul style="list-style-type: none"> • Discuss the responses to the starter activity. Correct any misunderstandings. • Share the definition of conclusion and ask learners to add this to their notes or glossaries. Learners can complete the task identifying results and conclusions and self-assess responses. • Assign groups for learners to work in to complete the first novel scenario task. They can use the bar chart provided to answer the questions. Support groups with question and answer, checking responses for accuracy and clarity. • Groups can complete the second novel scenario task. They can use the data table provided to answer the questions. Support groups with question and answer, checking responses for accuracy and clarity. 	

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End (5 mins)

Learners can complete the peer assessment task to feedback on each other's work.

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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