Claim Limits, Ambiguity, and Validation

g12_u02_w08

Purpose and boundary

Evaluate original fictional evidence summaries for claim strength and missing checks. No sample, instrument, procedure, or real-substance identification is requested.

Targets: I can distinguish evidence from conclusion, name ambiguity, and choose a relevant supplied validation check. **Vocabulary:** validation, replicate, control, uncertainty, corroboration, overclaim. **Prerequisites:** formula constraints, pattern cards, candidate matrices.

Fictional File R contains formula, pattern, and candidate-card summaries. Its labels never establish a real identity, safety claim, or procedure.

1. What is an evidence-bounded claim?

2. What makes a claim an overclaim?

3. Why should a conclusion name the card(s) that support it?

4. Define ambiguity in an evidence comparison.

5. What does a replicate check help assess in a stated data model?

6. What does a control comparison help assess in a stated data model?

7. Why can a candidate remain plausible without being proved?

8. File R has two candidates fitting all supplied cards. What conclusion is justified?

9. Name one claim that is not justified by File R.

10. Why is a missing label different from evidence that a feature is absent?

11. A student writes: File R identifies Candidate A. Revise this into a cautious conclusion.

---

12. A card has one unexplained label. What should an honest conclusion do with it?

---

13. Why can a precise number still be uncertain or incomplete?

---

14. What is corroboration, and why is it useful?

---

15. What is confirmation bias in a candidate comparison?

---

16. Give one strategy that reduces confirmation bias in a paper matrix.

---

17. A candidate fits every supplied card except one. What should happen to the conflict?

---

18. Name one additional supplied evidence card that could distinguish two candidates.

---

19. Write a one-sentence validity statement and a one-sentence limitation statement for File R.

---

20. Write a two-sentence final report that avoids identity, procedure, safety, and real-world claims.
