

Solutions

2.1 Answer: A. The same participants are measured across time. The other options do not satisfy the stated defining conditions.

2.2 Answer: A. Historical exposure differs with generation. Compare the exact process, design or evidence, rather than an associated keyword.

2.3 Use the worked case evidence to support a bounded claim and explain why a causal, universal or stronger claim needs additional evidence. The claim must fit the specific design and observed process.

3.1 This is cross-sectional. Cohort, schooling or selection differences can accompany age. A longitudinal study follows the same participants and estimates within-person change, but selective attrition and practice effects remain. A sequential design can combine cohorts and repeated measurement; no label alone removes bias. Award B1 each (authored) for the interpretation, its reasoning, a relevant limitation/alternative and an appropriate check, up to four points. Accept a different justified answer satisfying these demands.