

Solutions

2.1 Answer: A. Repeatability alone does not establish accuracy or construct fit. The other options do not satisfy the stated defining conditions.

2.2 Answer: A. It balances group differences in expectation. 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 Under the specified null model and assumptions, the probability of results at least as extreme as the observed result is .03. It is not a posterior probability for the theory. Effect size and uncertainty must be reported separately; even a small effect can have a small p-value in a large sample. Design bias is not removed by significance. 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.