

94 Ph.D. Qualify Exam (Subject: Research Methods)

Four hours, closed book

1. Under what kind of conditions would you recommend:
(a) A probability sample? A non-probability sample? (10%)
(b) A simple random sample? A cluster sample? A Stratified sample?
A systematic sample? (20%)
2. What are the essential difference among nominal, ordinal, interval, and ratio scales? (10%)? How do these differences affect the statistical analysis techniques we can use? (10%)
3. Distinguish among response error, interviewer error, and non-response error. (10%)
4. Distinguish among Pre-experimental design, Quasi-experimental design, and Pure experiment design (10%)
5. Analyze the following interview statement, in terms of open coding (coding lists) (10%), axial coding (10%), to produce possible propositions (10%).