

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

Four hours, closed book

1. Under what kind of conditions would you recommend:
 - (a) Simple random sampling?
Cluster random sampling?
Stratified random sampling?
Systematic random sampling? (8%)
 - (b) Moderated variable?
Mediated variable?
Covariate variable (12%)
2. Discuss the relative merits of the following paradigm:
 - (a) Positivism? (5%)
 - (b) Hermeneutics? (5%)
 - © Structuralism? (5%)
3. Many forms of non-response testing are mentioned in the research literature, please list four types of them? How to measure in each of them? (15%)
4. Please criticize the attached paper ("Identifying key factors affecting transnational knowledge transfer) from the following perspectives and provide the suggestions for your claims, respectively:
 - (a) Scaling design (4%)
 - (b) Sampling method (4%)
 - (c) Research Framework of Figure 1 (6%)
 - (d) Validity and reliability (6%)
5. Analyze the following interview statement provided by four informants (on-line game players), in terms of **open coding** (coding lists or book) (10%), **axial coding** (10%), to produce possible **propositions** (10%).