

Psyc 201 Exam I Review Guide  
Fall 2005

This exam covers chapter 3 & 5 of the Cosby book and chapters 13 from Schacht & Aspelmeier. Be sure you are familiar with the following:

1. Quantitative vs Qualitative Observational Data
2. Observational Measurements vs Observational Research Designs
3. Reactance - definition, causes, and solutions
4. Methodological Validities - Internal, External [to pop, to setting (Realism: mundane, ecological, and experimental)]
5. The different types of Observational Designs (Naturalistic, Structured, Field Experiment, and Case Studies).
6. The strengths and weaknesses of each Observational Design, including issues of Methodological Validities.
7. Inter-Rater Reliability and Observer Bias
8. At Risk, Minimal Risk & Sources/Types of Risk
9. IRB committees
10. Informed Consent and its parts
11. Deception
12. Risk Benefits Ratio
13. The Belmont Report
14. The Nuremberg Code
15. APA Guidelines
16. DHHS Guidelines
17. Debriefing
18. What does Chi-Square Tell us
19. Goodness of fit vs Pearson's Chi Square
20. Type of data used for each Chi Square
21. Sum of (O-E) = ?
22. Sum of O = ?
23. Sum of E = ?
24. Find  $df$  for each type of Chi Square.
25.  $V$  and  $V^2$
26. Cohen's Standards for evaluating effect size.
27. The Null and Research Hypotheses for chi square.
28. What is the relationship between sample size and significance.
29. Be able to read the SPSS output for Goodness of fit and Pearson's Chi Square
30. Be able to do the hand calculations for Goodness of fit and Pearson's Chi square just like you were asked to do in the chi square homework.