

Psyc 402 - Final Exam Study Guide

- 50 questions total, multiple choice, closed notes. (I will provide a Green Scantron)
- Five Sections:
 - Fundamentals
 - Relationships
 - Reliability & Validity
 - IQ & Controversy
 - Mis-use of Testing
- Roughly 10 questions per section

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Fundamentals (one variable)

- Descriptive Statistics (Ch.2)
 - histogram / frequency distribution
 - central tendency (mean...)
 - variation (variance, standard deviation)
 - the Normal Curve
 - Standard Scores (Z, IQ, T)

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Relationships (two variables)

- Linear regression & Correlation (Ch.3)
 - Scatterplots
 - Linear Regression
 - residuals
 - Correlation
 - R, R², P-value

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Reliability & Validity

- Reliability (Ch.4)
 - definition & meaning
 - test-retest, parallel-forms, internal consistency, inter-observer
 - how to increase reliability
- Validity (Ch.5)
 - face, content, criterion, construct
 - convergent & divergent
 - Constructs
 - definition of, problems measuring

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IQ

- IQ Tests (Ch.9)
 - Goals of early IQ tests
 - # of factors: 1(g) ... 8 (Multiple Intelligences)
 - clinical conditions (autism, savantism)
- Controversy (Ch.19)
 - Race, Ethnicity & DNA
 - Gender & IQ
 - Race & IQ
 - *The Bell Curve* (book) -
 - key arguments for & against
 - Within-group vs. Between-group variance

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Mis-use of testing

- Testing used improperly
 - Lie Detector Tests (Ch.7)
 - The low-base-rate/false-positive paradox (Ch. 7)
 - IQ tests (Ch.9, Ch.19)
 - (Also refer to Gould readings)
 - Rorschach (Ch.14)

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