

Psyc 402 - Midterm 1 Study Guide

- 50 questions total, multiple choice, 50 minute time limit
- Topics:
 - K01 - History / Background (10 questions)
 - K02 - Descriptives (20 questions)
 - K03 - Linear Regression & Correlation (15 questions)
 - G01 & G02 - Mismeasure of Man (about 5 questions)

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Exam Format

- See the class website for:
 - Schedule / Deadline
- Format: The exam is similar to the weekly quizzes, but has important differences...
 - time limit
 - no hints or feedback
 - random question selection
 - no going backwards
 - etc...

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Background / History (Ch 1)

- Psychological tests: Definitions and pros/cons
- Test domains
- History (Ancient, 18th-20th centuries)
- *Mismeasure of Man*: associated readings

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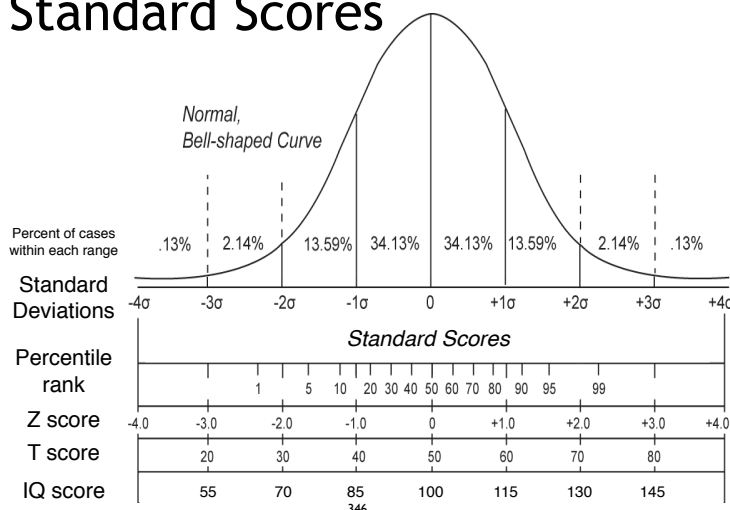
Descriptive Statistics (Ch. 2)

- quantitative & qualitative measures
- histogram / frequency distribution
- central tendency (mean...)
- variation (SSR, variance, standard deviation)
- the Normal Curve
- Standard Scores (Rank, Percentile Rank, Z, IQ, T)
- LLN and CLT
- Fallacies
- *Mismeasure of Man*: associated readings

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Standard Scores



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Standard Scores: Z, T, IQ

	Z scores	T scores	IQ scores
Mean	0	50	100
SD	1	10	15
Example: top 3%	1.9		
Example: top 1%	2.4		
Formula to convert from Z Score	Z	$(Z \times 10) + 50$	$(Z \times 15) + 100$

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Linear regression & Correlation (Ch.3)

- Anecdotal relationships
- Simple Analyses: 2x2 / Chi Square
- Scatterplots
- Linear Regression
 - equation, residuals, SSR, R^2
 - issues/problems
- Correlation
 - R , R^2 , P-value
- DNA / Race review