

Psyc 402 - Midterm 1 Study Guide

- Format:
 - Green Scantron
 - I will provide - please just bring #2 pencil*
 - closed notes / no text / no calculators
 - 60 minutes, 50 questions, worth 100 points
- 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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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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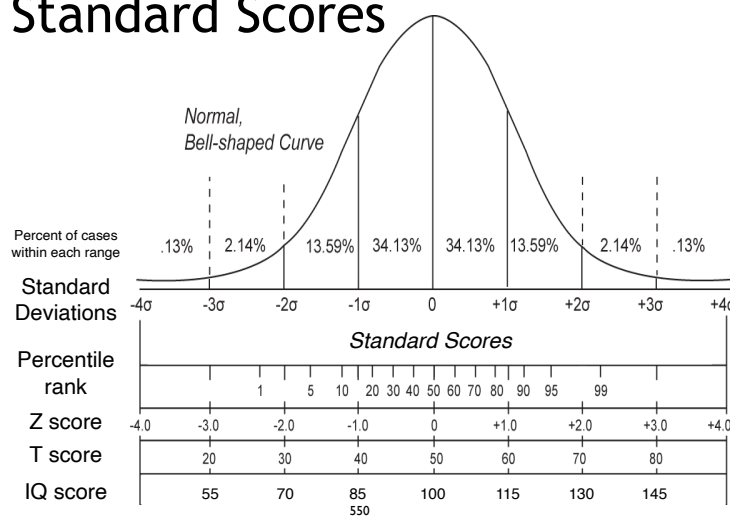
Descriptive Statistics (Ch. 2)

- 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

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