

Discussions

Introduction

theory of measurement
theory of induction



Theory of measurement

Test Theory / Psychometrics

Measure/ score = True score + error variance

True variance vs Reliability

Validity / conceptual adequacy, "construct"

Reliability score measure

Theory of induction

Uses of testing

Diagnostic program (construct) achieved

instructive programs

certification / accreditation → privileges

Social constraints

Politics, economic, institutions

- Resource constraints
- Institutional inertia
- Ethical / moral considerations
- "What's best for the child?"

X context
* power
* accessibility

Reliability / Validity

→ difference items → (same system)
discards items → (same system)
reliable scores

→ consistency (reliable)
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British path

American path

(consideration of 'g')

Generalizability of Δ remains in mind

Objective "measures", independent of test-takers
Then Response Theory
How - "What's best for the child?"
• Multilevel analyses

Written - discrete points
Written - discrete points
Written - discrete points