

Chapter 15: Intelligence-Its Nature and Measurement

Mental Tests

statistics
frequency distribution
mean
median
variability
normal curve
covariation
correlation
scatter diagram
correlation coefficient
reliability
test-retest method
reliability coefficients
validity
predictive validity
construct validity
norms

standardization sample

Intelligence Testing

mental age (MA)
chronological age (CA)
deviation IQ
neuropsychological assessment

What is Intelligence? the Psychometric Approach

psychometric approach
correlation matrix
factor analysis
general intelligence (g)
group factors
fluid intelligence
crystallized intelligence

What is Intelligence? The Information-Processing Approach

simple reaction time
choice reaction time
lexical decision task
cognitive components
active-span tasks

What is Intelligence? Beyond IQ

practical intelligence
analytic intelligence
creative intelligence
tacit knowledge
multiple intelligences
savants

Nature, Nurture, and Intelligence

phenotype
genotype
phenylketonuria (PKU)
phenylalanine
amino acids
polygenic inheritance

identical twins

fraternal twins

Flynn effect

heritability ratio (H)