

THE DETERMINANTS OF BEHAVIOR - I, II

I. Explanations

1. Function of an Explanation
 - A. Prediction & Control
 - B. Understanding/Integration
2. Types of Explanations
 - A. Analogy
 - B. Nonobservable Internal State
 - C. Reductionism
 - D. Antecedent Conditions
3. Molar-Molecular Explanations
4. The Search for Antecedent Conditions
5. Biological Variability
 - Probability Statements
 - Total Knowledge
 - If...Then Statements

Genetics Early Experiences Life Space Learning Expectancies
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II. Framework for Classifying the Antecedent Conditions which Determine Behavior, Thoughts, Feelings

1. The Peanut Butter Theory of Behavior, an Overview
 - A. Genetics
 - B. Early Experience
 - C. Life Space
 - D. Learning
 - E. Expectancies

III. Genetics: Basic Limit Setter

1. Nature-Nurture and 10th Grade Biology
 - A. Mendel
 - B. Chromosomes and Genes; the Genome
2. Heredity as a Limit Setter
 - A. On Potential
 - B. On Rate to Achieve Potential
3.
 - A. As Go Up Phylogenetic Scale, the Behavioral Specificity of Heredity Decreases
 - B. If Can Assume or Assure a Constant Environment, Then Can Make Behavioral Predictions on Basis of Heredity.

4. Heritability and the Heritability Index
 - A. Japan's "McDonald's Generation"
 - B. Intelligence and Socioeconomic Level
5. Armadillos
6. Muscle Twitches and Gold Medals

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IV. Early Experience

1. Critical Period Concept: Sex; Stress and Learning
2. Reneé Spitz and Human Infants; Harry Harlow and Baby Rhesus Monkeys; Seymour Levine and Rat Pups
3. Enriched Environments and Deprived Environments: Behavior and The Brain; Stimulation and Growth

V. Life Space -- The Range of Behaviors Possible; Determines Options and Opportunities, and Stresses

1. Aspects: Time Period; Geographical Location; Age; Sex; Race; Self-Concept
2. The Design of Environments
 - A. Physical vs Psychological: e.g., Crowding
 - B. Encouraging Certain Behaviors
 - B. Slowing Certain Behaviors
3. Apartment Buildings and Corridors
4. Matching Press of the Environment with the needs of the Individual
 - A. Football and Life

VI. Learning - Determines Specific Behaviors

1. Behavior: Controlled By Its Consequences
2. The Law of Effect, Thorndike
3. Pragmatism and Grandma's First Law

VII. Expectancies

1. The "Pull" From the "Future"
2. Locus of Control -- Rotter
Internal/External
3. Perceived Control
4. Pygmalion Effect; Goethe