

## Theories That Incorporate Multiple Types of Intelligence



### ▶ Gardner

- Intelligence is the ability to solve problems in a given environment
- Types of Intelligence:
  - Linguistic
  - Musical
  - Logical/Mathematical
  - Spatial
  - Bodily/Kinesthetic
  - Intrapersonal
  - Interpersonal
  - Nature
  - Spiritual
  - Existential

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## Theories That Incorporate Multiple Types of Intelligence



### ▶ Sternberg

- Has a well-developed theory of intelligence
- *Successful intelligence is the ability to succeed in life according to your own definition of success within your sociocultural context by capitalizing on your strengths and correcting or compensating for your weaknesses—and doing this through a combination of analytical, creative, and practical skills in order to adapt to, shape, and select environment.* (Sternberg, 2003, p.5)

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## Theories That Incorporate Multiple Types of Intelligence



- Analytic intelligence
- Creative intelligence
- Practical intelligence
- When we solve problems, **metacomponents** (higher order processes) decide what to do
- Intelligence is culturally bound

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## Evaluation of the Factorial Approach



### ▶ Snap Shot Factors

- Factor theories are snapshots of intelligence
- Developmental considerations
  - Number of factors changes with age
  - The relevance (or weight) of factors changes with age
  - Absolute level of intelligence increases with age
    - With the exception, generally, of Performance skills
  - Correlations decline across the lifespan
  - Fluid and Crystallized intelligence

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## Parting Thought



### ▶ Where are we today?

- There are a number of good intelligence tests today:
  - Wechsler
  - Stanford-Binet
  - Kaufman
  - UNIT
- We know a lot about what intelligence is and what it does.
- Caught between neuropsychologists and educators

### ▶ Is this a good place to be?

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