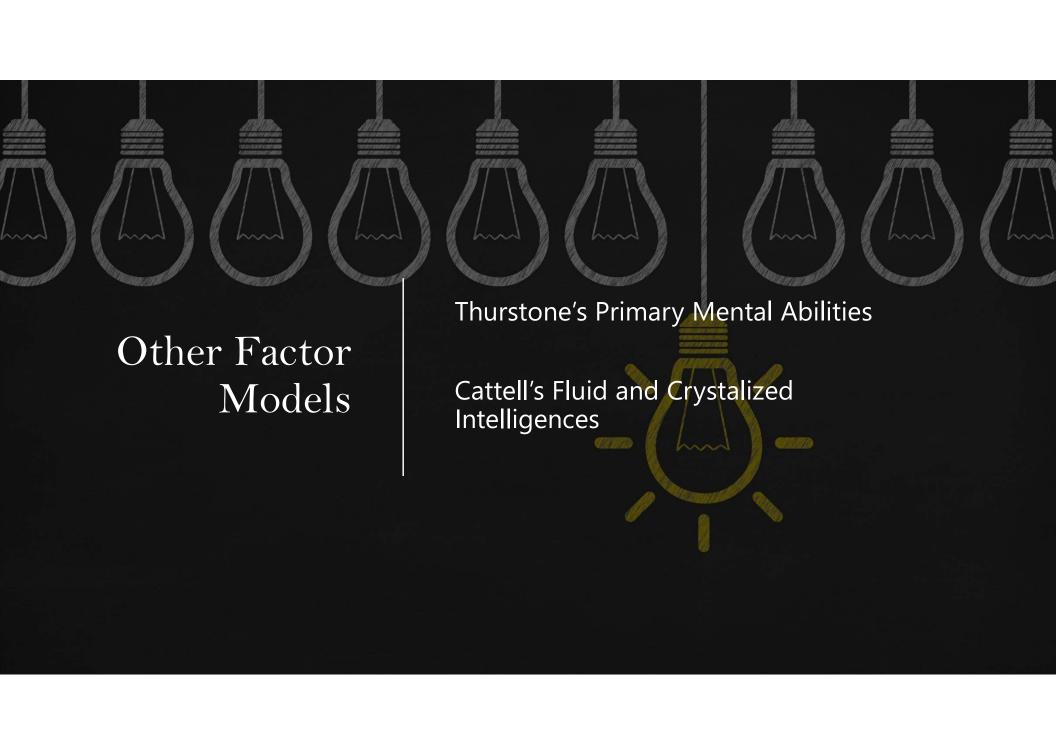
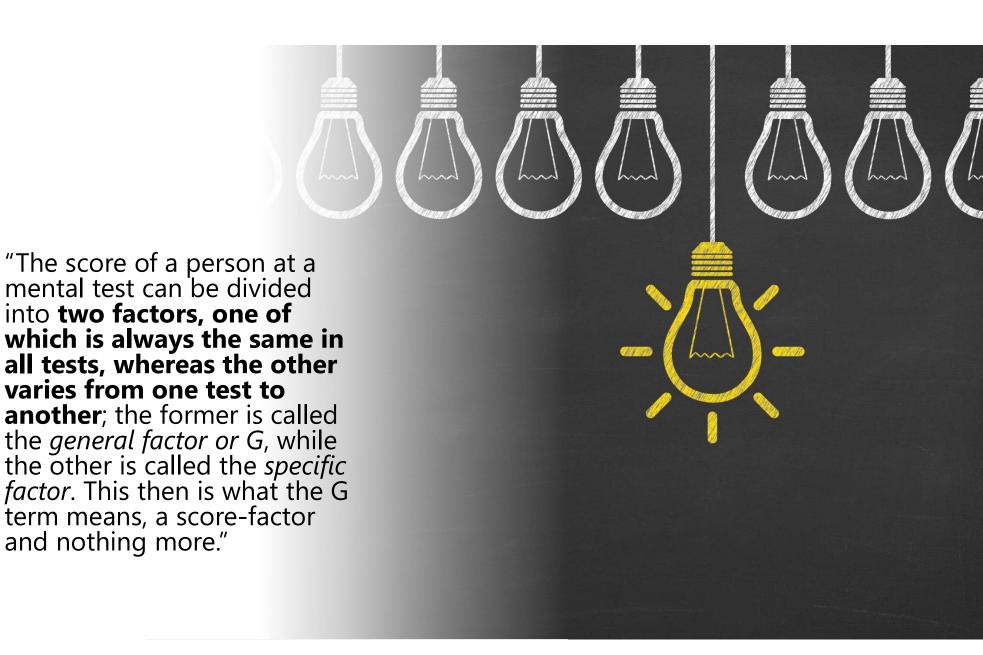


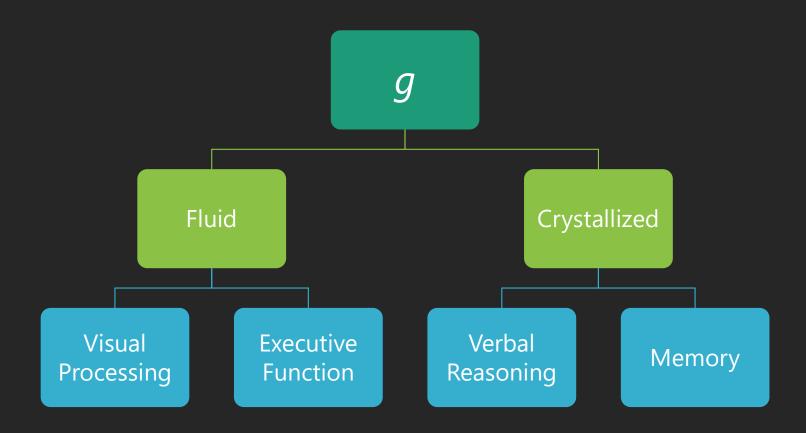
Spearman's g

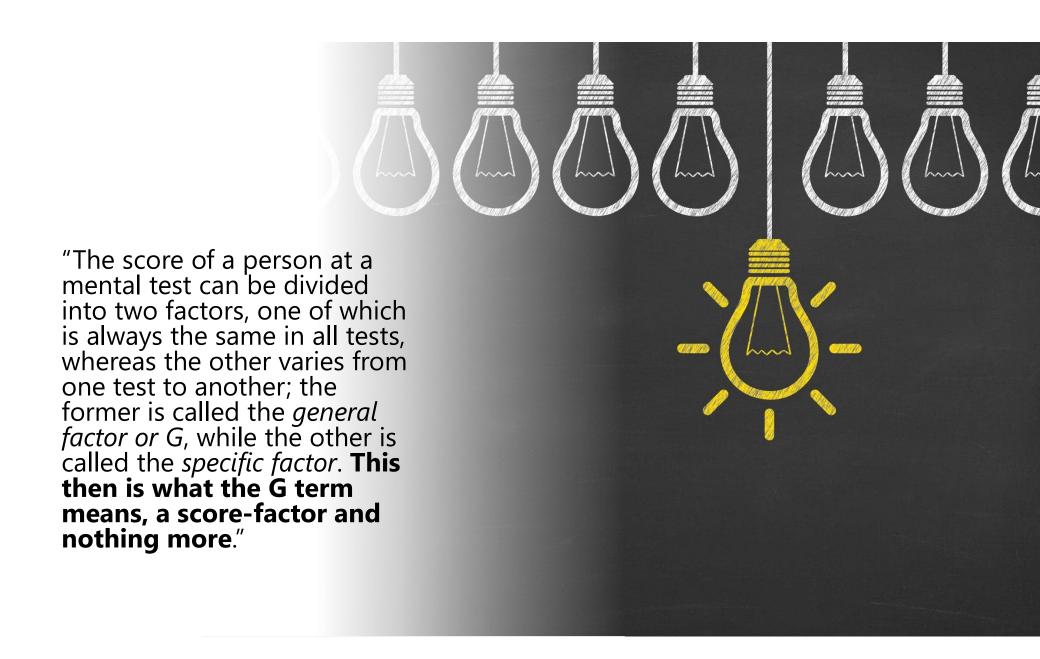
Found patterns of correlation between tests of various mental abilities
Used **Factor Analysis** to summarize shared correlations between tests and found that tests shared underlying general factor of intelligence





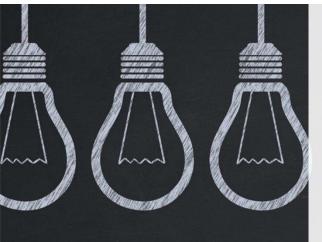
Hierarchical Approach





Information Processing Approach

- A cognitive/behavioral rather than statistical solution
- How do we encode information, plan and solve problems?
- Where is *g*?
- Sternburg's Triarchic Theory
- Gardner's Multiple Intelligences



Assumptions of Modern Intelligence Tests

9

Scores are stable over time

Scores predicts things related to intelligence

Intelligence is heritable *and also* highly influenced by environmental factors

Why Do Clinical Psychologists Care About Intelligence?

Carrot is a 9-year-old boy in 4th grade. His parents are concerned by comments from his teachers that he is struggling in school. He has trouble understanding the teacher's directions and often has to have concepts explained to him multiple times. He will also often be distracted or give up quickly on activities and go play with toys. He rarely speaks up in class and seems to have few friends. Carrot's grades were average in earlier years, but he now has trouble particularly with reading and mathematics. Carrot's parents are also concerned that he often refuses to try new activities or eat different kinds of foods.

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Why Do Clinical Psychologists Care About Intelligence?

Deviation from baseline

Brain disease or injury

Deviation from norms

- Age or grade
- Intellectual or Learning Disability

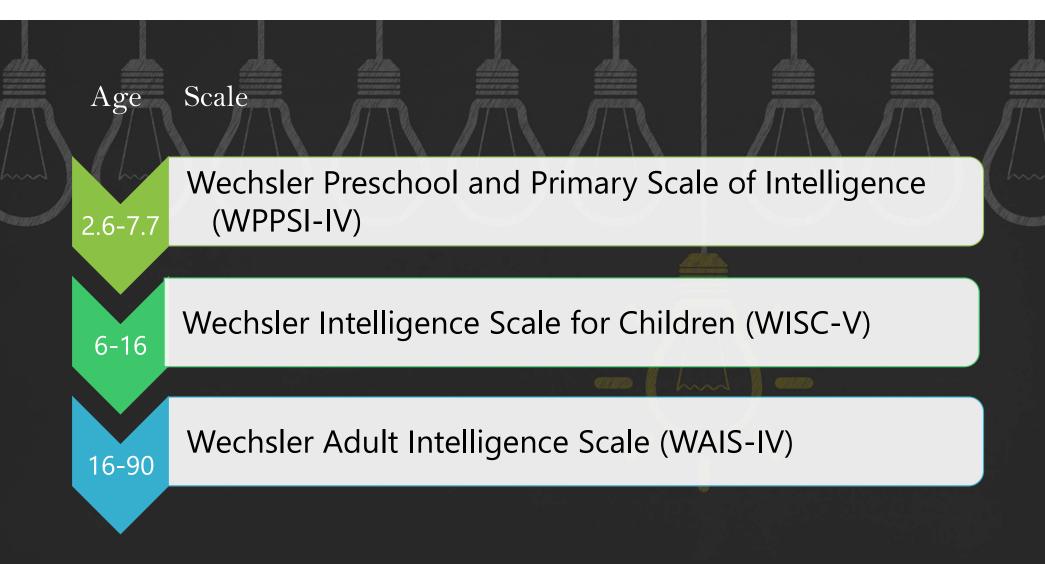
Wechsler Intelligence Scales

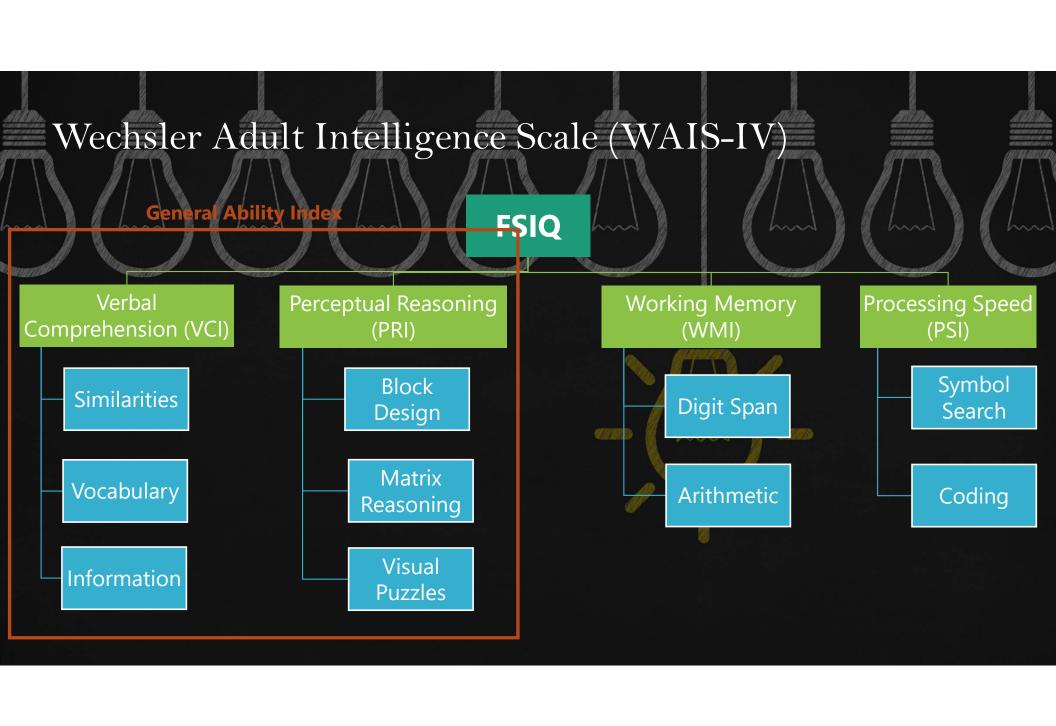
Wechsler-Bellevue Intelligence Scale (1939)
Sought to improve on the Stanford-Binet and Army tests

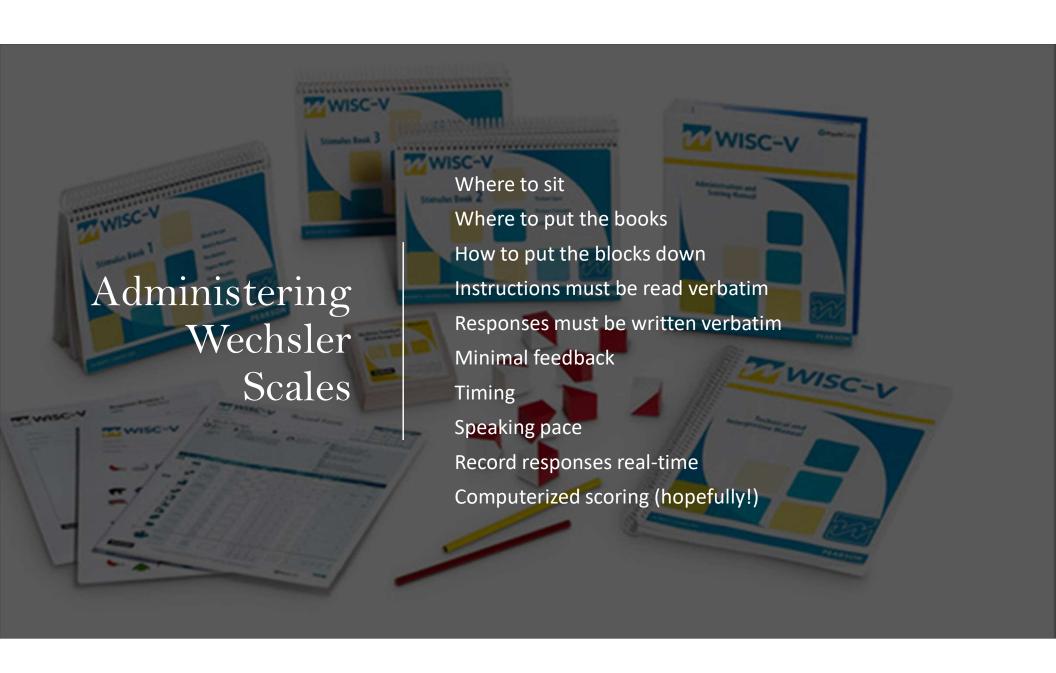
- Assess across lifespan
- Increase clinical utility
- Standardize scores
- Use a test battery
- Assess non-verbal performance
- Reduce reliance on processing speed

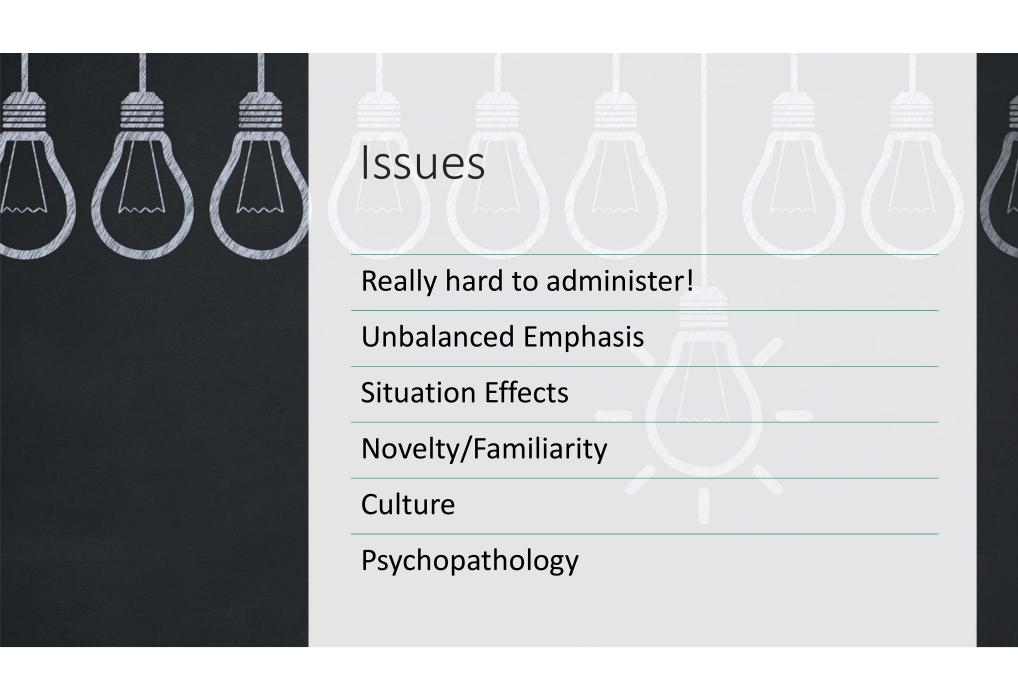


David Wechsler, bow-tie enthusiast









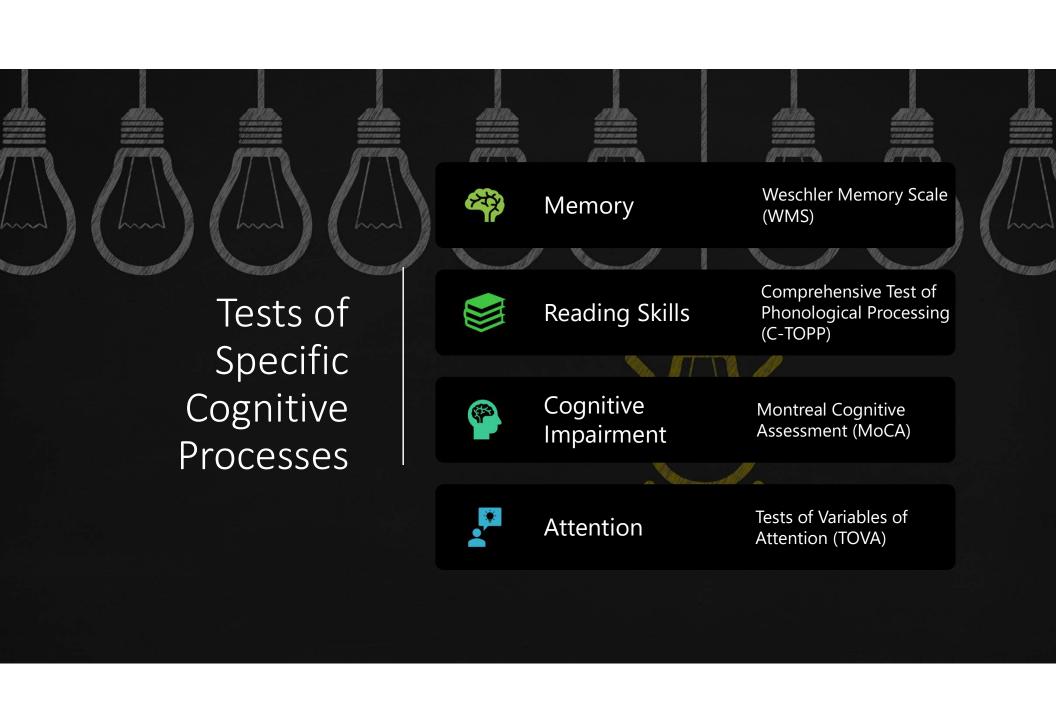
Wechsler Individual Achievement Test (WIAT-III)

Often used to assess if achievement is in line with others at the same grade level

Differential diagnosis based on comparison to cognitive assessment

- Learning Disability: average cognitive ability but poor achievement in specific areas
- Intellectual Disability: poor achievement related to poor cognitive abilities







Assessment Batteries

- Cognitive Assessment (WAIS/WISC/WPPSI)
- Achievement Tests (WIAT)
- Specific Tests
- Informant/Self-Report Questionnaires
- Report Card/Medical History Review
- Behavioral Observation
- Clinical Interview
- Integrated Assessment Report

