

PSYC332 ~ Principles of Psychological Assessment

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LECUTRE 9: ASSESSMENT OF INTELLIGENCE PART I

What is Intelligence? (*Expert Opinion 1921*)

Power of good responses from the point of view of truth of fact ~ (*E.L. Thorndike*)

The ability to carry on abstract thinking ~ (*L.M. Terman*)

The ability to adjust oneself to the environment ~ (*S.S. Colvin*)

The ability to adopt oneself to new situations in life ~ (*R. Pinter*)

The capacity for knowledge and knowledge possessed ~ (*V.A.C. Henmon*)

A biological mechanism by which the effects of a complexity of stimuli are brought together and given a sort of unified behaviour ~ (*J. Peterson*)

The capacity to redefine the inhibited adjustment in the light of mentally experienced trial and error ... to the advantage of the individual as a social animal ~ (*L.L. Thurstone*)

The capacity to acquire capacity ~ (*H. Woodrow*)

The capacity to profit by experience ~ (*W.F. Dearborn*)

What is Intelligence? (*Expert Opinion 1981*)

- Verbal Intelligence
 - General Learning and comprehension
 - Good vocabulary
 - Reads with high comprehension
 - Is intellectually curious
- Problem Solving Ability
 - Abstract thinking or reasoning
 - Can apply knowledge to tasks at hand
 - Plans ahead
 - Solves problems well
- Practical Intelligence
 - Real-world adaptive behaviours
 - Sizes-up situations well
 - Determines how to achieve goals
 - Displays awareness of the world

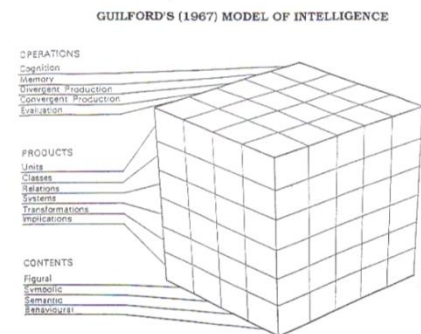
Lumpers ~ *Charles Spearman* “G”

He came up with first of the modern theories, (non-technical name) known as the lumpers. He believed that intelligence is one big lump of mental energy, it is a single unitary factor of “G” (General

Intelligent). The model looks like a ball with the letter G written in it with smaller “S”s coming out of it. These “S”s stand for specific ability. He believed you were born with an overall capacity to learn and this overall capacity to learn was something that guided your every cognitive endeavour. As a mathematician not psychologist, he came up with factor analysis. When he came up with positive manifold, all these cognitive tests correlated with each other he found positive manifold.

Splitters ~ Guilford 1967

Splitters are the opposites of lumpers where they say that intelligence is not but a series of completely independent and uncorrelated abilities. Guilford says there's 120 of these abilities that are completely and totally unrelated to each other. Guilford says you can take every single cognitive task that a person does and can break them down in terms of their content, in terms of their operation and the outcome of their task.



Thurstone's Primary Abilities

- V: Verbal comprehension and meaning
 - What does the word delineate mean?
- W: Word fluency
 - How many words can be made from the letters (G-E-N-E-R-A-T-I-O-N)
- N: Number facility
 - Simple maths (What is 7×12)
- S: Space
 - Are there two items the same or mirror images
- M: Memory
 - Repeat these numbers forward and backwards
- P: Perceptual speed
 - Quickly grasp similarities & differences
- I: Induction
 - Finding a rule or principal
- Use of an instructed task – a task that permits an unlimited variety of possible responses
- Use disguised testing procedures
- Characterised by a global approach to the assessment of personality
- Regarded as effective in revealing covert or unconscious aspects of personality
- Primarily used as a clinical tool

Supposed Advantages of Projective Techniques Over Self-Report Tests

- Capacity to bypass or circumvent the conscious defences of respondents