







Core Group Di	scussion 🛨 Deeper Learning			
 Coach – Help the group decide what to do Organizer – Have your group discuss the case of Manuel Recorder – Keep notes and speak for the group Energizer – Focus the group! 				
	COACHI Hum Reporter Nire conegue Rathy Coachi			

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- 1. Why are we here?
- 2. What did we discover?
- 3. What solution did we create?

Dina and Kim to discuss what they saw as Gifted Coordinators

One Definition of Gifted & Talented

- · "Giftedness designates the possession and use of untrained and spontaneously expressed natural abilities (called aptitudes or gifts), in at least one ability domain (e.g. intellectual, creative, socio-affective, perceptual/motor, and 'others')..."
- "By contrast, 'talent' designates the superior mastery of systematically developed abilities (or skills) and knowledge in at least one field of human activity."



Francois Gagné

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Bright Child Gifted Child

Completes the assignments Initiates projects

Knows the answer Asks questions Is interested Is highly curious Works hard Plays around, yet tests well Answers the questions Discusses in detail, elaborates Top of the group Beyond the group

Learns with ease Already knows
Understands ideas Constructs abstractions 6-8 Repetitions for mastery
Grasps the meaning
Grasps the meaning
Grasps the meaning
Draws inferences Is receptive Is intense
Copies accurately Creates a new design

Enjoys straightforward, sequential learning Thrives on complexity

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- · Creatively gifted people

- Creatively glited people
 Gifted Perfectionists
 Highly and profoundly gifted
 Culturally & linguistically diverse gifted students
 Twice-exceptional gifted students
- Non-productive gifted students
- High ability / high achieving students



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Did you know...

- •The origin of the most widely used intelligence tests?
- That the most widely used group and individual intelligence tests measure vocabulary knowledge and include Arithmetic word problems like those found on achievement tests?
- •Does that feel right?

Traditional IQ and Achievement Tests

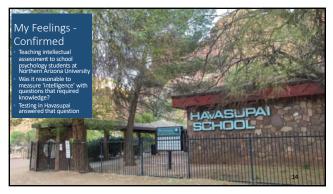
- Working as a school psychologist in 1975 I noticed that items on the WISC we were VERY similar to parts of the achievement tests
 - The Peabody Individual Achievement
 Test (1970) had a General Information
 and Arithmetic subtests JUST LIKE THE
 WISC!

 - THAT DID NOT MAKE SENSE
 In 1977 → UGA for Ph.D. With Alan Kaufman who said VIQ=achievement

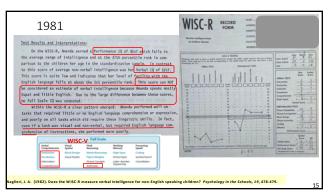


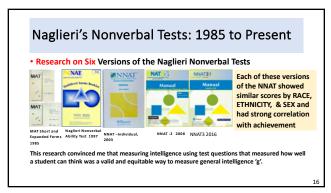
1975 Charles Champagne Elementary, Bethpage, NY

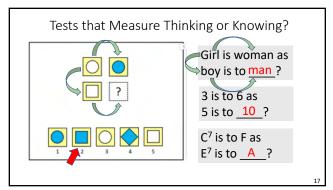
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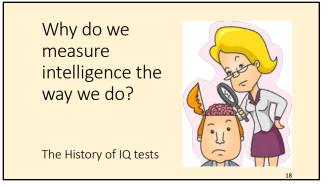


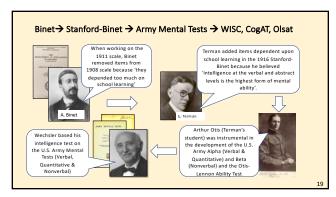
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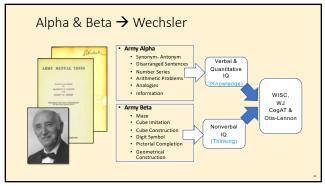












Wechsler's View of General ability Wechsler "believed that his Verbal and Performance Scales represented different ways to access g (general ability)", but he never believed [in verbal and] nonverbal intelligence as being separate from g. Rather he saw the Performance Scale as the most sensible way to measure the general intelligence of people with ... limited proficiency in English. (Kaufman, 2008)

CONCEPT OF GENERAL INTELLIGENCE 61
The Criteria of a Test of Intelligence. Influenced
table by the theoretical discussion of general intelligence
and by the empirical work of testing, we have arrived
at certain requirements for a good test of intelligence,
which we may discuss under the four following headings:
1. Testis such be relatively save. — A good intelligence
test must avoid as much as possible anything that is
summonly learned by the subjects tested. It a breast
sign and intelligence in the test of intelligence
table, because those children who have reached the
summing that it commonly isquit in school is not desurfaced this fact, whereas other children of equal
general relations of the common of the common of the common
agreed intelligence may have had no opportunity to
learn this same fact, simply because they may not have
translated the strength of the common of the common
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Pintner (Intelligence Testing, 1923)

 This is a social justice issue for those from disadvantaged communities and those with limited education



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Woodcock-Johnson Cognitive & Achievement Tests (CHC) Very Similar Cognitive: Oral Vocabulary #1 Cognitive: Test #17B Reading subtest has a question like this: Tell me another work for Vocabulary-Antonyms subtest has a question like this: Tell Items on "Different" me the opposite of up hot. Tests Correct: Warm Correct: down Achievement: Reading Achievement Test #1C Verbal Vocabulary subtest #17 has a Comprehension-Antonyms has a question like this: Tell question like this: Tell me another work for Warm. me the opposite of down. Correct: Hot Correct: up

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Knowledge is Included in "Ability" Tests Stanford-Binet-5 WISC-V WJ-IV KABC-II OLSAT CogAT • Comprehension
Knowledge:
Vocabulary &
General
Information
• Fluid Reasoning:
Number Series &
Concept
Formation
• Auditory Verbal
Knowledge
Quantitative
Reasoning
Vocabulary
Verbal
Analogies • Knowledge / GC • Riddles, • Expressive Vocabulary, • Verbal Knowledge • Verbal • Verbal Scale Verbal
 Following directions
 Verbal Reasoning
 Quantitative
 Verbal Arithmetic Reasoning Verbal Scale
 Analogies
 Sentence
 Completion
 Verbal
 Classification
 Quantitative
 45 pages of oral
 instructions Verbal
 Comprehension
 Vocabulary,
 Similarities,
 Information &
 Comprehension
 Fluid Reasoning
 Figure Weights,
 Arithmetic Auditory Processing: Phonological Processing



What is the Practical Impact of intelligence tests that are confounded by knowledge?

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APA Apology for Promoting Racism

 'APA recognizes the roles of psychology in promoting...racism, and the harms that have been inflicted on communities of color ... and the ways measurement of intelligence has been systematically used to create the ideology of White supremacy'

•Throughout the 1900s prominent psychologists involved in IQ test development supported eugenics

Psychology ... helped to create, express, and sustain them, continues to bear their indelible imprint, and often continues to publish research that conforms with White racial hierarchy



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National Survey of Gifted Education | Which of the following assessment does your district use to the supply of the following assessment does your district use to the supply of the following assessment does your district use to the supply of the following assessment does your district use to the supply of the following assessment does your district use to the supply of the following assessment does your district use to the supply of the following assessment does your district use to the supply of the following assessment does your district use to the supply of the following assessment does your district use to the supply of the following assessment does your district use to the supply of the following assessment does your district use to the supply of the following assessment does your district use to the supply of the following assessment does your district use to the supply of the following assessment does your district use to the supply of the following assessment does your district use to the supply of the following assessment does not provide a supply of the following assessment does not provide a supply of the following assessment does not provide a supply of the following assessment does not provide a supply of the following assessment does not provide a supply of the following assessment does not provide a supply of the following assessment does not provide a supply of the following assessment does not provide a supply of the following assessment does not provide a supply of the following assessment does not provide a supply of the following assessment does not provide a supply of the following assessment does not provide a supply of the following assessment does not provide a supply of the following assessment does not provide a supply of the following assessment does not provide a supply of the following assessment does not provide a supply of the following assessment does not provide a supply of the following assessment does not provide a supply of the following assessment does not provide a supply

Test Bias vs Test Equity

According to the *Standards for Educational and Psychological Testing* (AERA, APA, NCME, 2014) Psychometric TEST BIAS and EQUITY are two different ways of measuring test fairness.

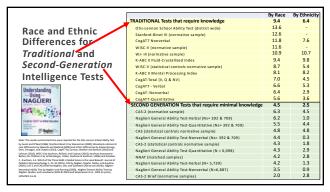


... if a person has had limited opportunities to learn the content in a test of intelligence, that test may be considered unfair (because it penalizes students for not knowing the answers) even if there is no evidence of psychometric test bias.



• Evidence of EQUITY is examined by test content and mean score differences

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By Ethnicity

Tests that require knowledge
Stan Heigher

Will Capt Thomas And Stan Heigher

Will Capt Thomas And Stan Heigher

Will Capt Thomas And Stan Heigher

Copt For Capt Thomas And Stan Heigher

Copt Thomas And Stan Heigher

Copt Thomas And Stan Heigher

Will Stan Heigher

Min = 4.3

K. C.

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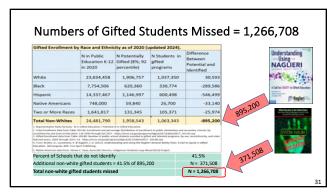
Access Denied: Gentry et. al. (2019)

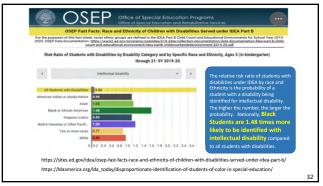
Equity Across Underserved Groups and Locales²

Key Findings

- Underrepresentation of AIAN, Black, Latinx, and NHPI students is widespread and persistent across the United States, continuing a trend of more than 40 years; whereas, Asian and White students are consistently well-represented.
- Students in Rural and Town locales are more likely to be less proportionally represented than their Suburb and City counterparts.







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Academic Learning Loss & COVID

- COVID-19 has increased the impact of disparities in access and opportunity for students of color and they are even further behind than they were before.
- Their scores on traditional intelligence tests which demand knowledge are even more inaccurate.
- Solutions:
 - For traditional tests, use post-COVID norms only.

knowledge
Education in a Pandemic: The Disparate Impacts of COVID-19 on America's Students. US Dept. of Ed- Office
of Civil Rights. June, 21, 2021. https://www.2.ed.gov/about/offices/list/ocr/docs/20210508-Impacts-ofcovid13.0

Core Group Discussion

•What was the MOST important idea we shared from the previous presentation

Thinking VS Knowing Iq I Otto Wisc

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15minut e break



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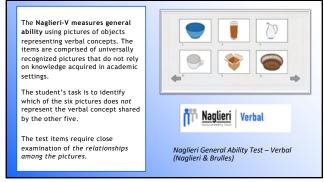


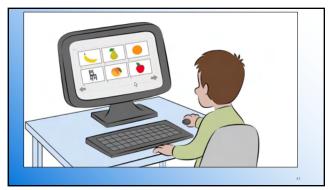
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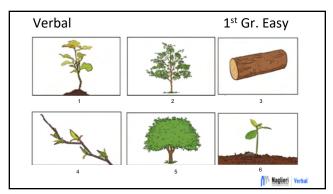


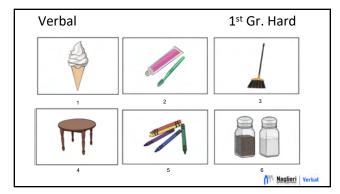
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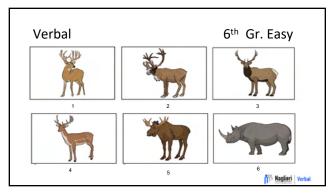
Naglieri General Ability Tests We explicitly made tests for equitable identification of students from diverse cultural, linguistic, or socioeconomic backgrounds We used the traditional Verbal, Nonverbal and Quantitative formats to measure general ability using: Test questions that do not require academic knowledge, Verbal and Quantitative test questions that can be solved using any language, Animated instructions remove the need for comprehension of directions, A multiple-choice response removes the need for verbal expression. Online (and paper) administration for group or individual assessment Universal assessment using local and national norms

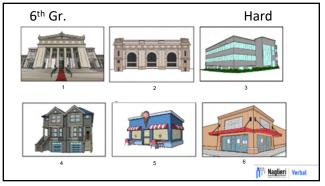








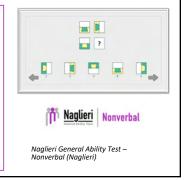




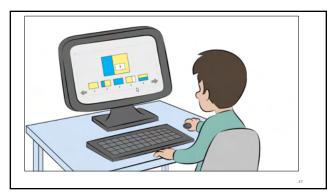
The Naglieri-NV measures general ability using questions that require a student to recognize the relationships among the shapes.

The structure of the items varies, but all items require that the student decipher the logic behind the relationships among the shapes, sequences, spatial orientations, patterns, and other distinguishing characteristics.

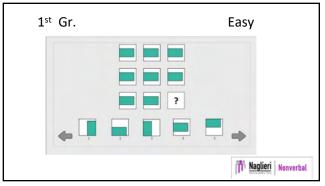
This nonverbal test is conceptually similar to the NNAT3 but it contains many NEW kinds of items not included before.



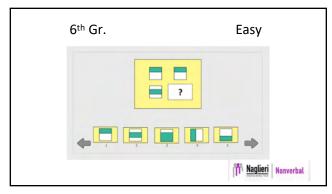
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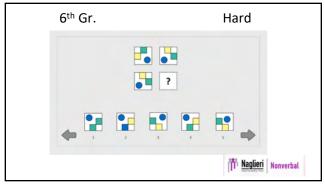


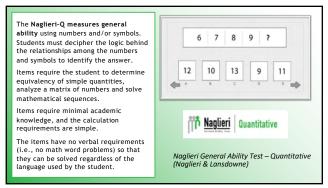
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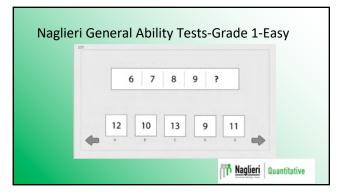


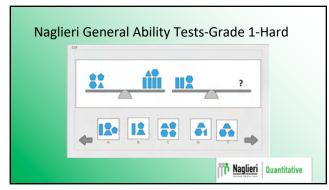


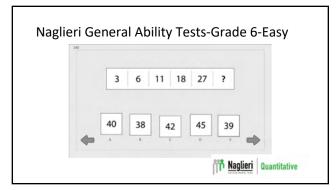


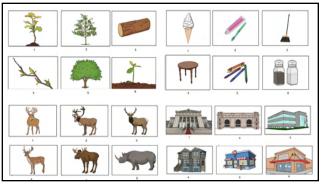


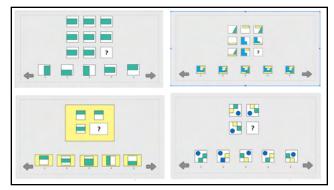


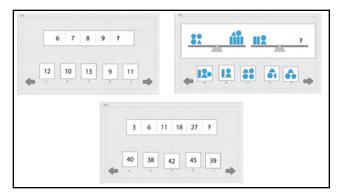




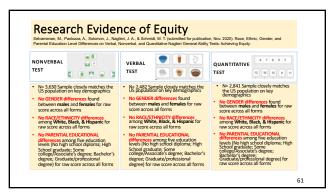












Summary of Reliability, Validity and Fairness • The Naglieri–V items were subjected to a cultural review

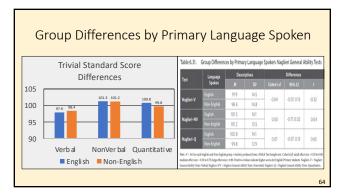
- Reliability coefficients for the Verbal, Nonverbal and Quantitative tests were high and exceed guidelines for test reliability
- Confirmatory factor analysis of the three tests, independently and in combination supported a broad factor of general ability
- The Naglieri–NV correlated significantly with the NNAT3
- Gifted students scored considerably higher than students from the general population
- All test ITEMS were inspected for fairness by gender, race, ethnicity, parental education level (PEL), and primary language spoken using differential item functioning (DIF) and analyses of covariance; negligible to small differences were found
- Overall, initial findings suggest that the Naglieri General Ability Tests meet guidelines for reliability, validity, and fairness

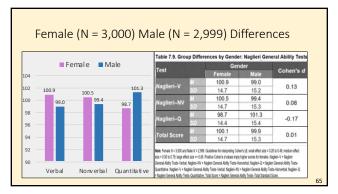
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Comparison of English and Non-English Groups

- Total sample size = 322
- A matched sample was randomly drawn, pairing an English-speaking student with a Non-English-speaking student on the basis of gender, race, ethnicity, region, and age





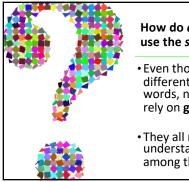


Core Group Discussion

•What reactions do you have about this new way to identify gifted students?



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How do different tests use the same ability?

- Even though the tests have different content (shapes, words, numbers) they all rely on general ability ('g')
- •They all require understanding relationships among things or ideas

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The test you choose determines the results you receive, the decisions you make, and the future of your students

That is the *Practical Impact* of test selection

Summary: Equitable Assessment of Intelligence

- Equitable evaluation of intelligence demands test questions that can be solved regardless of the amount of academic knowledge and facility with language a student has
- We have shown that
 - General ability (g) can be measured equitably across Verbal, Quantitative and Nonverbal content if the tests do not require academic knowledge
- Verbal, Quantitative and Nonverbal are a description of the content of the tests' questions NOT different types of intelligence
- \bullet Equitable tests measure THINKING in a manner that is minimally influenced by KNOWING

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