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		Unstand.			
Subtest	R	Regression Weight	t	Effect Size	WISC-IV Effect Size
Arithmetic	.55	-0.49	-2.11*	-0.16	0.10
Block Design	.58	0.59	2.66**	0.20	0.02
Comprehension	.55	-0.59	-2.51*	-0.20	0.00
Digit Span	.54	0.25	1.04	0.08	0.13
Figure Weights	.52	0.49	1.95	0.16	00000
Information	.71	-0.15	-0.68	-0.05	0.07
Letter-Number Sequencing	.50	0.26	1.13	0.09	0.18
Matrix Reasoning	.48	0.51	1.99	0.17	0.27
Picture Concepts	.40	0.07	0.22	0.02	0.21
Picture Span	.42	0.21	0.83	0.07	5 <u></u> 2
Similarities	.66	0.11	0.50	0.04	0.02
Visual Puzzles	.52	0.11	0.46	0.04	
Vocabulary	.66	-0.39	-1.69	-0.13	0.05



Raw Score Scaled Score Raw Score Scaled Score			Digital			Paper				
		Score	Scaled	core	Raw S	Score	Scaled	core	Raw S	
	Standard Difference	SD	Mean	SD	Mean	SD	Mean	SD	Mean	Subtest
Coding 44.5 20.1 9.5 2.9 37.1 10.2 10.2 3.0	0.23	3.0	10.2	10.2	37.1	2.9	9.5	20.1	44.5	
Symbol 28.4 9.7 10.9 3.1 29.5 9.3 10.5 3.0 Search	-0.13	3.0	10.5	9.3	29.5	3.1	10.9	9.7	28.4	











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Equivalence of Q-in Paper Scoring of Ar Selected WIAT [®] -III	cademic Tasks:
Distances Technical Report 5 Hank Banet Robinston August 193	Q-interactive Technical Report 5 Mark H. Daniel, PhD Senior Scientist for Research Innovation August 2013
Сарунун 8.2013 нов Ризкол, но. Ай луке неалчев. С-инжесте на экономит и тек и 1. ениот или ениотек, е Асклидствоис	rener manne, to unit deep regist
	PEARSON









When should FSIQ be interpreted? What you may have heard in the past...

- Prifitera, A., et al "As a general rule of thumb, we might suggest that a 20-point VCI-PRI discrepancy should raise red flags in the examiner's mind. A 20-point or greater VCI<PRI and VCI>PRI was obtained by 6.1% and 6.7%"
- Kaufman & Flanagan 'Essentials of Assessment' books "Is the size of the standard score difference less than 1.5 SD's (<23 points)? If YES, then the FSIQ may be interpreted....If NO, then the variation in the Indexes...are considered too great [to interpret]"
- Sattler (Jerome) & Dumont "Whether an occurrence is 'unusual' (ie low base rate) depends on how one defines the term.....We also suggest that a low base rate is one that occurs in 10-15% or less of the standardisation sample."

ALWAYS LEARNING



Clinicians have a tendency to interpret individual subtest scores obtained within a battery as if that subtest was given in *isolation*Subtest strengths and weaknesses are often attributed to a clinical syndrome, whether or not the individual has a disorder False assumption that if a child has variable subtest scores, then we can't interpret index scores or FSIQ (seen to be *invalid*) However, if we administer enough subtests, something is bound to show up!

What about subtests?



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Study Results - Subtests

- Mean Subtest range = 7 (SD = 2.2) for normative sample
 Mean Subtest range = 7.6 (SD = 2) for IG
 - Mean Subtest range = 5.7 (SD = 2.5) for ID
 - Mean Subtest range = ~6.8 (SD = 2) for SLD
 - Mean Subtest range = 7.7 (SD = 3) for ASD
- A minimum difference of at least 11 points is required between the highest and lowest subtest scores to denote unusual index scatter at the 10% base rate cut-off
- Essentials of WISC-V Assessment <u>no longer</u> suggests that 5-point ranges are uninterpretable!

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Discrepancies between Subtests "An extreme discrepancy between the two subtests that make up an index...<u>does not</u> indicate that the score is invalid or unreliable or should not be interpreted. Describe the index score as a summary of diverse abilities, understand the subtests scaled scores that contribute to the index score and interpret discrepancies based on that index score with caution." (p. 167 Essentials of WPPSI-IV Assessment)

PEARS

Back to Kaufman...

- Substantial Index-level variability is normal, not abnormal (p.217)
- Subtest-level scatter analysis informs interpretation at higher levels and provides insight into the child's cognitive strengths and weaknesses (p.223)
- Use theory-based methods to translate differences to meaningful interventions (see reported case studies)



Paper-pencil vs Q-interactive Behavioural issues Motor issues Time considerations Battery life

- Number of assessments
- Experience and knowledge of test (and testing)
- Personal choice!















