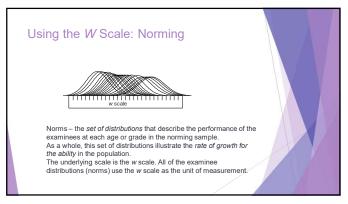


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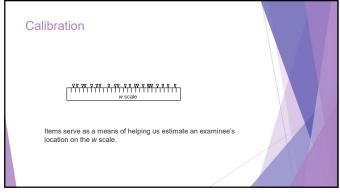


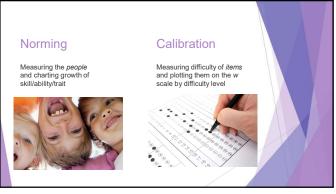
Calibration

- · Identifies items that are a poor fit
- · Sorts items by difficulty level
- Assigns a W difficulty to each item
  - a numerical value on the W scale that reflects the difficulty of the item
- Generates a W ability for each raw score
  - a numerical value on the W scale that reflects the ability level of the examinee

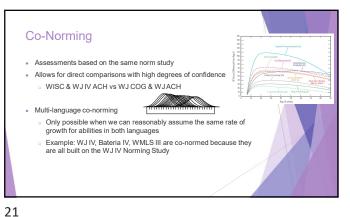
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Multi-Language Test Development

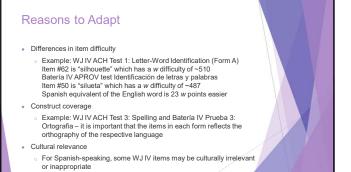
## Translation

- Contain the same items in both languages
- Can assume same difficulty level in both languages
- Measure constructs that should not be susceptible to differences in difficulty due to the language of administration (ex. Fluid Reasoning, Quantitative Reasoning, Visual Processing, some Cognitive Processing Speed tasks)

## Adaptation

- Tests measure same underlying trait or construct, but different items are selected
- Cannot assume same difficulty level in both languages
- Measure constructs with strong language components (ex. Comprehension-Knowledge Reading and Writing, Long-Term Storage and Retrieval, Auditory Processing)

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Spanish Calibration Study

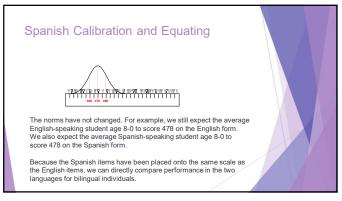
- Required for new tests or tests that contain new items
- Purposes of calibration study:
  - Establishes the difficulty level of each new Spanish item Maps these items on the w scale
- Ex. For Bateria IV. 6 tests were in the calibration study
  - 2 parts of COG Phonological Processing: Word Access & Substitution
  - COG Story Recall
- o ACH Oral Reading
- ACH Reading Recall COG Nonword Repetition

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Spanish Calibration and Equating Step 1: Choose items from the existing English pool that have reasonable Spanish counterparts to serve as anchor items. Step 2: Translate the anchor items into Spanish. Step 3: Develop additional Spanish items (at this point, the new item difficulties are unknown) Step 4: Administer translated Spanish anchor items and new Spanish items to a large pool of Step 5: Place the new Spanish items onto the scale of the English items. 

Spanish Calibration and Equating Now we have a w scale that contains items from both English and Spanish. We can locate an examinee's ability on this scale in either language, depending on which form of the test we administer

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Implications for Practice

• Test selection
• Informed selection balancing priorities of co-norming and representative samples

• Evaluation reports and eligibility meetings
• Accurately describing the norming vs calibration samples, as needed

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