Oregon Extended Assessment Item Selection Process

August 16, 2018

Replacing items

Review *ifiles* from the previous testing year, which include item difficulties and standard errors, as well as Outfit, point-biserial, and displacement statistics. All field test items (even numbers 16-38) need to be replaced with new field test items. Operational items that need replacing, use well-functioning field test items based on previous year’s test data.

1. **First**: sort by ***Outfit***, any item with an outfit below 0.3 or above 1.5 should be identified for retirement.
2. **Second**: sort by item ***Difficulty***. Look at the Test Characteristic Curves (TCCs) to find where each grade level assessment needs to be adjusted such that the grades march consistently across the distribution in terms of item difficulties. Replace these items with field test items from previous tests to ensure that each test is successively more difficult across grades and across the distribution.
3. **Third**: sort by ***PointMeasureCorr***. There are generally a range of values between .40-.75. Values below .20 should be identified for retirement.
4. **Fourth:** sort by ***Displacement***, which is a statistic that helps identify items that are drifting on the scale. Items with displacement values >.30 should be identified for retirement.

Item Order for Test Booklet Development

1. Order items by difficulty. The first 15 need to be in the same order of difficulty as the previous year in order to support our test discontinuation rule.
2. Field test items are always placed in the even numbered locations between 16-38. Try to select the items to be approximately in the correct difficulty range and also fit with the content of items around them in the test booklet (i.e., do not allow multiple items in a row about the same content)
3. The domain sampling must match the test blueprint established in the technical report, with specific numbers of item counts per domain, per grade, to ensure content comparability across years.

After all new items are selected

1. Create a new spreadsheet with columns for Test Item Number, Difficulty, and Item ID.
2. Add all operational item ID and Difficulty information first (anything not highlighted and the new operational items either pulled from last year’s field test, or previous year’s. Make sure to add the difficulty levels for these as they will need to be ordered by difficulty). You should now have 36 rows of Item ID’s.
3. Sort by difficulty level.
4. Next add in the new field test items (new items from yellow highlighted rows). These will be even numbers beginning at item 16, ending at item 38.
5. Fill in the Test Item No. column with 1-48.
6. Make one spreadsheet per subject/grade level. These will be used to create booklets so need to be separate documents (rather than on tabs like the master item banks).

Creating csv for data merge

1. Using the ordered item selected, create a new csv file.
2. Copy item information from the ‘All Items’ excel files and paste into new csv. Be sure to maintain previously selected item order.
3. Add graphics file paths.