ETL Developers' Guide - Assessment Configuration

Starting in v2.0 of the Ed-Fi Dashboards, assessment metrics can be configured without custom development. The customization options available fall into three general types, each with a distinct configuration method. The types are:

- Assessment Metrics Based on Performance Level
- Assessment Metrics Based on a Percentage Threshold
- Assessment Metrics Based on Learning Standards

Detail on each customization type follows.

Assessment Metrics Based on Performance Level

Performance levels are used in assessments to delineate thresholds of skills or knowledge, and are often expressed in short phrases such as "Met Standard" or "Exceeded Expectations" or "Advanced Academic Performance."

In assessment metrics based on performance level, calculations are based on the assessment-performance-level met flag then filtered by a configured assessment category and a subject area or areas. The metric display can be configured to add the desired reporting method alongside the performance level achieved.

Configuration Options

The configuration options for assessment metrics based on performance level will include UI elements such as columns and column headers, along with the metric calculations.

The metric configuration options include:

- **Category.** An assessment category or categories to include. A metric can be based on one or more assessment categories.
- **Subject Area.** An academic subject area or subject areas to include. A metric can include one or more subject areas.
- **Reporting Method.** At least one reporting method must be selected as the metric value. Additional reporting methods can be selected for display purposes.

The following is an example assessment metric based on performance level from the as-shipped Dashboards, along with tables showing the metric metadata itself:

- Student - State Assessment Performance
- Student - Reading Assessment
- Student - Language Assessment Proficiency
- Student - Reading Assessment - Historical Chart

Assessment Metrics Based on a Percentage Threshold

In this type of assessment metric, the score obtained is measured against the maximum possible score and compared to a configured threshold. Calculations are based on configured assessment category, academic subject areas, and raw score. Assessment metrics based on a percentage threshold have no configurable UI options. Metrics are displayed using the default metric template.

Configuration Options

The metric configuration options include:

- **Category.** An assessment category or categories to include. A metric can be based on one or more assessment categories.
- **Subject Area.** An academic subject area or subject areas to include. A metric can include one or more subject areas.

The following are example assessment metrics based on a percentage threshold from the as-shipped Dashboards, along with tables showing the metric metadata itself:

- Student - Benchmark Assessment Mastery

Assessment Metrics Based on Learning Standards
Calculates the number of learning standards correct against the number of learning standards assessed. Calculations are based on the configured assessment category and academic subject areas. Assessment metrics based on learning standards have no configurable UI options. Metrics are displayed using the default metric template.

**Configuration Options**

The metric configuration options include:

- **Category.** An assessment category or categories to include. A metric can be based on one or more assessment categories.
- **Subject Area.** An academic subject area or subject areas to include. A metric can include one or more subject areas.

The following is an example assessment metric based on learning standards from the as-shipped Dashboards, along with tables showing the metric metadata itself:

- **Student - Learning Standard Mastery**

**Technical and Contextual Details**

- **Assessment Metadata Configuration Details**
- **Assessment Model Patterns in the Ed-Fi Data Standard v2.0**