Summary

A Yearly Box Plot is a visual graphic display of grade-level percentiles for a group of students over time on a specific measure.

Report Parameters

- **Scope**: A report can be created at the project, district, or school level.
- **Grade**: A report can be created for any grade level, Kindergarten through Grade 6.
- **Assessment Period**: A yearly report can be created that includes all assessment periods for a specific year (i.e., Beginning, Middle, and End will all be on the report).
- **Measures**: A report can be generated for the DIBELS and IDEL measures listed in the table below.

<table>
<thead>
<tr>
<th>Grade</th>
<th>DIBELS Measures</th>
<th>IDEL Measures</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kindergarten</td>
<td>ISF, PSF, WUF, NWF</td>
<td>FSF-TLP, FSF-Sil, FUP, FPS-TSL</td>
</tr>
<tr>
<td>First</td>
<td>PSF, NWF, WUF, ORF, RTF</td>
<td>FSF-TLP, FSF-Sil, FPS-TSL, FUP, FLO, FRO</td>
</tr>
<tr>
<td>Second</td>
<td>NWF, ORF, RTF, WUF</td>
<td>FPS-TSL, FLO, FRO, FUP</td>
</tr>
<tr>
<td>Third</td>
<td>ORF, RTF, WUF</td>
<td>FLO, FRO, FUP</td>
</tr>
<tr>
<td>Fourth</td>
<td>ORF, RTF</td>
<td>NA</td>
</tr>
<tr>
<td>Fifth</td>
<td>ORF, RTF</td>
<td>NA</td>
</tr>
<tr>
<td>Sixth</td>
<td>ORF, RTF</td>
<td>NA</td>
</tr>
</tbody>
</table>
Included Students
A student’s data will be included in this report if the student meets the following criteria:

- A student exists in the selected location [i.e., year, grade, project (if applicable), district (if applicable), school (if applicable)].
- A student has a score entered for the selected measure in any assessment period during the year. A student marked as ‘moved out’ will be included if a score for that student is entered for the selected measure in any assessment period during the year for which the report is generated.
- NOTE: This report does not include identifying student information such as names or ID numbers.

Sample Report

Figure 1: Example Yearly Box Plot Report, Top Half of Page with added feature identifiers

Feature #1
The name of the measure is displayed at the top of the graph (e.g., Oral Reading Fluency).

Feature #2
The label on the y-axis (vertical axis) depends on what measure was selected to create the report. The labels for each measure are as follows:

<table>
<thead>
<tr>
<th>DIBELS Measure</th>
<th>Y-Axis Label</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISF</td>
<td>Correct Initial Sounds</td>
</tr>
<tr>
<td>PSF</td>
<td>Correct Phonemes</td>
</tr>
</tbody>
</table>
Feature # 3
The x-axis (horizontal axis) is labeled ‘Benchmark Time’ for all measures. The increments on the axis correspond to the benchmark assessment periods (i.e., Beginning, Middle, and End for users that administer a measure three times per year).

Feature #4
The total number of students included in the plot for each assessment period is displayed below the box (e.g., n = 983 represents 983 students assessed in the Middle of Year in Figure 1).

Feature #5a
The gray target bar is an indicator of the benchmark goal for each assessment period. The bottom of the target bar corresponds to the benchmark goal (e.g., 90 correct words per minute), and the target bar extends upwards from the benchmark (e.g., 110 correct words per minute). The target bar is used instead of a line because the bar shows up more clearly on the graph.

Feature #5b
Feature 5b is a description of the benchmark goal for the selected grade and measure. In this example, the benchmark goal is 90 correct words per minutes by the End of Second Grade.

Feature #6
Note that the box surrounding feature #6 is red. This is because the box plot itself is a box with blue lines, so the surrounding box is red to eliminate confusion. The entire feature is called the “box and whiskers” which is also called a “box plot”.

- 6a: This is one of the “whiskers.” There is a bottom whisker (i.e., a line segment) and a top whisker on each box. The bottom whisker spans the range of student scores from the 5th percentile to the 20th percentile. The whisker in this example
begins at approximately 8, indicating the student at the 5th percentile scored an 8. The whisker ends at the bottom of the box, which represents the 20th percentile.

- 6b: The bottom line of the box is drawn at the score that corresponds to the student at the 20th percentile. In the example, students in the 20th percentile scored approximately 18.
- 6c: The mid-line of the box corresponds to the score for students at the 50th percentile. In the example, the mid-line is drawn at a score of approximately 40.
- 6d: The top line of the box is drawn to represent the score that corresponds to the student at the 80th percentile. In the example in Figure 3, students at the 80th percentile scored approximately 76.
- 6e: This is the top whisker. The top whisker represents the range of student scores from the 80th percentile to the 95th percentile. The whisker in this example begins at approximately 76, indicating the student at the 80th percentile scored a 76. The whisker ends at the 95th percentile, which represents a score of approximately 112.

Figure 2: Example Yearly Box Plot Report, Bottom Half of Page with added blue feature identifiers

**Feature #7**
Feature 7 provides the user with information about the progressive benchmark goals for each assessment period for the particular measure and grade.

**Feature #8**
Feature 8 is an illustration of a generic “box-and-whiskers.“ This illustration provides users with more information about how the full range of scores can be represented at different percentiles.