10) **Student portfolio**

**DESCRIPTION:** Students assemble a printed or electronic portfolio of works over time. These collections are evaluated using the corresponding FLO rubric. The student rubric scores from the assignment are recorded using the RUBRIC workbook.

**SCORING:** These portfolios are directly evaluated using a four-level scoring rubric.

**ANALYSIS:** The number of student scores meeting or exceeding a threshold rubric score of 3.0 is determined for the assignment. The average and 95% confidence interval of the class rubric scores is calculated and classified as indicated in the following scheme:

<table>
<thead>
<tr>
<th>Level</th>
<th>Threshold (rubric score)</th>
<th>Class Average Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>0) Deficient</td>
<td>0.0 ≤ class average &lt; 1.0</td>
<td></td>
</tr>
<tr>
<td>1) Beginning</td>
<td>1.0 ≤ class average &lt; 1.8</td>
<td></td>
</tr>
<tr>
<td>2) Progressing</td>
<td>1.8 ≤ class average &lt; 2.6</td>
<td></td>
</tr>
<tr>
<td>3) Proficient</td>
<td>2.6 ≤ class average &lt; 3.4</td>
<td></td>
</tr>
<tr>
<td>4) Advanced</td>
<td>3.4 ≤ class average ≤ 4.0</td>
<td></td>
</tr>
</tbody>
</table>

A one factor, two-tailed t-test is used to evaluate the statistical significance of differences between class average and the threshold score of 2.6 points. Cohen’s d is used to determine the magnitude of any effect sizes found.

**CRITERION LEVELING:** The expectations of the criteria of success depend upon the level of the course assessed. The target thresholds for each level are defined as follows:

- **100-level**
  - 50% of individuals should be proficient or better (3 on the rubric) by the end of instruction
  - The class average should fall within the progressing level (threshold ≥ 1.8)

- **200-level**
  - 60% of the individuals should be proficient or better (3 on the rubric) by the end of instruction
  - The class average should fall within the proficient level (threshold ≥ 2.6)

- **300-level**
  - 70% of individuals should be proficient or better (3 on the rubric) by the end of instruction
  - The class average should fall within the proficient level (threshold ≥ 2.6)

- **400-level**
  - 80% of individuals should be proficient or better (3 on the rubric) by the end of instruction
  - The class average should fall within the proficient level (threshold ≥ 2.6)