**TEMPLATE #5.1**

**Module 5.1: Data Analysis Report Template**

**<District Name>**

**<Assessment Name>**

**Item Analysis Report**

**<logo here>**

**<Superintendent’s Title Block Here>**

**Superintendent**

**<Date Here>**

**<District Name Here>**

**<Mission Statement Here>**

**<Purpose Statement Here>**

**Executive Summary**

<General Overview of the Data Findings>

**<Grade/Subject>**

* <Flagged item(s)>
* <Flagged issues in the operational form(s)

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<Add brief paragraph detailing the data being displayed in the below table. Ensure test name, date, and version is included. Explain each column in the table along with any symbols (e.g. *p*>.85) and performance criteria. Ensure the item number/ID includes the targeted content standard/grade-level expectation as reported in the assessment’s blueprint. Ensure the item statistics are displayed with associated parameters and/or performance criteria. Ensure the analytical text interprets the displayed data in a manner free from both technical jargon and subjective interpretation (i.e., the item just seemed too easy). Ensure the final statement in the paragraph articulates those “priority items” needing additional refinement by the subject matter experts/refinement team prior to the subsequent assessment cycle>

*Table X.* <Grade level: Subject Area>

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Item Number/ID** | **Difficulty Flag (.25>p>.85)** | **Discrimination Flag (r<.10)** | **Omission Flag (NULL>10%)** | **DIF Flag****(LB>p>UB)** | **Count Flag** |
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**APPENDICES**

**Appendix A: Percent Correct Distribution: Range Clusters**

Figure 1a. *<Grade X, Subject Y: Percent Correct Distribution*

**Appendix B: Percent Correct by Item Number**

Figure 1b. *<Grade/Subject> Percent Correct by Item Number*

**Appendix C: Correlation between Item Number and Raw Score**

Figure 1c. *<Grade/Subject> Correlation*

**APPENDIX D: Omission/Attempted Rate Distribution**

Figure 1d. *<Grade/Subject> Omission Rates*

**APPENDIX D: Omission/Attempted Rate Distribution (CONT.)**

Figure 1d.1. *<Grade/Subject> Attempted Rates*

**APPENDIX E: Differential Item Functioning Results**

**Table 1E.** <Grade/Subject> Item #1 DIF Results

|  |  |  |
| --- | --- | --- |
| **Focal Group** | **p-Value** | **Deviation** |
| F | 0.24 | -0.01 |
| M | 0.27 | 0.02 |
| **Item p-value** | **0.25** |   |

**Note**: Deviation parameters fixed at Upper Bound (0.03) and Lower Bound (-0.03)

**APPENDIX F: Distractor Comparison by Item Number**

**Table 1F.** <Grade/Subject> Item #1 Distractor Results

|  |  |  |
| --- | --- | --- |
| **Response Options** | **Count of M1** | **Proportional Response Rate** |
| 0-A | 12 | 0.13 |
| 1-B | 23 | 0.24 |
| 2-C | 36 | 0.38 |
| 3-D | 25 | 0.26 |
| **Grand Total** | **96** |  |

**APPENDIX G: Item Type Summary Comparison**

Figure 1g. *<Grade/Subject> Item-type comparison*

**Note**: Overall test: SR points earned 47.7% and CR points earned 53.7%

**APPENDIX H: Constructed Response Frequency Distribution by Item Number**

Figure 1h. *<Grade/Subject> Constructed Response Item <item tag here>*

**Quality Control Checklist**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task** | **Status** | **Comment** |
| 5.1.1 | Identify and flag all applicable items for difficulty |  | Value range: .25>*p*>.85 |
| 5.1.2 | Identify and flag all applicable items for discrimination |  | Value range $r^{2}$<.10 |
| 5.1.3 | Identify and flag all items with no responses (NULL) |  | Value range “NULL”>10% |
| 5.1.4 | Identify and flag all items with focal group (i.e., M/F) p-values beyond established parameters |  | Value range LB>p>UB for focal group |
| 5.1.5 | Identify and flag item-types with differential performance |  | Value range SR – CR > 10 PCT PTS |