Supplemental Digital Content

Table 1 Descriptive Statistics for CATWa and SWAb Individual Items (N = 27)

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | | Mean (SDc) | | Minimum, Maximum | | R1/R2d Mean Range | |  |
| **CATW ITEMS** | |  | |  | |  | |
| R1 Critical Response to Task | | 5.0(1.3) | | 2.0, 6.0 | |  | |
| R2 Critical Response to Task | | 4.6(0.8) | | 3.0, 6.0 | | 0.4 | |
| R1 Development of Ideas | | 5.1(1.3) | | 2.0, 6.0 | |  | |
| R2 Development of Ideas | | 4.4(0.7) | | 3.0, 6.0 | | 0.7e | |
| R1 Structure of Response | | 5.0(1.1) | | 2.0, 6.0 | |  | |
| R2 Structure of Response | | 4.3(0.8) | | 3.0, 6.0 | | 0.7 e | |
| R1 Sentence and Word Choice | | 5.2(1.3) | | 2.0, 6.0 | |  | |
| R2 Sentence and Word Choice | | 4.7(0.8) | | 3.0, 6.0 | | 0.5 e | |
| R1 Grammar, Usage, Mechanics | | 5.6(0.8) | | 3.0, 6.0 | |  | |
| R2 Grammar, Usage, Mechanics | | 5.3(0.7) | | 4.0, 6.0 | | 0.3 | |
| **SWA ITEMS** | |  | |  | |  | |
| **Fundamental Skills** | |  | |  | |  | |
| R1 Grammar, punctuation, and style | | 4.4(0.6) | | 3.0, 5.0 | |  | |
| R2 Grammar, punctuation, and style | | 4.8(0.4) | | 4.0, 5.0 | | 0.4 | |
| R1 Format | | 4.2(0.5) | | 3.0, 5.0 | |  | |
| R2 Format | | 4.6(0.5) | | 4.0, 5.0 | | 0.4 | |
| R1 Adheres to Structure | | 4.7(0.7) | | 3.0, 5.0 | |  | |
| R2 Adheres to Structure | | 4.8(0.5) | | 3.0, 5.0 | | 0.1 | |
| R1 Concise / Non-Redundant | | 3.5(1.2) | | 1.0, 5.0 | |  | |
| R2 Concise / Non-Redundant | | 3.2(0.8) | | 2.0, 4.0 | | 0.3 | |
| **Information Literacy and Integrity** | |  | |  | |  | |
| R1 Substantive content | | 4.5(0.9) | | 2.0, 5.0 | |  | |
| R2 Substantive content | | 4.5(0.6) | | 3.0, 5.0 | | 0.0 | |
| R1 Primary sources | | 3.3(1.4) | | 2.0, 5.0 | |  | |
| R2 Primary sources | | 3.8(0.8) | | 2.0, 5.0 | | 0.5 e | |
| R1 Paraphrasing | | 4.6(1.0) | | 1.0, 5.0 | |  | |
| R2 Paraphrasing | | 4.7(0.9) | | 1.0, 5.0 | | 0.1 | |
| R1 Source selection | | 4.5(0.8) | | 3.0, 5.0 | |  | |
| R2 Source selection | | 4.0(0.7) | | 3.0, 5.0 | | 0.5 e | |
| **Organization, Conceptualization, and Critical Analysis** | |  | |  | |  | |
| R1 Clear and narrow focus | | 4.9(0.8) | | 1.0, 5.0 | |  | |
| R2 Clear and narrow focus | | 4.3(0.7) | | 3.0, 5.0 | | 0.6 e | |
| R1 Organization - Headings | | 4.4(0.7) | | 3.0, 5.0 | |  | |
| R2 Organization - Headings | | 4.5(0.8) | | 2.0, 5.0 | | 0.1 | |
| R1 Organization - Logical flow | | 4.3(1.0) | | 2.0, 5.0 | |  | |
| R2 Organization - Logical flow | | 3.7(0.9) | | 2.0, 5.0 | | 0.6 e | |
| R1 Critical Appraisal | | 3.0(1.7) | | 1.0, 5.0 | |  | |
| R2 Critical Appraisal | | 3.3(0.9) | | 1.0, 5.0 | | 0.3 | |
| R1 Synthesis | | 4.3(0.9) | | 2.0, 5.0 | |  | |
| R2 Synthesis | | 4.2(0.7) | | 3.0, 5.0 | | 0.1 | |

a City University of New York Assessment Test of Writing

b Scientific Writing Assessment

c Standard deviation

d Rater 1/Rater 2

e Discrepancy ≥0.5