# Item Analysis Report

## MED522 Repro Quiz 5

## Descriptive Statistics

| | | | | | | |
|---|---|---|---|---|---|---|
| Number of Candidates: | **161** | | | Variance: | **3.87** | |
| Number of Items: | **20** | | | Standard Deviation: | **1.97** | |
| | | | | Standard Error of Measurement: | **1.53** | |
| Min Score: | **8/20** | **(40%)** | | Reliability Measurement: | **0.396** | |
| Max Score: | **19/20** | **(95%)** | | Pass Score: | **12/20** | **(60%)** |
| Mean Score: | **16/20** | **(79%)** | | Pass Rate: | **156/161** | **(97%)** |

## Discrimination/Difficulty Table

| PBIS | 0-9 | 10-19 | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-79 | 80-89 | > 90 | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| > 70 | | | | | | | | | | | |
| 60-69 | | | | | | | | | | | |
| 50-59 | | | | | | | | | | | |
| 40-49 | | | | | 1 | | | 2 | 1 | | 4 |
| 30-39 | | | | 1 | | | | 1 | 1 | 2 | 5 |
| 20-29 | | | | | | | 1 | 2 | | 1 | 4 |
| 10-19 | | 1 | | | | | | | | 3 | 4 |
| 0-9 | | | | | | | | | | 3 | 3 |
| < 0 | | | | | | | | | | | |
| TOTAL | | 1 | | 1 | 1 | | 1 | 5 | 2 | 9 | 20 |

Difficulty Level

## Pass Rate

| | Fail | PM - 2 SEM | PM - 1 SEM | PM + 1 SEM | PM + 2 SEM | Pass |
|---|---|---|---|---|---|---|
| **Raw** | 1 | 0 | 4 | 13 | 48 | 95 |
| **%** | 1% | 0% | 2% | 8% | 30% | 59% |

PM = Passing Mark
SEM = Standard Error of Measurement

# Frequency Distribution

| Score | Freq | %-ile | cum-% |
|---|---|---|---|
| 8 | 1 | 0.31 | 0.62 |
| 9 | 0 | 0.62 | 0.62 |
| 10 | 0 | 0.62 | 0.62 |
| 11 | 4 | 1.86 | 3.11 |
| 12 | 4 | 4.35 | 5.59 |
| 13 | 9 | 8.39 | 11.18 |
| 14 | 23 | 18.32 | 25.47 |
| 15 | 25 | 33.23 | 40.99 |
| 16 | 31 | 50.62 | 60.25 |
| 17 | 27 | 68.63 | 77.02 |
| 18 | 31 | 86.65 | 96.27 |
| 19 | 6 | 98.14 | 100.00 |

## Item Statistics

| Item ID | Key | Difficulty | PBIS | Mode Choice | Count | Variance | Option Count | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | 1 | 2 | 3 | 4 | 5 |
| HOMER_QUIZ_1053373 | 2 | 93% | 0.16 | 2 | 161 | 0.06 | 0 | 150 | 0 | 0 | 11 |
| HOMER_QUIZ_1053374 | 4 | 100% | 0.00 | 4 | 161 | 0.00 | 0 | 0 | 0 | 161 | |
| HOMER_QUIZ_1053375 | 2 | 93% | 0.36 | 2 | 161 | 0.06 | 0 | 150 | 4 | 7 | |
| HOMER_QUIZ_1053376 | 3 | 66% | 0.28 | 3 | 161 | 0.22 | 6 | 40 | 106 | 9 | |
| HOMER_QUIZ_1053377 | 1 | 35% | 0.37 | 4 | 161 | 0.23 | 56 | 2 | 18 | 78 | 7 |
| HOMER_QUIZ_1053378 | 4 | 70% | 0.27 | 4 | 161 | 0.21 | 0 | 1 | 19 | 113 | 28 |
| HOMER_QUIZ_1053379 | 3 | 78% | 0.28 | 3 | 161 | 0.17 | 10 | 17 | 126 | 7 | 1 |
| HOMER_QUIZ_1053380 | 1 | 87% | 0.33 | 1 | 161 | 0.11 | 140 | 12 | 1 | 1 | 7 |
| HOMER_QUIZ_1053381 | 1 | 78% | 0.42 | 1 | 161 | 0.17 | 125 | 2 | 8 | 22 | 4 |
| HOMER_QUIZ_1053382 | 4 | 77% | 0.37 | 4 | 161 | 0.18 | 16 | 12 | 8 | 124 | 1 |
| HOMER_QUIZ_1053383 | 2 | 94% | 0.22 | 2 | 161 | 0.06 | 2 | 151 | 0 | 0 | 8 |
| HOMER_QUIZ_1053384 | 3 | 98% | 0.16 | 3 | 161 | 0.02 | 2 | 1 | 157 | 1 | |
| HOMER_QUIZ_1053385 | 4 | 80% | 0.42 | 4 | 161 | 0.16 | 0 | 1 | 32 | 128 | |
| HOMER_QUIZ_1053386 | 3 | 100% | 0.00 | 3 | 161 | 0.00 | 0 | 0 | 161 | | |
| HOMER_QUIZ_1053387 | 4 | 91% | 0.18 | 4 | 161 | 0.08 | 0 | 10 | 5 | 146 | |
| HOMER_QUIZ_1053388 | 2 | 48% | 0.46 | 2 | 161 | 0.25 | 64 | 77 | 6 | 2 | 12 |
| HOMER_QUIZ_1053389 | 2 | 97% | 0.07 | 2 | 161 | 0.03 | 0 | 156 | 0 | 3 | 2 |
| HOMER_QUIZ_1053390 | 3 | 15% | 0.19 | 1 | 161 | 0.13 | 106 | 13 | 24 | 2 | 16 |
| HOMER_QUIZ_1053391 | 2 | 92% | 0.34 | 2 | 161 | 0.07 | 2 | 148 | 5 | 5 | 1 |
| HOMER_QUIZ_1053392 | 5 | 88% | 0.45 | 5 | 161 | 0.10 | 9 | 1 | 6 | 3 | 142 |