

Item Analysis Report

MED546 Medicine Clerkship Exit Exam 2C

Descriptive Statistics

| | | | |
|-----------------------|-------------|--------------------------------|-------------|
| Number of Candidates: | 23 | Variance: | 27.37 |
| Number of Items: | 68 | Standard Deviation: | 5.23 |
| | | Standard Error of Measurement: | 3.44 |
| Min Score: | 36/68 (53%) | Reliability Measurement: | 0.567 |
| Max Score: | 55/68 (81%) | Pass Score: | 42/68 (62%) |
| Mean Score: | 45/68 (66%) | Pass Rate: | 15/23 (65%) |

Discrimination/Difficulty Table

| | | | | | | | | | | | | |
|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|----|
| PBIS | > 70 | | | | | | | | | | | |
| | 60-69 | | | | | | | | | | | |
| | 50-59 | | | | 1 | 2 | | | 1 | | 4 | |
| | 40-49 | | | | | | 2 | 2 | 2 | | 2 | 8 |
| | 30-39 | | | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 2 | 10 |
| | 20-29 | | | | 1 | 1 | 1 | 1 | 2 | 3 | 1 | 10 |
| | 10-19 | | | | 2 | 4 | | 1 | 2 | 2 | | 11 |
| | 0-9 | 1 | | | 1 | | 1 | 2 | 1 | 3 | 3 | 12 |
| | < 0 | | | 1 | 3 | | 1 | 1 | 2 | | 5 | 13 |
| | TOTAL | 1 | | 2 | 9 | 8 | 6 | 9 | 11 | 9 | 13 | 68 |
| | | | | | | | | | | | | |
| | 0-9 | 10-19 | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-79 | 80-89 | > 90 | TOTAL | |
| Difficulty Level | | | | | | | | | | | | |

Pass Rate

| | Fail | PM - 2 SEM | PM - 1 SEM | PM + 1 SEM | PM + 2 SEM | Pass |
|-----|------|------------|------------|------------|------------|------|
| Raw | 0 | 3 | 5 | 5 | 6 | 4 |
| % | 0% | 13% | 22% | 22% | 26% | 17% |

PM = Passing Mark
SEM = Standard Error of Measurement

Frequency Distribution

| Score | Freq | %-ile | cum-% |
|-------|------|-------|--------|
| 36 | 2 | 4.35 | 8.70 |
| 37 | 1 | 10.87 | 13.04 |
| 38 | 0 | 13.04 | 13.04 |
| 39 | 2 | 17.39 | 21.74 |
| 40 | 0 | 21.74 | 21.74 |
| 41 | 1 | 23.91 | 26.09 |
| 42 | 2 | 30.43 | 34.78 |
| 43 | 1 | 36.96 | 39.13 |
| 44 | 1 | 41.30 | 43.48 |
| 45 | 3 | 50.00 | 56.52 |
| 46 | 4 | 65.22 | 73.91 |
| 47 | 1 | 76.09 | 78.26 |
| 48 | 1 | 80.43 | 82.61 |
| 49 | 0 | 82.61 | 82.61 |
| 50 | 0 | 82.61 | 82.61 |
| 51 | 0 | 82.61 | 82.61 |
| 52 | 2 | 86.96 | 91.30 |
| 53 | 0 | 91.30 | 91.30 |
| 54 | 1 | 93.48 | 95.65 |
| 55 | 1 | 97.83 | 100.00 |

Item Statistics

| Item ID | Key | Difficulty | PBIS | Mode Choice | Count | Variance | Option Count | | | | |
|-------------------|-----|------------|-------|----------------|-------|----------|--------------|----|----|----|----|
| | | | | | | | 1 | 2 | 3 | 4 | 5 |
| HOMER_QUIZ_104759 | 4 | 52% | 0.01 | 4 | 23 | 0.25 | 9 | 1 | 1 | 12 | |
| HOMER_QUIZ_104760 | 1 | 57% | -0.02 | 1 | 23 | 0.25 | 13 | 4 | 0 | 6 | |
| HOMER_QUIZ_104760 | 4 | 43% | 0.13 | 4 | 23 | 0.25 | 3 | 0 | 0 | 10 | 10 |
| HOMER_QUIZ_104760 | 2 | 61% | 0.21 | 2 | 23 | 0.24 | 0 | 14 | 3 | 4 | 2 |
| HOMER_QUIZ_104760 | 3 | 83% | 0.27 | 3 | 23 | 0.14 | 3 | 0 | 19 | 0 | 1 |
| HOMER_QUIZ_104760 | 1 | 61% | 0.33 | 1 | 23 | 0.24 | 14 | 0 | 0 | 6 | 3 |
| HOMER_QUIZ_104760 | 3 | 91% | 0.36 | 3 | 23 | 0.08 | 1 | 1 | 21 | | |
| HOMER_QUIZ_104763 | 2 | 61% | 0.16 | 2 | 23 | 0.24 | 8 | 14 | 0 | 1 | |
| HOMER_QUIZ_104760 | 1 | 83% | 0.16 | 1 | 23 | 0.14 | 19 | 4 | | | |
| HOMER_QUIZ_104763 | 4 | 83% | 0.36 | 4 | 23 | 0.14 | 4 | 0 | 0 | 19 | |
| HOMER_QUIZ_104760 | 4 | 83% | 0.21 | 4 | 23 | 0.14 | 1 | 0 | 0 | 19 | 3 |
| HOMER_QUIZ_104763 | 3 | 78% | 0.52 | 3 | 23 | 0.17 | 4 | 1 | 18 | | |
| HOMER_QUIZ_104765 | 4 | 78% | 0.32 | 4 | 23 | 0.17 | 2 | 0 | 3 | 18 | |
| HOMER_QUIZ_104763 | 5 | 91% | -0.05 | 5 | 23 | 0.08 | 0 | 0 | 2 | 0 | 21 |
| HOMER_QUIZ_104760 | 4 | 61% | -0.18 | 4 | 23 | 0.24 | 3 | 4 | 2 | 14 | |
| HOMER_QUIZ_104760 | 1 | 65% | 0.49 | 1 | 23 | 0.23 | 15 | 5 | 2 | 1 | |
| HOMER_QUIZ_104761 | 4 | 78% | 0.44 | 4 | 23 | 0.17 | 3 | 2 | 0 | 18 | |
| HOMER_QUIZ_104765 | 5 | 35% | 0.28 | 5 | 23 | 0.23 | 1 | 2 | 6 | 6 | 8 |
| HOMER_QUIZ_104763 | 1 | 96% | -0.06 | 1 | 23 | 0.04 | 22 | 1 | | | |
| HOMER_QUIZ_104761 | 3 | 83% | 0.01 | 3 | 23 | 0.14 | 2 | 1 | 19 | 1 | |
| HOMER_QUIZ_104761 | 4 | 35% | 0.12 | 4 | 23 | 0.23 | 7 | 4 | 3 | 8 | 1 |
| HOMER_QUIZ_104763 | 3 | 78% | 0.14 | 3 | 23 | 0.17 | 3 | 0 | 18 | 0 | 2 |
| HOMER_QUIZ_104763 | 2 | 78% | 0.22 | 2 | 23 | 0.17 | 0 | 18 | 3 | 1 | 1 |
| HOMER_QUIZ_104763 | 4 | 91% | 0.48 | 4 | 23 | 0.08 | 0 | 2 | 0 | 21 | |
| HOMER_QUIZ_104761 | 1 | 70% | 0.00 | 1 | 23 | 0.21 | 16 | 1 | 3 | 3 | |
| HOMER_QUIZ_104765 | 2 | 57% | 0.45 | 2 | 23 | 0.25 | 2 | 13 | 2 | 2 | 4 |
| HOMER_QUIZ_104761 | 2 | 96% | 0.02 | 2 | 23 | 0.04 | 0 | 22 | 0 | 1 | |
| HOMER_QUIZ_104764 | 1 | 39% | -0.21 | 4 | 23 | 0.24 | 9 | 2 | 0 | 12 | |
| HOMER_QUIZ_104765 | 1 | 74% | 0.03 | 1 | 23 | 0.19 | 17 | 1 | 5 | | |
| HOMER_QUIZ_104765 | 3 | 91% | 0.42 | 3 | 23 | 0.08 | 0 | 0 | 21 | 1 | 1 |
| HOMER_QUIZ_104761 | 1 | 78% | 0.14 | 1 | 23 | 0.17 | 18 | 2 | 0 | 3 | |
| HOMER_QUIZ_104763 | 5 | 61% | 0.03 | 5 | 23 | 0.24 | 3 | 0 | 0 | 6 | 14 |
| HOMER_QUIZ_104765 | 3 | 30% | 0.07 | 3 | 23 | 0.21 | 1 | 5 | 7 | 6 | 4 |
| HOMER_QUIZ_104765 | 1 | 22% | -0.12 | 3 | 23 | 0.17 | 5 | 0 | 15 | 0 | 3 |
| HOMER_QUIZ_104765 | 4 | 48% | 0.54 | 4 | 23 | 0.25 | 10 | 0 | 2 | 11 | |
| HOMER_QUIZ_104761 | 1 | 48% | 0.27 | 1 | 23 | 0.25 | 11 | 0 | 1 | 5 | 6 |
| HOMER_QUIZ_104764 | 2 | 70% | 0.37 | 2 | 23 | 0.21 | 1 | 16 | 0 | 1 | 5 |
| HOMER_QUIZ_104766 | 4 | 100% | 0.00 | 4 | 23 | 0.00 | 0 | 0 | 0 | 23 | |
| HOMER_QUIZ_104761 | 1 | 78% | -0.06 | 1 | 23 | 0.17 | 18 | 5 | | | |
| HOMER_QUIZ_104761 | 4 | 57% | 0.32 | 4 | 23 | 0.25 | 6 | 2 | 2 | 13 | |
| HOMER_QUIZ_104761 | 2 | 74% | 0.49 | 2 | 23 | 0.19 | 0 | 17 | 1 | 0 | 5 |
| HOMER_QUIZ_104762 | 3 | 96% | -0.02 | 3 | 23 | 0.04 | 1 | 0 | 22 | | |
| HOMER_QUIZ_104764 | 5 | 43% | 0.20 | 4 | 23 | 0.25 | 1 | 0 | 0 | 12 | 10 |
| HOMER_QUIZ_104762 | 4 | 87% | 0.24 | 4 | 23 | 0.11 | 2 | 0 | 1 | 20 | |
| HOMER_QUIZ_104766 | 2 | 35% | -0.19 | 4 | 23 | 0.23 | 0 | 8 | 0 | 15 | |
| HOMER_QUIZ_104766 | 4 | 87% | 0.17 | 4 | 23 | 0.11 | 0 | 0 | 1 | 20 | 2 |
| HOMER_QUIZ_104764 | 3 | 30% | 0.32 | 1 | 23 | 0.21 | 7 | 6 | 7 | 3 | |
| HOMER_QUIZ_104762 | 1 | 96% | -0.06 | 1 | 23 | 0.04 | 22 | 1 | | | |
| HOMER_QUIZ_104762 | 1 | 39% | 0.16 | 2 | 23 | 0.24 | 9 | 12 | 1 | 1 | |
| HOMER_QUIZ_104762 | 2 | 74% | 0.28 | 2 | 23 | 0.19 | 3 | 17 | 3 | | |
| HOMER_QUIZ_104762 | 1 | 91% | -0.05 | 1 | 23 | 0.08 | 21 | 0 | 1 | 0 | 1 |
| HOMER_QUIZ_104764 | 4 | 22% | 0.32 | 2 | 23 | 0.17 | 4 | 10 | 2 | 5 | 2 |

Item Statistics

| Item ID | Key | Difficulty | PBIS | Mode Choice | Count | Variance | Option Count | | | | |
|-------------------|-----|------------|-------|----------------|-------|----------|--------------|----|----|----|----|
| | | | | | | | 1 | 2 | 3 | 4 | 5 |
| HOMER_QUIZ_104762 | 1 | 48% | 0.12 | 1 | 23 | 0.25 | 11 | 2 | 0 | 8 | 2 |
| HOMER_QUIZ_104766 | 5 | 48% | 0.54 | 5 | 23 | 0.25 | 4 | 3 | 0 | 5 | 11 |
| HOMER_QUIZ_104766 | 4 | 74% | -0.20 | 4 | 23 | 0.19 | 0 | 4 | 2 | 17 | |
| HOMER_QUIZ_104762 | 2 | 100% | 0.00 | 2 | 23 | 0.00 | 0 | 23 | | | |
| HOMER_QUIZ_104766 | 4 | 30% | 0.56 | 4 | 23 | 0.21 | 6 | 6 | 4 | 7 | |
| HOMER_QUIZ_104762 | 2 | 83% | 0.08 | 2 | 23 | 0.14 | 3 | 19 | 0 | 1 | |
| HOMER_QUIZ_104762 | 3 | 70% | 0.44 | 3 | 23 | 0.21 | 1 | 6 | 16 | | |
| HOMER_QUIZ_104764 | 2 | 39% | -0.25 | 2 | 23 | 0.24 | 1 | 9 | 1 | 4 | 8 |
| HOMER_QUIZ_104764 | 5 | 91% | 0.24 | 5 | 23 | 0.08 | 0 | 1 | 0 | 1 | 21 |
| HOMER_QUIZ_104764 | 3 | 43% | 0.30 | 3 | 23 | 0.25 | 7 | 1 | 10 | 5 | |
| HOMER_QUIZ_104764 | 1 | 87% | 0.05 | 1 | 23 | 0.11 | 20 | 0 | 1 | 2 | |
| HOMER_QUIZ_104764 | 2 | 52% | 0.49 | 2 | 23 | 0.25 | 1 | 12 | 7 | 2 | 1 |
| HOMER_QUIZ_104765 | 4 | 91% | 0.33 | 4 | 23 | 0.08 | 0 | 1 | 1 | 21 | |
| HOMER_QUIZ_104766 | 2 | 43% | 0.15 | 4 | 23 | 0.25 | 1 | 10 | 1 | 11 | |
| HOMER_QUIZ_104765 | 4 | 9% | 0.05 | 2 | 23 | 0.08 | 6 | 11 | 4 | 2 | |
| HOMER_QUIZ_104763 | 3 | 57% | 0.22 | 3 | 23 | 0.25 | 2 | 0 | 13 | 3 | 5 |

