



## Exam Analysis Report

Form 1 {LINKED}

Instructor: Fowler, George H.

Exam ID: 7713

Course: COLL-C 103 - 06fowler - Section: ALL

Number of Students Tested: 118

High: 57 (95.0%) Low: 21 (35.0%) Mean: 44.29 (73.8%) Median: 45.00 (75.0%) Standard Deviation: 6.50 Cronbach's Alpha .38

| ITEM       | A   |         | B   |         | C   |         | D   |         | E   |         | F   |   | G   |   | H   |   | I   |   | J   |   | PBS |
|------------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---|-----|---|-----|---|-----|---|-----|---|-----|
|            | TTL | R       | TTL | R       | TTL | R       | TTL | R       | TTL | R       | TTL | R | TTL | R | TTL | R | TTL | R | TTL | R |     |
| 1 - 89.0%  | 3   | .68/.02 | 10  | .66/.14 | 105 | .75/.10 |     |         |     |         |     |   |     |   |     |   |     |   |     |   | .25 |
| 2 - 70.3%  | 83  | .76/.11 | 23  | .70/.09 |     |         | 12  | .68/.11 |     |         |     |   |     |   |     |   |     |   |     |   | .28 |
| 3 - 78.8%  | 4   | .63/.08 | 9   | .69/.08 | 12  | .66/.13 | 93  | .76/.10 |     |         |     |   |     |   |     |   |     |   |     |   | .35 |
| 4 - 97.5%  | 115 | .74/.11 | 1   | .65/.00 | 1   | .70/.00 | 1   | .60/.00 |     |         |     |   |     |   |     |   |     |   |     |   | .13 |
| 5 - 81.4%  | 96  | .76/.10 | 3   | .67/.05 | 16  | .62/.07 | 3   | .77/.08 |     |         |     |   |     |   |     |   |     |   |     |   | .42 |
| 6 - 76.3%  | 11  | .67/.09 | 8   | .64/.07 | 90  | .77/.09 | 9   | .62/.15 |     |         |     |   |     |   |     |   |     |   |     |   | .48 |
| 7 - 64.4%  | 5   | .65/.09 | 76  | .78/.09 | 7   | .66/.06 | 29  | .66/.10 | 1   | .70/.00 |     |   |     |   |     |   |     |   |     |   | .55 |
| 8 - 90.7%  |     |         | 8   | .71/.07 | 107 | .74/.11 | 2   | .80/.00 | 1   | .70/.00 |     |   |     |   |     |   |     |   |     |   | .05 |
| 9 - 28.8%  | 34  | .81/.09 | 30  | .70/.12 | 25  | .72/.09 | 29  | .72/.09 |     |         |     |   |     |   |     |   |     |   |     |   | .40 |
| 10 - 78.0% | 2   | .55/.00 | 92  | .75/.10 | 21  | .72/.09 | 3   | .60/.19 |     |         |     |   |     |   |     |   |     |   |     |   | .23 |
| 11 - 50.8% | 6   | .74/.09 | 60  | .77/.10 | 6   | .68/.09 | 46  | .71/.11 |     |         |     |   |     |   |     |   |     |   |     |   | .25 |
| 12 - 96.6% | 2   | .80/.05 |     |         | 2   | .65/.05 | 114 | .74/.11 |     |         |     |   |     |   |     |   |     |   |     |   | .02 |
| 13 - 93.2% | 5   | .75/.13 | 1   | .70/.00 | 2   | .50/.15 | 110 | .74/.10 |     |         |     |   |     |   |     |   |     |   |     |   | .14 |
| 14 - 93.2% | 3   | .63/.10 | 2   | .43/.08 | 3   | .70/.08 | 110 | .75/.10 |     |         |     |   |     |   |     |   |     |   |     |   | .33 |
| 15 - 37.3% | 44  | .78/.09 | 8   | .66/.13 | 39  | .73/.12 | 27  | .70/.08 |     |         |     |   |     |   |     |   |     |   |     |   | .33 |
| 16 - 60.2% | 20  | .66/.11 | 71  | .78/.09 | 16  | .68/.12 | 11  | .71/.09 |     |         |     |   |     |   |     |   |     |   |     |   | .42 |
| 17 - 92.4% | 2   | .70/.05 | 109 | .74/.11 | 4   | .68/.08 | 3   | .70/.15 |     |         |     |   |     |   |     |   |     |   |     |   | .13 |

Understanding Your Report: Next to each Item number is the % of students that answered the item correctly. The TTL column indicates the total number of students that selected the represented option. The R value is the mean score (%) and Std. Deviation of scores for a particular distractor. You would expect that the students that did well on the exam selected the correct response, thus generating a higher mean score and a higher PBS (Point Biserial Correlation). In cases where an incorrect response distracted students that did well on the exam, exhibited by a high R value, should result in a lower PBS score. PBS score ranges from -1.0 to 1.0, with a minimum desired score greater than 0.15. Refer to the color legend to identify problem items.

Report Date: Tuesday, March 26, 2019 08:38:01

Color Legend:

Correct

Incorrect

Review

Marginal

Better

Best

Page:

1



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|------------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---|-----|---|-----|---|-----|---|-----|---|-----|---|-----|
|            | TTL | R       | TTL | R       | TTL | R       | TTL | R       | TTL | R | TTL | R | TTL | R | TTL | R | TTL | R | TTL | R |     |
| 18 - 94.1% | 6   | .67/.10 | 111 | .74/.11 |     |         |     |         |     |   |     |   |     |   |     |   |     |   |     |   | .20 |
| 19 - 63.6% | 16  | .73/.10 | 21  | .73/.09 | 6   | .65/.11 | 75  | .75/.11 |     |   |     |   |     |   |     |   |     |   |     |   | .13 |
| 20 - 39.8% | 47  | .77/.10 | 18  | .76/.10 | 1   | .70/.00 | 52  | .70/.11 |     |   |     |   |     |   |     |   |     |   |     |   | .23 |

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