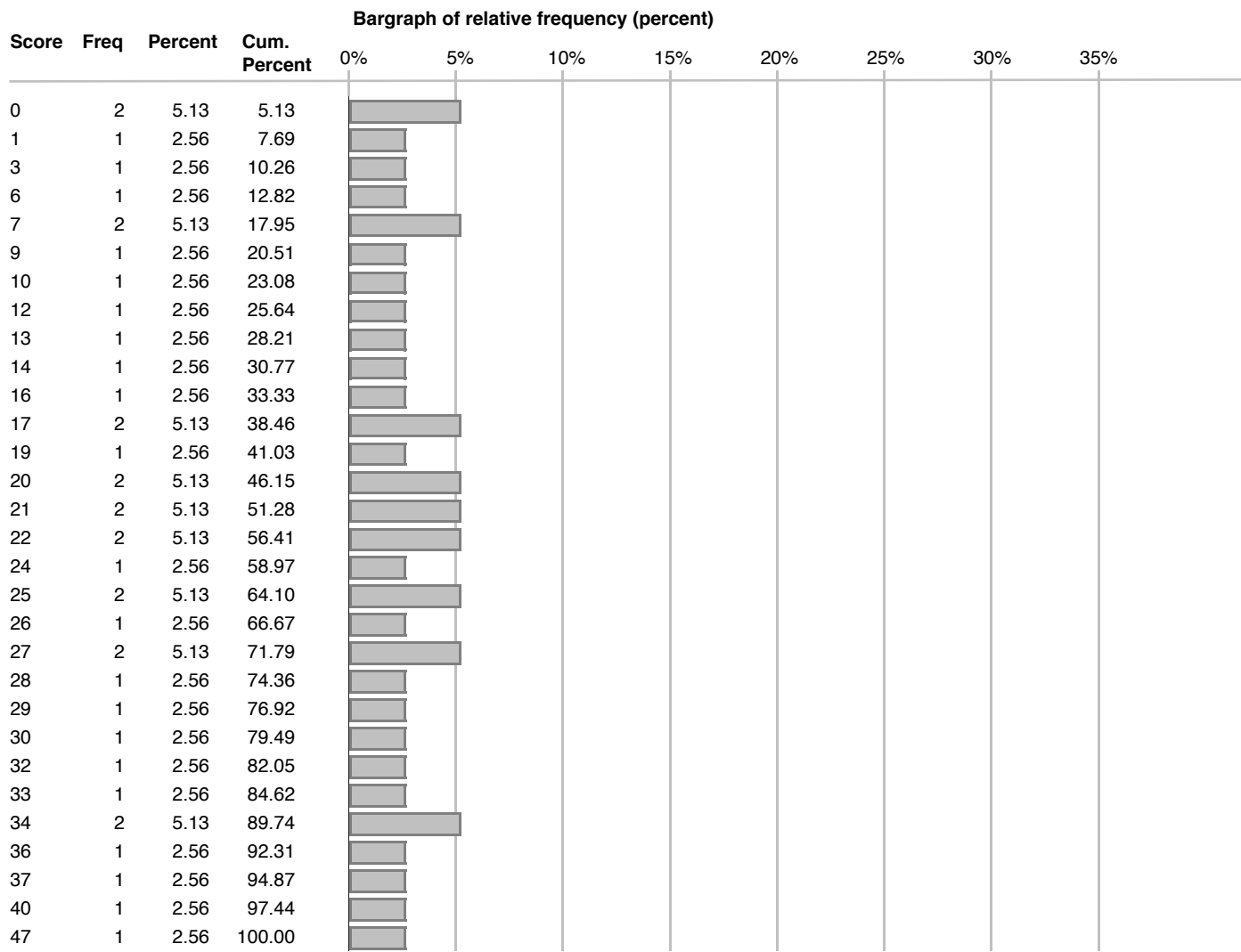


SCORE ROSTER by student number/last 4 digits

Student Id	MidTerm1
0002	21.00
0256	26.00
0465	40.00
0469	12.00
0470	33.00
0512	36.00
0693	25.00
0726	6.00
1156	29.00
1168	1.00
1225	21.00
1262	24.00
1845	32.00
2159	37.00
2169	25.00
2251	3.00
2917	20.00
3398	28.00
3616	0.00
4016	16.00
4170	19.00
4971	22.00
6130	34.00
6272	13.00
6331	20.00
6589	22.00
6949	10.00
7063	0.00
7601	17.00
7712	7.00
7772	27.00
8097	17.00
8533	34.00
8926	47.00
8995	27.00
9009	9.00
9131	14.00
9182	7.00
9386	30.00

39 students listed on this roster.

















FREQUENCY DISTRIBUTION for MidTerm1



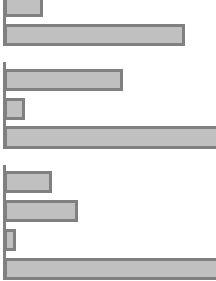
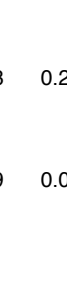






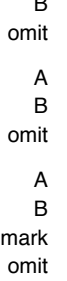
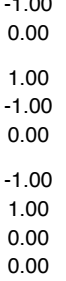
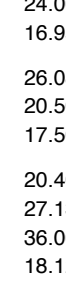
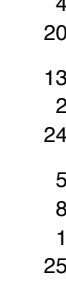
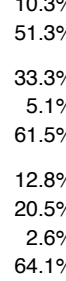



1 student = 2.56% of the group.

Score Name	Number of Students	Average Score	Standard Deviation	Largest Observed Score	Smallest Observed Score
MidTerm1	39	20.79	11.55	47.00	0.00

ITEM ANALYSIS for keyed score: MidTerm1

Item	Mean	StDev	Difficulty	Discrimination	Alternative	Weight	Means	Frequencies	Distribution
1	0.54	0.81	54 - Medium	0.07 - Poor	A	1.00	21.17	29 74.4%	
					B	-1.00	20.50	8 20.5%	
					omit	0.00	6.00	2 5.1%	
2	0.51	0.75	51 - Medium	0.25 - Fair	A	-1.00	16.67	6 15.4%	
					B	1.00	22.62	26 66.7%	
					omit	0.00	14.71	7 17.9%	
3	0.44	0.84	44 - Hard	0.20 - Fair	A	1.00	22.54	26 66.7%	
					B	-1.00	18.33	9 23.1%	
					omit	0.00	10.75	4 10.3%	
4	0.69	0.69	69 - Medium	0.16 - Fair	A	1.00	21.13	32 82.1%	
					B	-1.00	16.60	5 12.8%	
					omit	0.00	12.50	2 5.1%	
5	0.77	0.58	77 - Medium	0.39 - Good	A	1.00	21.88	33 84.6%	
					B	-1.00	7.00	3 7.7%	
					omit	0.00	12.67	3 7.7%	
6	0.64	0.66	64 - Medium	0.46 - Good	A	1.00	23.24	29 74.4%	
					B	-1.00	9.50	4 10.3%	
					omit	0.00	12.33	6 15.4%	
7	0.72	0.55	72 - Medium	0.31 - Good	A	1.00	22.23	30 76.9%	
					B	-1.00	14.00	2 5.1%	
					omit	0.00	12.57	7 17.9%	
8	0.31	0.85	31 - Hard	0.39 - Good	A	1.00	25.27	22 56.4%	
					B	-1.00	16.40	10 25.6%	
					omit	0.00	11.29	7 17.9%	
9	0.77	0.53	77 - Medium	0.45 - Good	A	1.00	22.44	32 82.1%	
					B	-1.00	6.00	2 5.1%	
					omit	0.00	10.20	5 12.8%	
10	0.72	0.60	72 - Medium	0.40 - Good	A	1.00	22.87	31 79.5%	
					B	-1.00	13.67	3 7.7%	
					omit	0.00	6.60	5 12.8%	
11	0.87	0.40	87 - Easy	0.28 - Fair	A	1.00	21.46	35 89.7%	
					B	-1.00	23.00	1 2.6%	
					omit	0.00	1.00	3 7.7%	
12	0.72	0.60	72 - Medium	0.53 - Good	A	-1.00	6.67	3 7.7%	
					B	1.00	23.23	31 79.5%	
					omit	0.00	8.60	5 12.8%	
13	0.46	0.63	46 - Hard	0.34 - Good	A	1.00	24.48	21 53.8%	
					B	-1.00	18.00	3 7.7%	
					omit	0.00	15.00	15 38.5%	
14	0.59	0.71	59 - Medium	0.32 - Good	A	1.00	23.57	28 71.8%	
					B	-1.00	19.20	5 12.8%	
					omit	0.00	5.33	6 15.4%	
15	0.51	0.71	51 - Medium	0.15 - Fair	A	1.00	23.12	25 64.1%	
					B	-1.00	25.00	5 12.8%	
					omit	0.00	9.78	9 23.1%	
16	0.51	0.71	51 - Medium	0.42 - Good	A	-1.00	16.00	5 12.8%	
					B	1.00	24.60	25 64.1%	
					omit	0.00	10.67	9 23.1%	

Item	Mean	StDev	Difficulty	Discrimination	Alternative	Weight	Means	Frequencies	Distribution
17	0.26	0.78	26 - Hard	0.15 - Fair	A	-1.00	22.38	8 20.5%	
					B	1.00	24.22	18 46.2%	
					omit	0.00	14.31	13 33.3%	
18	0.00	0.75	0 - Hard	0.45 - Good	A	1.00	29.45	11 28.2%	
					B	-1.00	15.91	11 28.2%	
					omit	0.00	18.35	17 43.6%	
19	0.38	0.77	38 - Hard	0.38 - Good	A	1.00	25.45	22 56.4%	
					B	-1.00	18.00	7 17.9%	
					omit	0.00	11.00	10 25.6%	
20	0.67	0.57	67 - Medium	0.40 - Good	A	1.00	23.32	28 71.8%	
					B	-1.00	15.00	2 5.1%	
					omit	0.00	11.33	9 23.1%	
21	0.62	0.62	62 - Medium	0.17 - Fair	A	1.00	22.04	27 69.2%	
					B	-1.00	21.00	3 7.7%	
					omit	0.00	14.33	9 23.1%	
22	-0.03	0.80	-3 - Hard	0.32 - Good	A	1.00	28.17	12 30.8%	
					B	-1.00	18.85	13 33.3%	
					omit	0.00	16.36	14 35.9%	
23	-0.05	0.78	-5 - Hard	0.39 - Good	A	-1.00	17.85	13 33.3%	
					B	1.00	29.55	11 28.2%	
					omit	0.00	17.07	15 38.5%	
24	0.05	0.85	5 - Hard	0.14 - Fair	A	-1.00	22.69	13 33.3%	
					B	1.00	25.87	15 38.5%	
					omit	0.00	11.45	11 28.2%	
25	0.05	0.88	5 - Hard	0.49 - Good	A	-1.00	16.29	14 35.9%	
					B	1.00	28.44	16 41.0%	
					omit	0.00	14.00	9 23.1%	
26	0.54	0.67	54 - Medium	0.14 - Fair	A	1.00	22.52	25 64.1%	
					B	-1.00	24.00	4 10.3%	
					omit	0.00	13.10	10 25.6%	
27	0.33	0.80	33 - Hard	0.36 - Good	A	1.00	25.14	21 53.8%	
					B	-1.00	17.00	8 20.5%	
					omit	0.00	13.40	10 25.6%	
28	0.54	0.71	54 - Medium	0.21 - Fair	A	-1.00	18.60	5 12.8%	
					B	1.00	22.46	26 66.7%	
					omit	0.00	14.13	8 20.5%	
29	0.77	0.53	77 - Medium	0.45 - Good	A	1.00	22.69	32 82.1%	
					B	-1.00	10.50	2 5.1%	
					omit	0.00	6.80	5 12.8%	
30	0.31	0.88	31 - Hard	0.25 - Fair	A	1.00	24.09	23 59.0%	
					B	-1.00	19.18	11 28.2%	
					omit	0.00	6.80	5 12.8%	
31	0.59	0.63	59 - Medium	0.19 - Fair	A	1.00	22.12	26 66.7%	
					B	-1.00	18.67	3 7.7%	
					omit	0.00	15.70	10 25.6%	
32	0.77	0.53	77 - Medium	0.43 - Good	A	1.00	22.22	32 82.1%	
					B	-1.00	5.00	2 5.1%	
					omit	0.00	12.00	5 12.8%	
33	0.72	0.55	72 - Medium	0.36 - Good	A	1.00	22.70	30 76.9%	
					B	-1.00	16.00	2 5.1%	
					omit	0.00	10.00	7 17.9%	

Item	Mean	StDev	Difficulty	Discrimination	Alternative	Weight	Means	Frequencies	Distribution
34	0.64	0.62	64 - Medium	0.43 - Good	A	1.00	23.32	28 71.8%	
					B	-1.00	10.67	3 7.7%	
					omit	0.00	12.63	8 20.5%	
35	-0.10	0.93	-10 - Hard	0.37 - Good	A	-1.00	18.05	19 48.7%	
					B	1.00	27.27	15 38.5%	
					omit	0.00	12.60	5 12.8%	
36	0.62	0.66	62 - Medium	0.06 - Poor	A	1.00	21.21	28 71.8%	
					B	-1.00	23.00	4 10.3%	
					omit	0.00	14.43	7 17.9%	
37	0.46	0.59	46 - Hard	0.43 - Good	A	1.00	25.05	20 51.3%	
					B	-1.00	11.50	2 5.1%	
					omit	0.00	15.82	17 43.6%	
38	0.23	0.73	23 - Hard	0.02 - Poor	A	1.00	23.44	16 41.0%	
					B	-1.00	26.14	7 17.9%	
					omit	0.00	15.25	16 41.0%	
39	0.38	0.62	38 - Hard	0.34 - Good	A	-1.00	17.00	3 7.7%	
					B	1.00	25.06	18 46.2%	
					omit	0.00	16.33	18 46.2%	
40	0.26	0.67	26 - Hard	0.40 - Good	A	1.00	26.60	15 38.5%	
					B	-1.00	15.40	5 12.8%	
					omit	0.00	17.11	19 48.7%	
41	0.38	0.58	38 - Hard	0.29 - Fair	A	1.00	24.94	17 43.6%	
					B	-1.00	21.50	2 5.1%	
					omit	0.00	16.45	20 51.3%	
42	0.00	0.82	0 - Hard	-0.03 - Poor	A	1.00	22.85	13 33.3%	
					B	-1.00	23.77	13 33.3%	
					omit	0.00	15.77	13 33.3%	
43	0.51	0.64	51 - Medium	0.42 - Good	A	1.00	24.57	23 59.0%	
					B	-1.00	14.00	3 7.7%	
					omit	0.00	14.15	13 33.3%	
44	-0.18	0.75	-18 - Hard	0.32 - Good	A	-1.00	20.00	15 38.5%	
					B	1.00	32.13	8 20.5%	
					omit	0.00	16.31	16 41.0%	
45	0.46	0.50	46 - Hard	0.34 - Good	A	1.00	24.56	18 46.2%	
					B	-1.00	0.00	0 0.0%	
					omit	0.00	16.71	21 53.8%	
46	0.21	0.65	21 - Hard	0.20 - Fair	A	1.00	23.38	13 33.3%	
					B	-1.00	16.40	5 12.8%	
					omit	0.00	19.86	21 53.8%	
47	0.28	0.64	28 - Hard	0.15 - Fair	A	1.00	24.33	15 38.5%	
					B	-1.00	24.00	4 10.3%	
					omit	0.00	16.95	20 51.3%	
48	0.28	0.55	28 - Hard	0.30 - Good	A	1.00	26.08	13 33.3%	
					B	-1.00	20.50	2 5.1%	
					omit	0.00	17.50	24 61.5%	
49	0.08	0.57	8 - Hard	0.21 - Fair	A	-1.00	20.40	5 12.8%	
					B	1.00	27.13	8 20.5%	
					multi-mark	0.00	36.00	1 2.6%	
					omit	0.00	18.12	25 64.1%	

Score: MidTerm1
Reliability: 0.84
Standard error of measurement: 4.57

Discrimination	Questions		
	Hard (0 - 50)	Medium (50 - 85)	Easy (85 - 100)
Poor (< 0.1)	38, 42	1, 36	
Fair (0.1 - 0.3)	3, 17, 24, 30, 41, 46, 47, 49	2, 4, 15, 21, 26, 28, 31	11
Good (> 0.3)	8, 13, 18, 19, 22, 23, 25, 27, 35, 37, 39, 40, 44, 45, 48	5, 6, 7, 9, 10, 12, 14, 16, 20, 29, 32, 33, 34, 43	

Reliability coefficient alpha - a measure of the internal consistency of the exam. This statistic ranges from 0 to 1.00, and the higher the value the better.

Standard error of measurement a measure of accuracy of individual student scores. The smaller the number, the more accurate the measurement.

Difficulty the percentage of students answering the question correctly. In cases of more complex weighting, it is computed as: $(100 * \text{total points earned}) / \text{total possible points}$.

Discrimination the correlation of responses to individual items with overall test score. The higher the correlation, the more the item results are consistent with the test as a whole.

Note: The divisions among levels of difficulty and discrimination are somewhat arbitrary. The underlying variables are continuous.

This summarizes the scoring job. Your run will be saved in our archives under the file name shown.

File: 12227M1.DAT
Bookkeeping account: 12227
Budget: 06-0456

SCORE STATISTICS

Score Name	Number of Students	Average Score	Standard Deviation	Largest Observed Score	Smallest Observed Score
MidTerm1	39	20.79	11.55	47.00	0.00

39 total students saved for this account.

- 1 Roster - by student name
- 1 Roster - by student number (no names/last 4 digits)
- 1 Roster - high/low by score
- 1 Frequency Distributions
- 1 Item Analysis

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