

Gradebook

Files Edit Compute Reports

YOUR GRADEBOOK FOR:

File: C:\Documents and Settings\wgmillr\My Document

Directory (click folder icon to change)

C:\Documents and Settings\wgmillr\My Documents\Laz5

cansas.MAT
index.htm
LazStats.exe
LazStats.ico
LazStats.ini
LazStatsSetup.iss
Options.txt

Start New Name Protection:
Exit Turn ON
 Turn OFF

Last Name	First Name	M.I.	Test 1 Raw	Test 1 z	Test 1 T	%ile Rank	Grade 1	Test 2 Raw	Test 2 z
Bohr	Neil		100	1.315561	63.15561	97.22	A	20	1.45209
Einstein	Albert		99	1.285006	62.85006	91.67	A	18	1.11042
Gershwin	George		88	0.948902	59.48902	80.56	A	10	-0.2562
Gates	William		77	0.612797	56.12797	69.44	B	17	0.93959
Obama	Michelle		66	0.276692	52.76692	52.78	B	19	1.28126
Miller	Bill		55	-0.05941	49.40587	36.11	C	11	-0.0854
Limbaugh	Rush		20	-1.12883	38.71162	19.44	D	1	-1.7937
Palin	Sarah		10	-1.43438	35.65612	13.89	D	2	-1.6229
Binladin	Osama		0	-1.73993	32.60062	0.00	F	3	-1.4520
Grobin	Josh		70	0.398912	53.98912	61.11	B	7	-0.7687
Obama	Barock		88	0.948902	59.48902	80.56	A	13	0.2562
Benton	Barbara		70	0.398912	53.98912	61.11	B	15	0.59792
Moreland	Robert		65	0.246137	52.46137	47.22	B	10	-0.2562
Edwards	John		24	-1.00661	39.93382	25.00	C	16	0.76875
Kunstler	Michael		62	0.154472	51.54472	41.67	C	8	-0.5979
Faraday	James		8	-1.49549	35.04502	8.33	F	9	-0.4270
Kent	Clark		88	0.948902	59.48902	80.56	A	17	0.93959
McClain	John		35	-0.67051	43.29487	30.56	C	11	-0.0854

Notice that there is an area which displays the current file name. Grade Book files have a suffix label of .GBK. The current example file name is textgradebook.GBK and contains three tests for 18 students. There is also a weighted composite of scores toward the end of the data grid. Drag the “slider” bar to the right to see or record scores. You will notice a “Name Protection” box which can be turned on or off. If you turn it on, the student names will stay visible when you slide the test score grid to the right.

The Compute Analysis Option

There are two options under the Compute menu. The first is to analyze a test and the second is to obtain a weighted composite of two or more recorded test scores. If the user selects the analysis option, the following forms appears:

Which test (number)

TEST:

1

OK Cancel

No. of Test Items or maximum score possi...

Number:

100

OK Cancel

The first form is used to enter the number of the test to analyze. The second form is to indicate the number of items in the test (or maximum test score possible.) This information is used to estimate the test reliability using the Kuder-Richardson formula 21 and to identify the top score when assigning grades to the students. Once these two forms are entered with the required data, the form below appears:

Specification for Grades

To Assign Grades Use:

Raw Test Scores

z Scores

T Scores

Percentile Rank Scores

Use the following Grade Categories:

A, B, C, D, F

A, A-, B+, B, B-, C+, C, C-, D+, D, D-, F

Score	Frequency	Grade Given	Grades	Top Score	Down Through	No. Assigned

Save Specs.

Load Specs.

Reset

Cancel

Compute

Return

The user can use this form to assign student grades on the basis of a raw score (typical) or on the basis of one of the transformation scores. The user can also assign grades on either a 5 point or a 12 point scale. First click the type of score to use. Next click the button for the number of letter grades to use. At this point the maximum score will be shown in the column marked "Top Score". The user then clicks on the corresponding space under the "Down Through" column and enters the low score for the first grade category. The "Enter" key must be pressed to record this low score. When the low score is entered, the program calculates the number of students that will receive that grade. The top score for the next grading category will also appear automatically in the "Top Score" column. This process is repeated for each grade category. When the last grade category has been entered, the user may then click the "Compute" button to automatically record the obtained grades in the Grade Book.

The following image shows an example of grading the first test in the example grade book. Notice that the grid on the far left contains the sorted scores in one column and the frequency of those scores in the second column. This provides a useful guide when selecting the cutting scores for the grades.

Specification for Grades

To Assign Grades Use:

Raw Test Scores
 z Scores
 T Scores
 Percentile Rank Scores

Use the following Grade Categories:

A, B, C, D, F
 A, A-, B+, B, B-, C+, C, C-, D+, D, D-, F

Score	Frequency	Grade Given	Grades	Top Score	Down Through	No. Assigned
100	1	A	A	100	95	2
99	1	A	B	94	80	3
88	3	B	C	79	60	6
77	1	C	D	59	25	2
70	2	C	F	24	0	5
66	1	C				
65	1	C				
62	1	C				
55	1	D				
35	1	D				
24	1	F				
20	1	F				
10	1	F				
8	1	F				

Buttons: Save Specs., Load Specs., Reset, Cancel, Compute, Return

When you click the compute button, the grades are automatically recorded in the gradebook. The form above will also show the grades given to each score. Upon clicking the Return button, the following results are displayed:

Test Analysis Results

Mean = 56.94, Variance = 1071.114, Std.Dev. = 32.728

Kuder-Richardson Formula 21 Reliability Estimate = 0.9870

PERCENTILE RANKS

Score Value Frequency Cum.Freq. Percentile Rank

Score Value	Frequency	Cum.Freq.	Percentile Rank
0.000	1.00	1.00	2.78
8.000	1.00	2.00	8.33
10.000	1.00	3.00	13.89
20.000	1.00	4.00	19.44
24.000	1.00	5.00	25.00
35.000	1.00	6.00	30.56
55.000	1.00	7.00	36.11
62.000	1.00	8.00	41.67
65.000	1.00	9.00	47.22
66.000	1.00	10.00	52.78
70.000	2.00	12.00	61.11
77.000	1.00	13.00	69.44
88.000	3.00	16.00	80.56
99.000	1.00	17.00	91.67
100.000	1.00	18.00	97.22

