

A*Star® Audit Review

Example Audit Report 4.08 Grade 5 Reading

This Example Audit Report lists the A*Star review results for 19 classroom groups at 5 schools. The results presented here are for real classrooms at real schools. The class and school identification numbers have, however, been assigned by A*Star and bear no relationship to the original. The schools represent schools with and without problems in test administration and schools with a broad range and narrow range of class average scores.

The Audit results for the different classes offer the opportunity to review the nature of the statistical measures provided by the A*Star method and to compare their relationship to other classrooms in the same and in other schools. Thumbnail descriptions of the measures are provided at the bottom of the listing and arrows are used to highlight exceptional values.

The separate document, *A Description of the A*Star Audit: Example Report 4.08 and Class Response Pattern Profiles*, provides a more complete description of the nature of misadministration in classroom testing, the measures used in the A*Star Audit, and a graphical analysis (Response Pattern Profile) for each of the classrooms listed in this Example Report.

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Grade 5 Reading
A*Star Audit Example Report 4.08

A*Star Audit of Classroom Test Administration

Classroom Response Pattern Parameters

School	Class	A*Star Review		Observed Scores		Early - Late Test Performance		P-value Correlation		Exceptional Item Performance		Isolated Range of Except. Performance		Performance over the Last 5 Items									
		Audit Score	Subject Group	Number Tested	Scale Score	Raw Score	Mean	SD	Forecast total score based on First 60% Last 40%	SPD	P => Obs	Adjusted	P =< Obs.	Unadj.	z => 1.6	z => 2.0	P => Obs.	Iso. R	P => Obs.	Avg. Pval.	z Score	Pct. Attp.	
All Classroom Norms				24.4	657.3	22.8	29.1	5.8	29.1	29.1	0.0	0.892	0.894	0.894	5.9	1.9	16.5						
				4.6	18.8	7.2	5.0	1.2	4.9	4.9	1.7	0.038	0.037	0.037	2.8	1.7	4.6						

School 102 with 3 classes, each with good agreement with the norm

School	Class	Audit Score	Subject Group	Number Tested	Scale Score	Raw Score	Mean	SD	Forecast total score based on First 60% Last 40%	SPD	P => Obs	Adjusted	P =< Obs.	Unadj.	z => 1.6	z => 2.0	P => Obs.	Iso. R	P => Obs.	Avg. Pval.	z Score	Pct. Attp.
102	501	21		657.8	15.7	29.2	5.0		30.8	27.5	3.3	0.930	83.9%	0.930			69.9%	17.9	37.9%	37%	-1.1	99%
102	502	21		669.8	25.9	32.3	6.6		32.6	31.8	0.8	0.920	76.7%	0.920			47.7%	12.5	80.8%	50%	-0.1	99%
102	503	24		658.0	24.1	29.0	7.2		30.0	28.0	2.0	0.900	58.0%	0.900			69.9%	17.6	40.4%	43%	0.1	98%

School 109 with 3 classes, each with modest to significant deviations from the norm - Extended time?

School	Class	Audit Score	Subject Group	Number Tested	Scale Score	Raw Score	Mean	SD	Forecast total score based on First 60% Last 40%	SPD	P => Obs	Adjusted	P =< Obs.	Unadj.	z => 1.6	z => 2.0	P => Obs.	Iso. R	P => Obs.	Avg. Pval.	z Score	Pct. Attp.
109	501	23		656.7	21.6	28.6	6.1		27.3	30.0	-2.7	0.870	27.9%	0.880			86.5%	20.7	17.6%	48%	1.4	96%
109	502	23		656.4	29.6	28.3	7.8		27.4	29.3	-1.9	0.740	0.0%	0.790			26.2%	30.4	0.1%	62%	2.8	90%
109	503	24		666.2	23.7	31.4	6.8		29.7	33.1	-3.4	0.860	19.8%	0.860			3.6%	27.9	0.6%	53%	0.9	98%

School 337 with 3 classes, 1 with improper influence

School	Class	Audit Score	Subject Group	Number Tested	Scale Score	Raw Score	Mean	SD	Forecast total score based on First 60% Last 40%	SPD	P => Obs	Adjusted	P =< Obs.	Unadj.	z => 1.6	z => 2.0	P => Obs.	Iso. R	P => Obs.	Avg. Pval.	z Score	Pct. Attp.
337	501	23		665.5	14.9	31.7	4.7		30.8	32.4	-1.6	0.570	0.0%	0.580			17.3%	25	15	0.0%	-2.5	100%
337	502	28		683.7	23.0	36.0	5.3		36.5	35.0	1.5	0.890	47.6%	0.890			26.2%	10.7	89.4%	59%	-0.1	100%
337	503	27		651.6	17.9	27.3	5.7		27.7	27.0	0.6	0.930	83.9%	0.940			86.5%	15.9	54.7%	38%	0.1	96%

School 435 with 5 classes, each with good agreement with the norm, and wide a range of class average scores

School	Class	Audit Score	Subject Group	Number Tested	Scale Score	Raw Score	Mean	SD	Forecast total score based on First 60% Last 40%	SPD	P => Obs	Adjusted	P =< Obs.	Unadj.	z => 1.6	z => 2.0	P => Obs.	Iso. R	P => Obs.	Avg. Pval.	z Score	Pct. Attp.	
435	501	32		675.8	17.8	34.5	5.2		33.9	34.9	-1.0	0.880	47.6%	0.880			28.8%	1	1	69.9%	64%	0.6	100%
435	502	25		641.5	17.5	24.1	5.4		24.6	23.9	0.7	0.940	89.5%	0.940			35.3%	2	1	69.9%	28%	-0.7	98%
435	503	22		641.2	26.6	24.5	7.1		24.7	24.7	0.0	0.920	76.7%	0.920			49.3%	4	1	69.9%	34%	0.2	100%
435	504	29		633.1	34.4	22.9	5.6		23.3	22.8	0.4	0.890	47.6%	0.890			40.7%	6	2	47.7%	31%	-0.1	100%
435	505	31		662.5	21.1	30.7	6.2		30.9	30.3	0.6	0.930	83.9%	0.930			35.6%	2	0	86.5%	47%	0.1	100%

School 436 with 5 classes - 2 with elevated irregularity, 1 deliberate, 1 confused

School	Class	Audit Score	Subject Group	Number Tested	Scale Score	Raw Score	Mean	SD	Forecast total score based on First 60% Last 40%	SPD	P => Obs	Adjusted	P =< Obs.	Unadj.	z => 1.6	z => 2.0	P => Obs.	Iso. R	P => Obs.	Avg. Pval.	z Score	Pct. Attp.	
436	501	30		662.0	22.7	30.7	6.2		30.9	30.4	0.5	0.920	76.7%	0.910			39.4%	5	0	86.5%	49%	0.4	100%
436	502	31		656.1	9.1	28.7	3.0		27.6	29.8	-2.2	0.540	0.0%	0.510			10.2%	30	28	0.0%	0.0%	-4.0	95%
436	503	23		640.7	26.1	24.4	7.5		24.6	24.5	0.2	0.880	37.3%	0.880			46.3%	7	2	47.7%	30%	-0.6	100%
436	505	17		628.4	15.8	20.4	4.3		21.4	19.8	1.6	0.870	27.9%	0.890			18.4%	8	2	47.7%	27%	-0.8	78%
436	506	19		601.7	27.2	15.6	3.6		12.8	19.5	-6.8	0.570	0.0%	0.550			0.0%	6	0	86.5%	37%	1.1	100%

Severe irregularity

Unexpectedly high performance at the end of the test

Exceptionally low correlation with the norm

Limited encouragement to guess

Thumbnail Description of response pattern values.

A*Star Audit Score	Pattern Irregularity	Early - Late Test Performance	P-value Correlation	Exceptional Item Performance	Isolated Range	Performance over the Last 5 Items
1 = Modest		The first two values are the forecast total score based on the first 60% and the last 40% of the test content. The third value is the difference.	Both Adjusted and Unadjusted correlations with the class skill level norm are presented. Adjusted values are more sensitive, yet the difference between them is most often due to guessing. Correlations below .750 are rare and always indicate a significant problem in test administration. Values from .750 to .850 vary in interpretation.	A count of the number of test items that are 1.6 or 2.0 SD from the norm. High numbers indicate a problem in the test administration. Low numbers together with a low correlation indicate confusion in the test administration.	This value reports the highest level of difference between the class and the norm over a short section of the test. A high value indicates the potential assistance with a test section - often the last section of the test.	The first value is the average p-value over the last 5 test items. The second value is the z score (SD units) difference between the class average and the class skill level norm average. The third value is the percentage of the last 5 items attempted by the class (No. Attps / (n x 5)). A combination of high z score and higher percent attempts suggests extended time or improper assistance.
2 = Significant		Higher relative early performance is likely a result of variations in guessing, lowering late performance.				
3 = Severe		Higher late performance may be due to problems in the start of the test or to extended time or to assistance to lower performing test-takers				

Frequency in the total file.	Pct.
1	12.60%
2	2.30%
3	0.60%

