

Lafayette Instrument Company

Objective Scoring System - Version 3

By Raymond Nelson, Mark Handler and Donald Krapohl (2007)

Result **No Significant Reactions**
 Description **p-value: < 0.001 - Probability this result was produced by a deceptive person**
 Exam Type Event Specific/Single Issue (Zone)
 Scoring Method OSS-3 Two-stage (Senter 2003)
 Test of Proportions None - No significant differences in artifact distribution
 PF Name UTAH_X286728
 Report Date Monday, August 05, 2024
 Subject
 Examiner Raymond Nelson

Spot Scores		Decision Alpha (1 tailed) <small>Cumulative normal distribution (Barland 1985)</small>		Components		
ID	p-value	Result	Setting	Value	Component	Weight
R5	< 0.001		NSR	0.050	Pneumo	0.19
R8	< 0.001		SR	0.050	EDA	0.53
R11	< 0.001		Bonferroni corrected alpha	0.017	Cardio	0.28
			Test of Proportions (1 tailed)	0.050		

Relevant Questions		
ID	Question Text	Answer
R5 R5		No
R8 R8		No
R11 R11		No

Charts Scored				
Exam	Chart	Date	Time	
1	1	12/31/1969	7:00 PM	
1	2	12/31/1969	7:00 PM	
1	3	12/31/1969	7:00 PM	

Remarks

Measurements (Kircher and Raskin 1988)						
Exam 1 Chart 1						
	C4	R5	C7	R8	C10	R11
P1	399	420	322	429	382	440
P2	422	444	348	456	381	392
EDA	49	36	20	38	18	9
Cardio	57	19	36	45	57	7
SE	842	840	794	873	854	830
Exam 1 Chart 2						
	C4	R5	C7	R8	C10	R11
P1	405	437	398	447	383	384
P2	399	447	415	440	443	390
EDA	292	47	137	0	56	0
Cardio	38	26	33	22	52	15
SE	788	767	761	753	797	774
Exam 1 Chart 3						
	C4	R5	C7	R8	C10	R11
P1	407	391	438	388	470	347
P2	369	376	400	381	382	327
EDA	30	0	51	26	105	24
Cardio	63	31	22	31	65	45
SE	608	611	572	579	611	583

Standardized Lognormal Ratios			
Exam 1 Chart 1			
	R5	R8	R11
P	1.72	1.97	2.04
EDA	-0.39	-0.50	2.39
Cardio	3.00	0.46	3.00
WMean	0.96	0.24	2.49
Mean		1.23	
Exam 1 Chart 2			
	R5	R8	R11
P	1.30	1.51	0.00
EDA	2.52		
Cardio	2.30	3.00	3.00
WMean	2.22	2.39	1.78
Mean		2.13	
Exam 1 Chart 3			
	R5	R8	R11
P	0.00	0.00	-1.82
EDA		1.78	1.94
Cardio	2.42	2.42	0.46
WMean	1.44	1.62	0.80
Mean		1.29	

Channel Contributions						
Component	Proportion	Area	Chart	Proportion	ID	Proportion
Pneumo	0.224	0.737	Exam 1 Chart 1	0.321	R5	0.333
EDA	0.328	0.099	Exam 1 Chart 2	0.354	R8	0.328
Cardio	0.448	0.874	Exam 1 Chart 3	0.325	R11	0.339

Results		
Weighted Mean		
1.54	1.42	1.69
Grand Total Mean		
1.55		

(Without Visual Inspection)

Advanced Options - OSS-3 v1.9	
General Scoring Settings	
Delete all zero measurements	Yes
Zero Threshold value	1
Allow a single CQ to score result (not for DLST)	No
Replace missing values with mean values	No
Check Extreme Contributions	No
Allow SR Result when extreme contributions	Yes
Alpha Values (one-tailed)	
Kruskal-Wallis	0.1
Non-Significant Response (NSR)	0.05
Significant Response (SR)	0.05
Test of Proportions	
Test of Proportions alpha value (two-tailed)	0.1
Use Test of Proportions	Yes
Allow significant reaction result	Yes
Use all questions	No
Score neutral questions as control	No
Event Specific/Single Issue (Zone)	
Use Bonferroni	Yes
Use Kruskal-Wallis	No
Minimum number of useable presentations for RQs	2
Measurement Periods	
P1	15
P2	15
EDA	15
Cardio	15
All other	15