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A How-To Guide for OSS3

Updated 06/18/2024

Access the PF file you want to score using 1 of 2 ways:

- Desktop OSS3 icon
 - Icon will open software and allow you to browse the PF folder and select the test you wish to score



- Launch Lafayette software
 - Open the PF file you wish to score
 - o Select series in the drop-down menu
 - Select score
 - Select OSS3



• Once the test is selected, specify the exam type



- Once the exam type is selected, the software will automatically default to the recommended scoring method
- The examiner should verify that the default scoring method is the one they wish to use
 - o If not, adjust accordingly
 - * Note: Most examiners will want to use the recommended default setting.



- Select 3-5 charts to score and ensure that the correct relevant and comparison questions are identified
- Make sure to verify that your comparison and relevant questions are selected

Exam type.					Scoring Method:														
Event Specific/Single Issue (Zone) $\qquad \qquad \lor$						OSS-3 Two-stage (Senter 2003) V													
2) Select	three to five cha	rts to	score																
Charts		1	2 3	4	5	6	7	8	9	10	11	12	13						
🕑 # 1: E)	am 2 Chart 1 (MGQT)	XI	I1 SR2	N1	C1	R1	R2	C2	83	R4	C3	N2	XX						
🛃 # 2: Ex	(am 2 Chart 2 (MGQT)	XI	I1 SR2	N2	C2	R4	R3	C3		R1	C1	N1	XX						
🗹 # 3: E)	am 2 Chart 3 (MGQT)	XI	I1 SR2	N1	C1		R2 0	C2a		R4	C3	N2	XX						
) Select	two to four relev	ant ar	nd two t	to fiv	e co	ontro	ol que	estio	ns fr	om	each	n cha	rt						
3) Select	two to four relev	ant ar	nd two 1 Type	to fiv	/e co		ol que	estio Text	ns fr	om	each	n cha	rt						
3) Select	two to four relev	ant ar	nd two f	to fiv	/e co	Ontro	ol que	estio Text	ns fr	om	each	n cha	rt						
3) Select # - # 1: Ex	two to four relev	ant ar	nd two f	to fiv	/e co	Que	ol que estion T test is a	estio Text about	ns fr to beg	om (each lease	remai	r t n still.						
3) Select # - # 1: Ex 1 2	two to four relev in the questions that a two to four relev in the questions that a in the questions the questions that a in	ant ar	nd two 1 Type	to fiv	/e co ? ? ?	Que Que The f	test is a	estio Text about dersta	to beg	gin, pl	each lease ly ask	remaii you ti	n still. ne questi	ons w	have dis	cussed?			
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3) Select # - # 1: Ex 1 2 3 4	two to four relev () ID () ID () X () X () SR2 () N1	Ant ar	nd two t Type ner levant	to fiv	/e co	The f	test is a rou und rou inte	about derstar end to	to beg nd I w truthi	gin, pl ill onl fully a sted ir	each lease ly ask answe n the l	remain you the State o	n still. he questi question of Califor	ons we abou nia?	have dis the stabl	cussed? bing deat	n of that r	man,	******
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Step 4

After the chart and questions have been selected, click the next button.



- The charts should appear for review and allow the examiner to drop components from scoring that are affected by artifacts
- The examiner should review each comparison and relevant question to use the checkboxes to omit segments that should not be scored
 - * **Note**: EDA and Cardio measurements are displayed with a magenta-colored line. Additionally, the 15 second scoring windows for each channel are highlighted in an orange rectangular box.



The examiner should advance through the question review by using the forward and back buttons (or the left and right arrows on the keyboard).



Step 7

If the examiner needs to exclude any or all the tracing due to an artifact (ex: a deep breath) they can do so by checking the boxes under "Components to Drop"

* Note: Only exclude tracings when absolutely necessary. If too many tracings are excluded, there may not be enough to complete the analysis.



Once the examiner has reviewed all comparison and relevant questions, then the advance arrow will not move the chart any further.

Step 9

- The examiner should then select the next button
- A report will be produced
 - No report is saved until the examiner clicks the "Save" button or menu item
- The categorical result is shown at the top of the report, along with a statistical classifier in the form of a p-value



 To display results as confidence level, select tools → options → scoring report → show result as confidence level instead of p-value → apply



Step 9 Cont.

• Report will now show results as confidence level



Step 10

The report will show all pertinent information the examiner may need, including:

- o PF name
- Date report was created
- Subject and examiner's name if entered
- o Individual subtotal score p-values
- Decision rule
- Under Tools Options Advanced, the default alpha boundaries are .05 for SR and NSR. Examiners can adjust these if they choose to do so, and the algorithm will adjust for the new settings.

Scoring Tasks #								
	General	User-Interface Options						
Scoring Tasks 🛞	Scoring Report	Set the default exam type: None	Set the default exam type: None V					
Select charts to score	Advanced	Require the user to perform artifacting						
Mark Artifacts	Algorithms	Even Two Ontine	Exam Type Options					
Score the shorts								
Score the charts		General Scoring Settings						
		Delete all zero measurements	Yes					
Chart Details		Zero Threshold value	1					
		Allow a single CQ to score result (not for DLST)	No					
Exam: 1		Replace missing values with mean values	No					
Chart: 2		Show Kircher measurement points	Yes					
Date: 5/4/2024		Color of the Kircher scoring lines	FF00FF					
Time: 3:25 PM		Check Extreme Contributions	No					
Duration: 04:44		Allow SR Result when extreme contributions	Yes					
Question Set: Maintenance		Alpha Values (one-tailed)						
2-3-23 Template- AFMGQT		Kruskal-Wallis	0.1					
V2-4Q		Non-Significant Response (NSR)	0.05					
Examinen		Significant Response (SR)	0.05					
Exam Type: MGQT		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)						
		Scoring Method	OSS-3 Two-stage (Senter 2003)					
		Use Bonferroni	Yes					
		Use Kruskal-Wallis	No					
		Minimum number of useable presentations for ROs	2					
		Multi-facet (MGOT)						
		Scoring Method	OSS-3 Two-stane (Senter 2003)					
		lire Bonferroni	Var					
		lice Knuckal-Wallin	No					
		Minimum number of usable presentations for POr	2					
		Minimum number of oscible presentations for KQs	2					
		Control Mathed	000 2 Council o					
		Sconing Method	Vos-s screening					
		Use bonterroni	No					
		Use Kruskal-wallis	ie .					
		Directed Via Generative Text (DLCD)	2					
		 Directed Lie Screening Test (DLST) 						
		scoring method	OSS-3 Screening					
		USE DUDIERODI	NO					

Step 10 Cont.

- Component weighting
- Relevant questions that were scored
- Subject answers
- Which charts were scored and the date and time they were collected based on a computer clock
- Dimensionless measurements for all components and all questions
 - * Note: if any components were excluded from analysis, they will be highlighted under the measurement section and will have the letter "A" next to it.

			Measur	ements			
			(Kircher and	Raskin 1988)			
			Exam 2	Chart 1			
	C1	R1	C2	R2	C3	R3	R4
P1	489	550	459	586	459	571	583
P2	279	333	334	363	294	339	414
EDA	151	116	98	77	164	57	30
Cardio	67	46	47	33	42	26	26
SE	79	75	73	81	85	94	76
			Exam 2	Chart 2			
	C1	R1	C2	R2	C3	R3	R4
P1	510	732	452	587	459	555	621
P2	424	589	347	450	343	516	524
EDA	80	45	69	85	101	42	10
Cardio	A13	A22	18	45	42	37	27
SE	155	137	156	170	150	168	179
			Exam 2	Chart 3			
	C1	R1	C2	R2	C3	R3	R4
P1	559	543	462	597	A537	507	542
P2	688	739	616	736	A559	573	650
EDA	51	10	25	35	A71	33	12
Cardio	22	20	36	33	A52	52	33
SE	174	216	168	207	141	122	168

 The report will include standardized lognormal ratios for each relevant ratios for each chart, along with the weighted mean for each relevant question and the grand total mean. These values are z-scores (standard deviations) ranging from -3 to +3, where + SLRatios contribute to NDI/NSR classifications and – SLRatios contribute to DI/SR classifications. This section will also include a warning if the examination data are scored without visual inspection.

Step 10 Cont.

			Measur (Kircher and	ements Raskin 1988)			
			Exam 2	Chart 1			
P1 P2 EDA Cardio	C1 489 279 151 67 79	R1 550 333 116 46 75	C2 459 334 98 47 73	R2 586 363 77 33 81	C3 459 294 164 42 85	R3 571 339 57 26 94	R4 583 414 30 26 76
JL	15	15	Evam 2	Chart 2	05	54	70
P1 P2 EDA Cardio SE	C1 510 424 80 A13 155	R1 732 589 45 A22 137	C2 452 347 69 18 156	R2 587 450 85 45 170	C3 459 343 101 42 150	R3 555 516 42 37 168	R4 621 524 10 27 179
			Exam 2	Chart 3			
P1 P2 EDA Cardio	559 688 51 22	543 739 10 20	462 616 25 36	к2 597 736 35 33 207	A537 A559 A71 A52	кз 507 573 33 52	K4 542 650 12 33

Channel Contributions								
Component	Proportion	Area	Chart	Proportion	ID	Proportion		
Pneumo	0.249	0.828	Exam 2 Chart 1	0.369	R1	0.272		
EDA	0.595	0.788	Exam 2 Chart 2	0.337	R2	0.211		
Cardio	0.156	0.029	Exam 2 Chart 3	0.294	R3	0.232		
					R4	0.285		

Stan	dardiz	ed Logn	ormal R	atios			
	Ex	kam 2 Cha	art 1				
	R1	R2	R3	R4			
Р	1.85	2.44	2.20	3.00			
EDA	0.38	1.20	1.81	3.00			
Cardio	0.55	2.30	3.00	3.00			
WMean	0.71	1.75	2.22	3.00			
Mean		1	.92				
Exam 2 Chart 2							
	R1	R2	R3	R4			
Р	3.00	2.36	3.00	3.00			
EDA	1.27	-0.00	1.41	3.00			
Cardio		-2.23	-1.20	0.46			
WMean	1.73	-0.17	0.99	2.29			
Mean		1	.21				
	E	kam 2 Cha	art 3				
	R1	R2	R3	R4			
Р	1.53	1.82	0.00	0.92			
EDA	2.72	0.20	0.32	2.35			
Cardio	1.86	-0.77	-3.00	-0.77			
WMean	2.25	0.24	-0.67	1.20			
Mean		0	.75				

Results						
	We	ighted Me	ean			
	1.56	0.61	0.84	2.16		
	Gran	nd Total M	lean			
		1.29				

• Finally, the report will include all settings that were used to score test under the block titled "Advanced Options"

Advan	ced Options - OSS-3 v1.9						
General Scoring Settings							
Delete all zero measurements Zero Threshold value Allow a single CQ to score result (not for DLST) Replace missing values with mean values Check Extreme Contributions Allow SR Result when extreme contributions	Yes 1 No No Yes						
A	pha Values (one-tailed)						
Kruskal-Wallis Non-Significant Response (NSR) Significant Response (SR)	0.1 0.05 0.05						
	Test of Proportions						
Test of Proportions alpha value (two-tailed) Use Test of Proportions Allow significant reaction result Use all questions Score neutral questions as control	0.04 Yes Yes No No						
Event	Specific/Single Issue (Zone)						
Use Bonferroni Use Kruskal-Wallis Minimum number of useable presentations for RQs	Yes No 2						
Measurement Periods							
P1 P2 EDA Cardio All other	15 15 15 15						