ABA 96 Workshop #12 - Conducting Fluency Research: ChartStat[™] Tools - from Ogden Lindsley

"Tools not rules you fools!" David Ogilvy We have made Skinner a genius by ignoring his powerful methods of free operant conditioning and standard graphical analysis, and ourselves dullards

by using controlled operants, small groups, and statistical analysis by formula.

Chart tests used to get observed and expected in Precision Teaching follow:

How to get observed and expected

Test Name - Years	Process	Problem			
Median 65-66	Count dots above & below overall median	As increase length of during phase P-value drops!			
Mid-median 67-68	above & below line 1/2 way between phase medians on chart	Falsely low P's to no frequency jump with large celeration turn			
Celeratn. proj 69-81	Count dots above and below celeration proj.	Does not give separate P's for jumps and turns			
Course proj. 69-81	Count dots in and out of projected course	Gives 10x lower P value than celeration proj.			
Jump 81-on	Take out turn by proj. new celeration at old frequency with.	None			
Turn test 81-on	Take out jump by projecting old celeration at new frequency	None			
Bounce widen 81-on	Take out cel and freq by projecting old bounce at new freq and celeration	None			
Outlier rem. 91-on	Take significant outliers from old course	Handles outliers which give falsely low P's			

How to calculate P from observed and expecteds	Fisher's E: Exp 10 11 21	kact ma Obs 19 3 22	ke 2x2 ta Total 29 14 43	ble, add bo P=	th ways, 21! 22 10! 19!	foot on l ! 29! 14! 11! 3! 43	oottom, 3!	, factor P= . P=	ials, solve. 00693 7 in 1000
Other quick tests for distributions	Quenouille Quenouille But ha I find it eas Fishers exa	e overh e overh ard to r sier to o act is w	ang test ang test. emember lo ChartS here it all	cut off nun tat TM " put " came from	ibers. foot on b in the fir	P <.05 <.01 pottom," rst place	Q 9 12 factori	T 11 15 ialize.	
Only glimpse	ChartStat Th	⁴ cover	age takes	a full day v	vith parti	cipants a	lready	SCC f	àmiliar.