Slide 1		ו	
Silue 1		-	
		_	
	SPHSC 569: Evaluating		
		-	
	Time-Series Data	_	
	Data Analysis	-	
	Examining and Interpreting the Data	_	
	the Data		
		-	
		1	
Slide 2]	
	Common Rules for		
	Evaluating Data	-	
	(Validity Revisited)The more replications of the		
	The more replications of the effect, the better The more consistent the effect, the more believable The more the effect is based on contiguous comparisons, the more believable	-	
		-	
		-	
		-	
		-	
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		_	
Slide 3		-	
	Common Rules for		
	Evaluating Data	-	
	(Validity Revisited) • Evaluate effects relative to	_	
	background variability in the		
	dimension involved in the comparison (i.e., level, trend	-	
	(slope and magnitude), or		
	variability itself) • The larger the effect (given		
	background variability and	-	
	previous knowledge about the behavior), the more believable] .	

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Data Analysis Quantitative Data

- Continuous graphing
 - Decisions about unfolding nature of designs
 - Functional relations
- · Visual Inspection/Analysis
 - Why?
 - Logic of research paradigm
 - Inappropriateness of inferential statistics
 - Features of a graph

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Data Analysis Quantitative Data

- Visual Inspection/Analysis
 - Within phase patterns
 - Level (mean, median)
 Trend (slope, magnitude) (linear regression, split half)
 Variability

 - Between phase patterns
 - Immediacy
 Overlap
 Effect Size (Komfrey and Foster-Johnson, 1996)
 - Using visual inspection to learn about nature of change

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