The Effects of Antecedents and Consequences on Accurate Identification of Function of Problem Behavior

Beacon ABA Services, Inc.



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GARES The Workforce Crisis In Human Services

WHO WILL

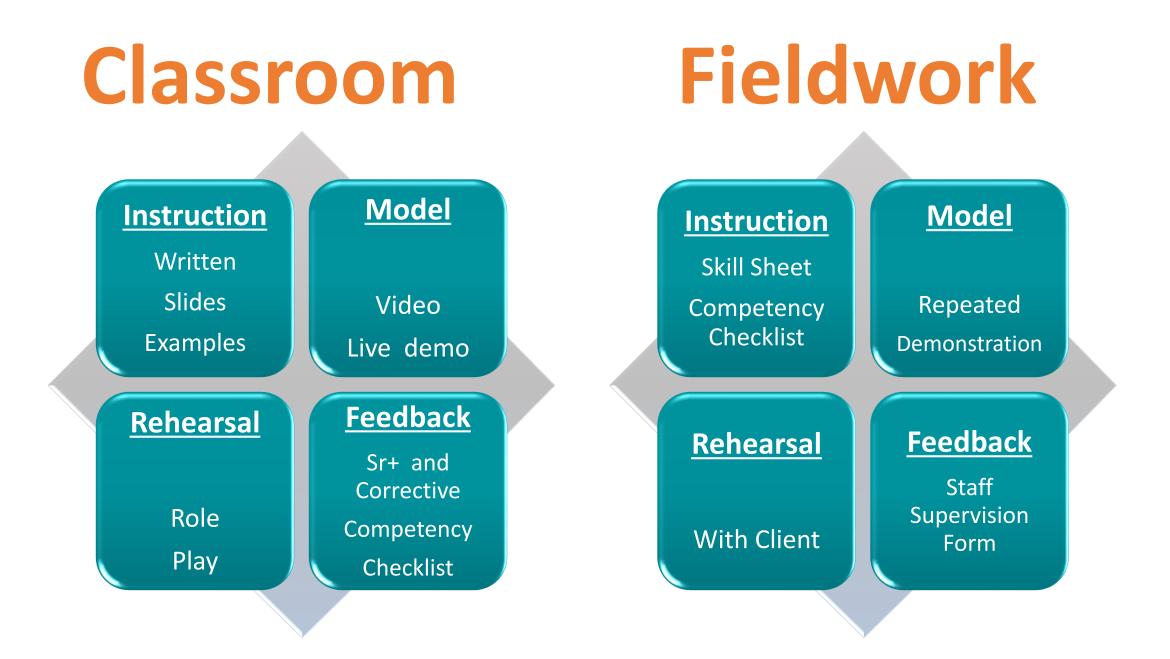
















Carter, O'Rourke, Sisco & Pelsue (2009)



Horner 1994

JOURNAL OF APPLIED BEHAVIOR ANALYSIS

1994, 27, 401–404

NUMBER 2 (SUMMER 1994)

FUNCTIONAL ASSESSMENT: CONTRIBUTIONS AND FUTURE DIRECTIONS

ROBERT H. HORNER

UNIVERSITY OF OREGON

Functional assessment is at once redefining the standards for clinical interventions and reemphasizing the importance of studying basic behavioral mechanisms. This commentary describes one perception of what we are learning from current research on functional assessment and suggests directions for the future.

DESCRIPTORS: functional analysis

Scott, Lerman, and Luck 2018

JOURNAL OF APPLIED BEHAVIOR ANALYSIS 2018, 51, 784–801

NUMBER 4 (FALL)

COMPUTER-BASED TRAINING TO DETECT ANTECEDENTS AND CONSEQUENCES OF PROBLEM BEHAVIOR

Jelisa Scott, Dorothea C. Lerman and Kally Luck

UNIVERSITY OF HOUSTON, CLEAR LAKE

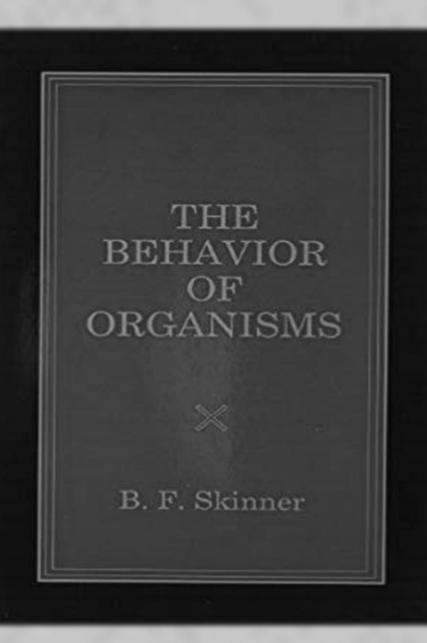
Training teachers and paraprofessionals to detect and record putative antecedents and consequences of problem behavior in the classroom has a number of potential benefits. In this study, we evaluated the outcomes of a computer-based training program consisting of lectures, models, and practice. A total of 39 teachers and paraprofessionals participated. Participants scored videos of teacher-student interactions after completing components of the instruction. The study was designed to evaluate the incremental contribution of instruction focused on (a) single exemplars of antecedents and consequences, (b) multiple exemplars of antecedents and consequences, and (c) simultaneously occurring antecedents and consequences. Training to detect simultaneously occurring events was necessary for the majority of participants to reach high levels of performance. The findings support the efficacy of computer-based training and indicate the necessary and sufficient components of this training.

Key words: descriptive analysis, data collection, problem behavior, teacher training





It can be challenging for those with limited training in the science of behavior to **discriminate between relevant and irrelevant stimuli** when forming hypotheses of function



"A connection between an operant and a reinforcing stimulus can be established independently of any specific stimulation acting prior to the response."

The Behavior of Organisms p. 177

Selection By Consequences

R I Shunin

Does antecedent information affect the

accurate identification

...

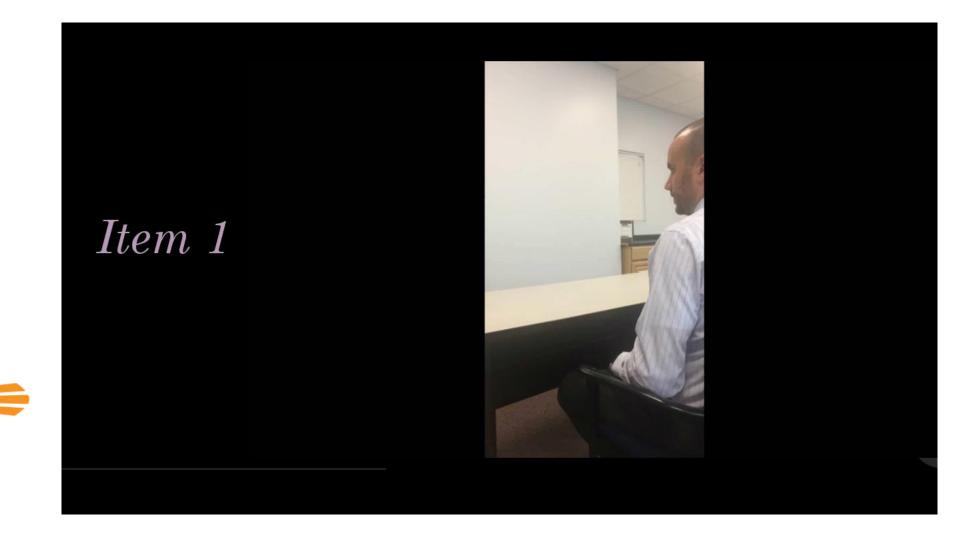
of escape and attention functions by observers with

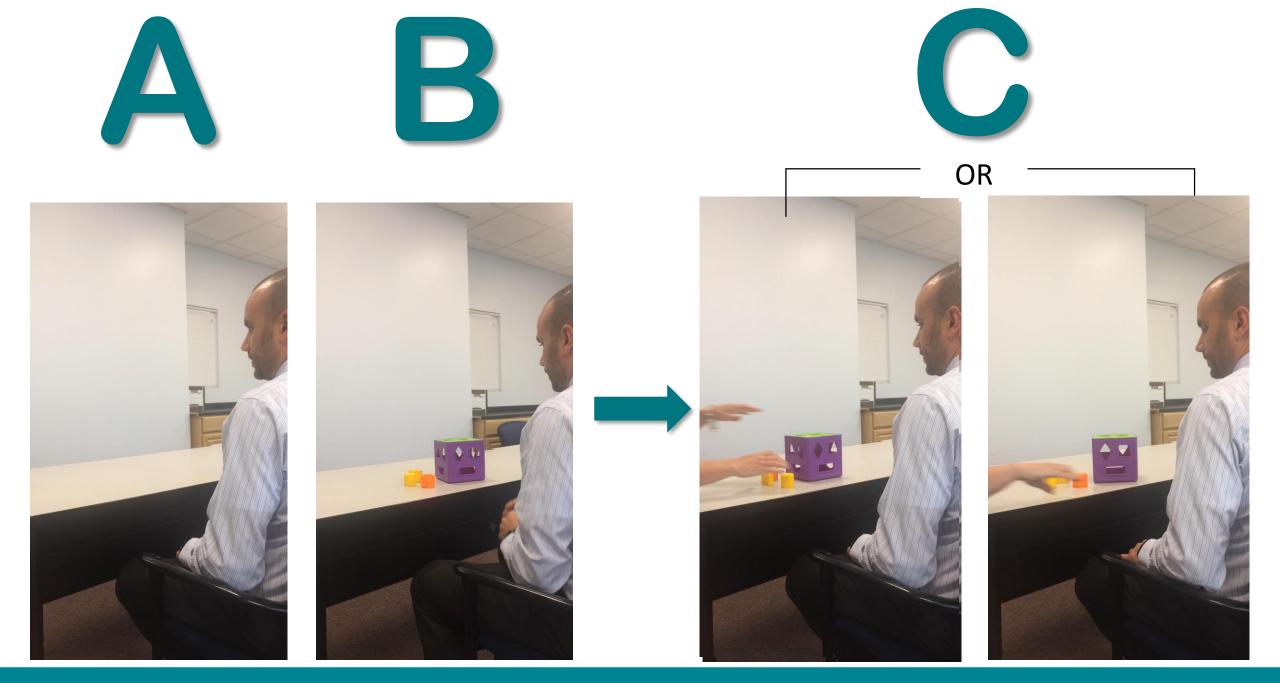
limited experience?





Materials





Subtitles

edent C Ante

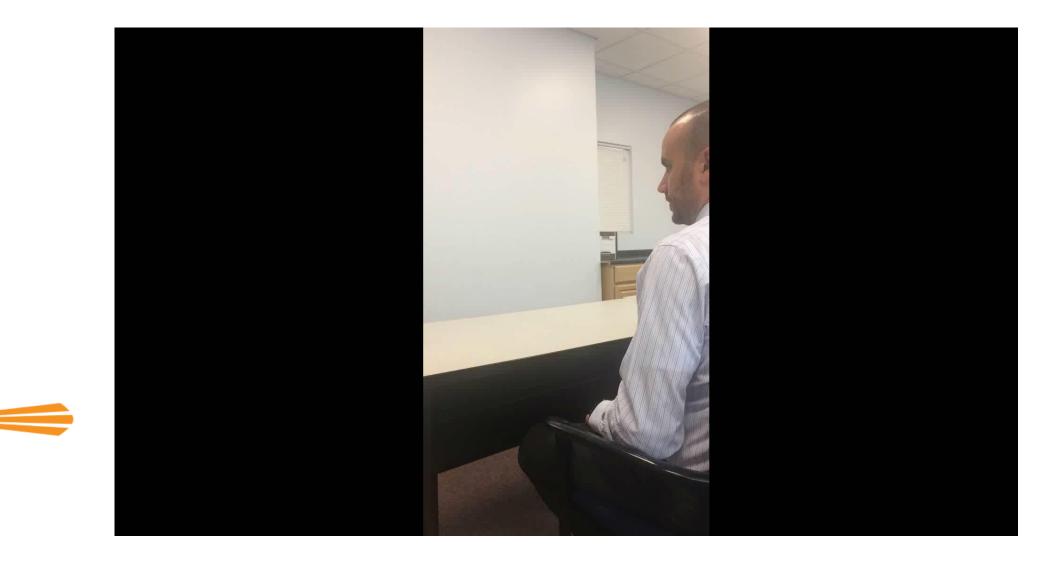
I know you hate this but you have to play with your shape sorter I know you are tired but it's time to play with your shape sorter

Why don't you play with your new shape sorter, you love it so much Play with that brand new shape sorter you bought with your birthday money yesterday

Subtitles



Subtitles U Consequenc I will do it with It is nice to play together you





Data Sheet



nitials:		
1	Attention	Escape
2	Attention	Escape
3	Attention	Escape
4	Attention	Escape
5	Attention	Escape
6	Attention	Escape
7	Attention	Escape
8	Attention	Escape
9	Attention	Escape
10	Attention	Escape
11	Attention	Escape
12	Attention	Escape
3	Attention	Escape

Research Design

Multielement Design



Independent Variable Condition 1: Consistent

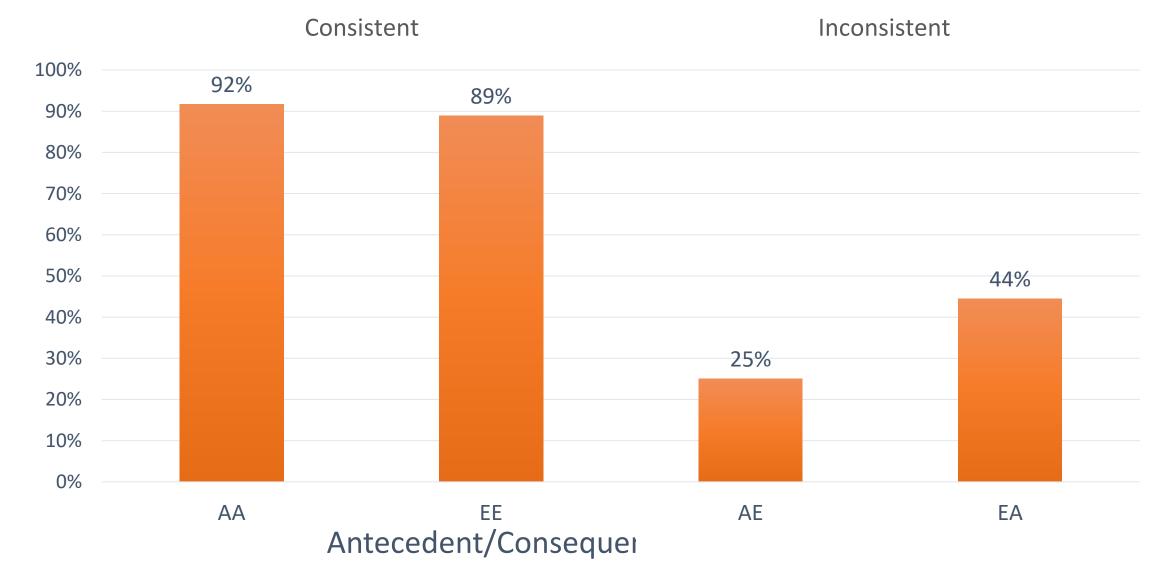
Suggested Function	Antecedent	Behavior	Consequence	
Escape (E)	"I know you are tired, but it's time to play with your shape sorter.	"I don't feel like it"	No subtitle added	EE
Suggested Function	Antecedent	Behavior	Consequence	
Escape (E)	"I know you are tired, but it's time to play with your shape sorter.	"I don't feel like it"	No subtitle added	
Attention (A)	"Why don't you play with your new shape sorter, you love it so much."	"Please do it with me."	"I will do it with you."	AA

Independent Variable

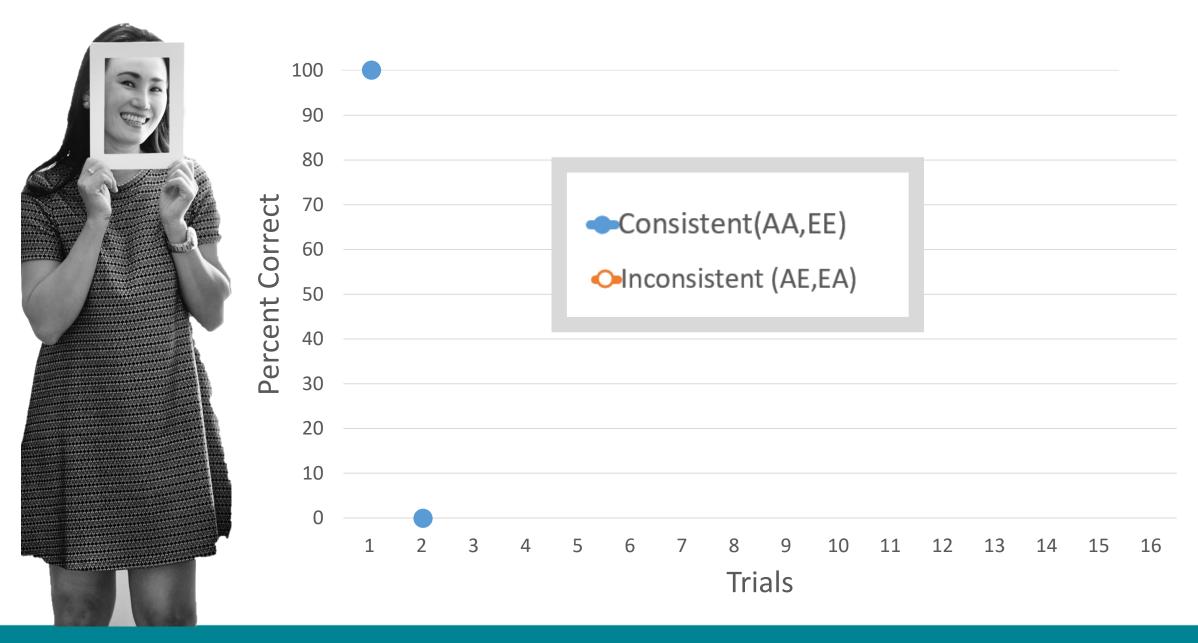
Condition 2: Inconsistent

Suggested Function	Antecedent	Behavior	Consequence	
Escape (E)	I know you are tired, but it's time to play with your shape sorter.	"I don't feel like it"	I will do it with you."	EA
Suggested Function	Antecedent	Behavior	Consequence	
Escape (E)	"I know you are tired, but it's time to play with your shape sorter.	"I don't feel like it"	No subtitle added	
Attention (A)	"Why don't you play with your new shape sorter, you love it so much."	"Please do it with me."	No subtitle addeo	AE

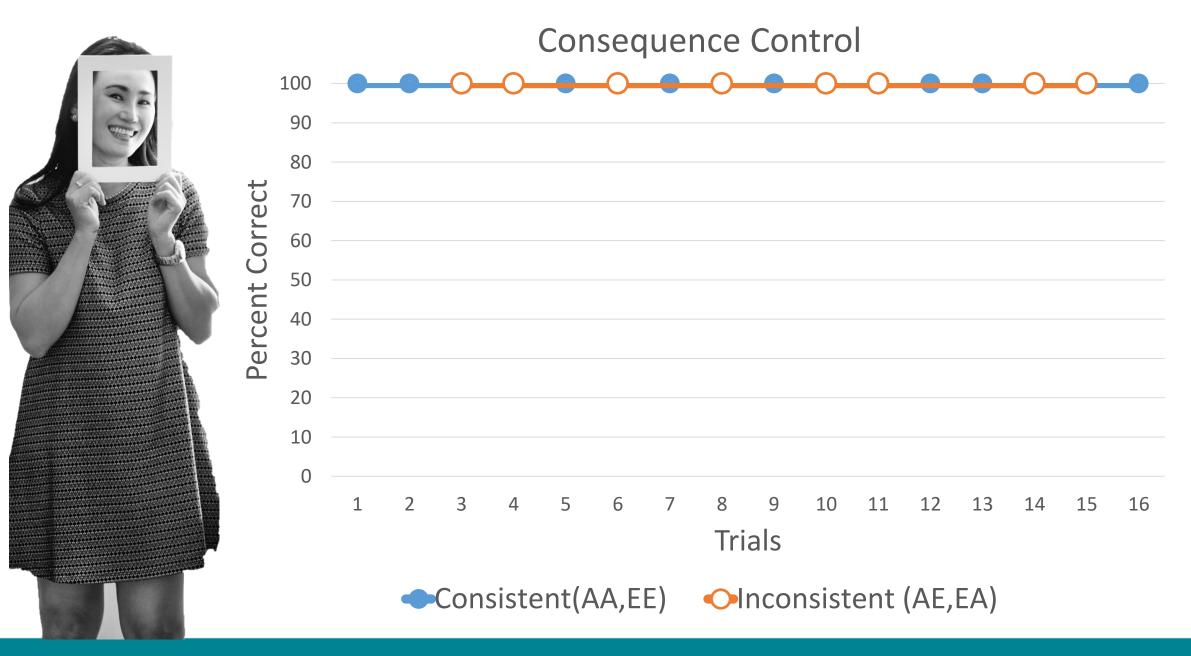
n=18

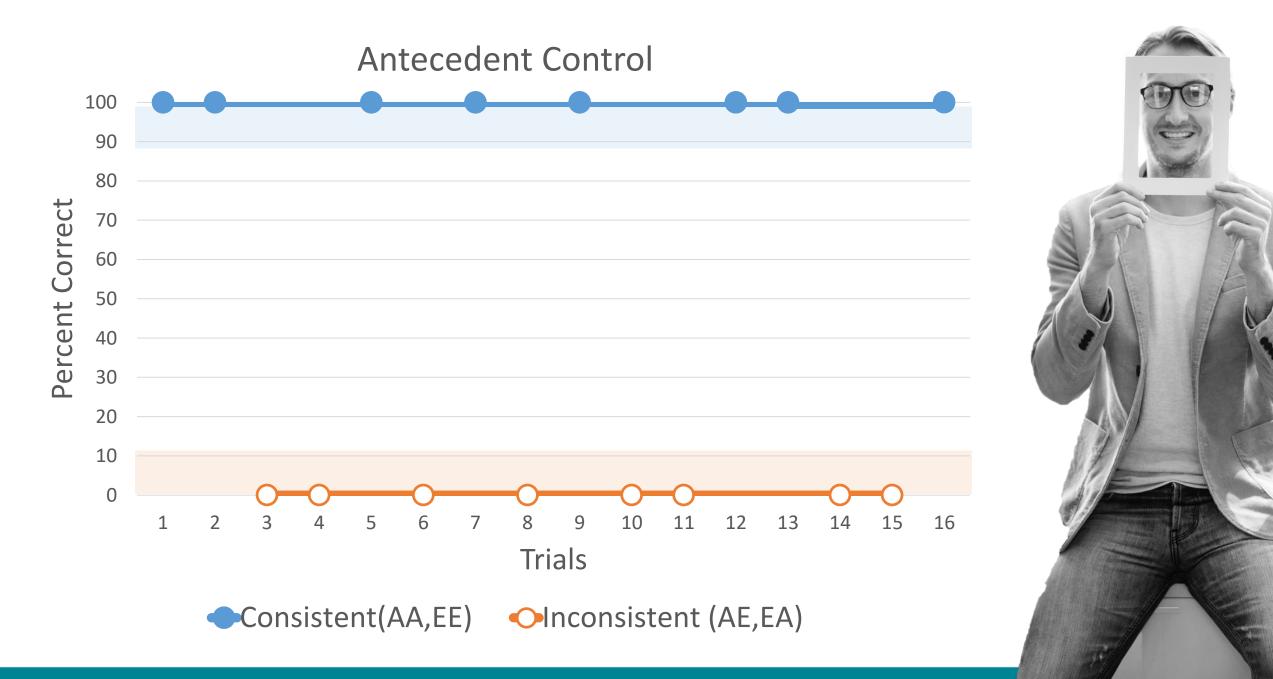


Accuracy

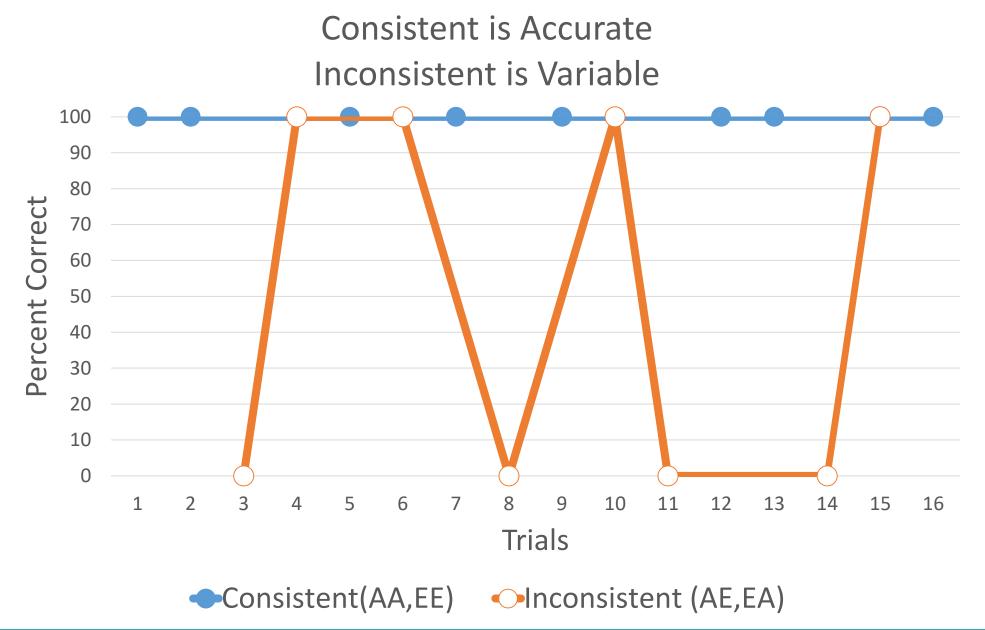


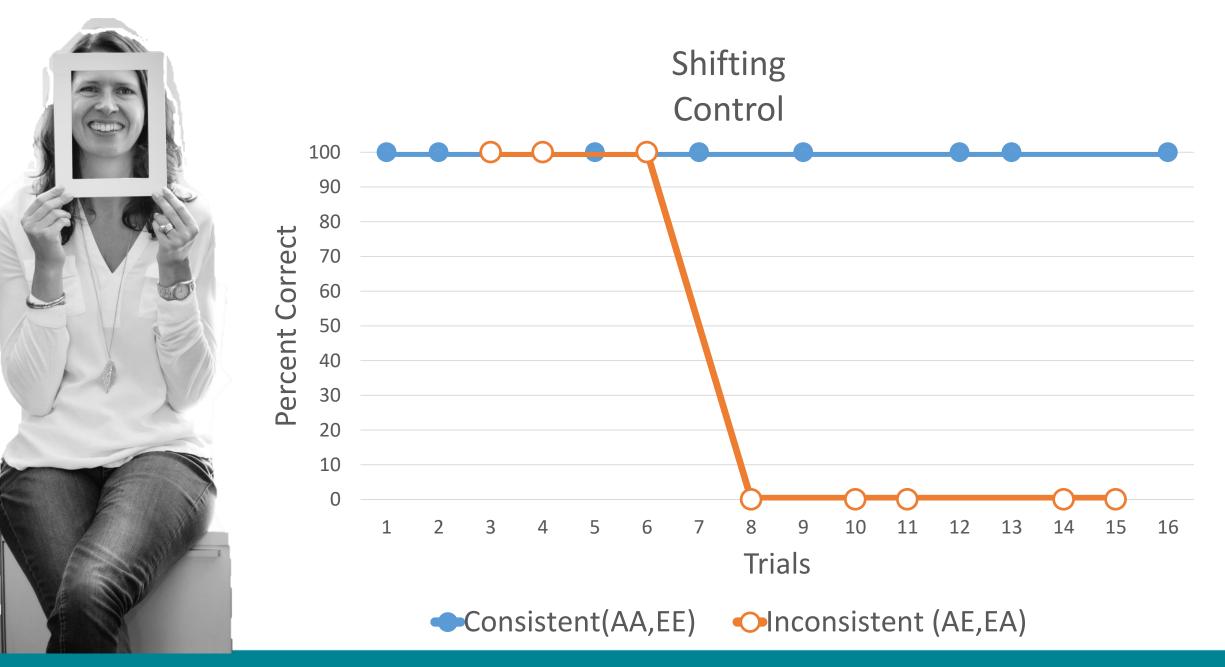
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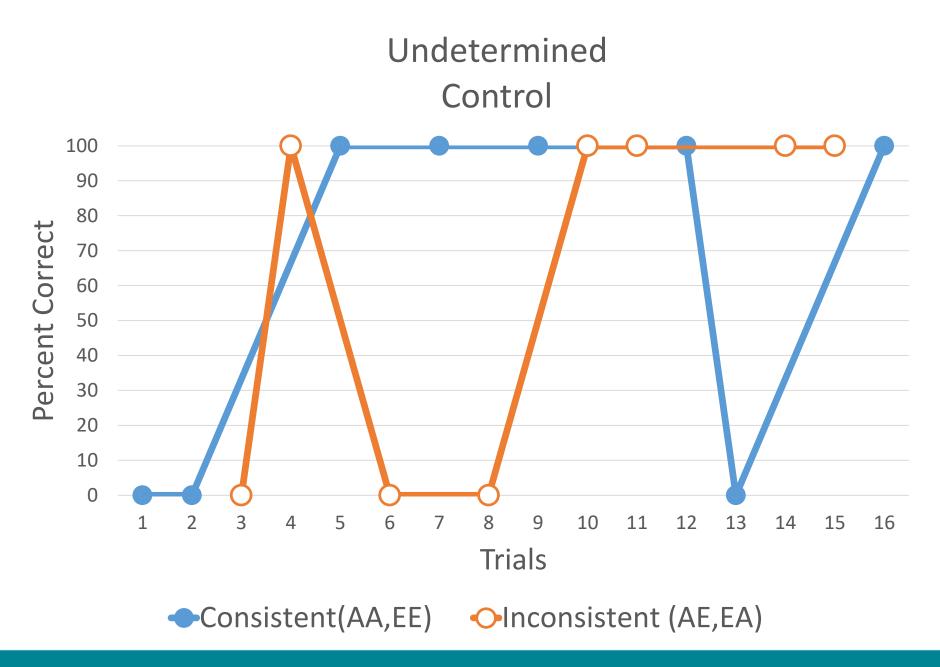








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6% 22% 39% Source of Control 33%

Consequence Antecedent Consistent Accurate/Inconsistent Variable Undetermined

Discussion

the cause of the error may not be clear

Discussion

The ability to pinpoint controlling stimuli is essential to treatment

E PRO GRIP

Discussion

Caparti

This procedure was efficient

Considerations

Participants completed the assessment under differing conditions

Participants were asked to hypothesize function based upon the current trial only

How is each type of error May be helpful in other applications, such as paper the support

References

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