



All single case designs are variations of using A and B phases (conditions) to make planned comparisons.

A = baseline; B=some type of intervention

Replication is used to control for threats to internal validity.



A-B design is the most basic single case design.

- It is **not** an experimental design and cannot be used to demonstrate a functional relation. Can only provide "weak correlational conclusions".
- It is useful for clinical and educational settings.











be reversed?

Is it ethical to do so?







Consider these in implementing a withdrawal design:

- Data in each phase must demonstrate stability before moving to next phase.
- Conditions must be re-introduced and effects replicated in a similar manner.
- Should have a plan to minimize sequence effects.

Summary of Withdrawal Designs (Richards et al., 1999)

Appropriate to Use When:	Not appropriate to Use When:
A clear functional relationship between IV and DV needs to be demonstrated	DV is not reversible
Target behavior can be reversed with IV is withdrawn	Treatment effects will continue after IV is withdrawn
IV is such that its effects are not present on the DV after the IV is withdrawn	It isn' t educationally/clinically desirable for the target behavior to return to baseline levels
It is not unethical to withdraw the intervention	Withdrawing effective treatment (IV) would be unethical (e.g., dangerous behavior

Coming Up Week 9



Discuss Multiple Baseline and Multiple Probe Designs. What kind of research questions are they best used to address? Strengths? Weaknesses?

Guest Speaker: Dr. Ann-Marie Orlando Read: Gast Chapter 11Ross & Horner (2009); Ledord et al. (2008).Rob will lead the discussion of the Ross & Horner article. TURN IN: Take Home Quiz 1