Single Subject Designs

- **Reversal Designs:**
  Sometimes called "withdrawal designs."
  *ABA design* is the simplest form.

  Measure behavior over time during the A baseline period. Introduce the independent variable manipulation during the B treatment period while continuing to measure behavior. Withdraw the treatment during the second A period. Infer that the treatment has an effect if behavior changes when the treatment is introduced and then returns to baseline when withdrawn during the second A period.

  The *ABAB design* improves upon the ABA design. The treatment is introduced a second time; if the behavior changes again, there are few alternative explanations for the effect.

- **Multiple baseline designs:**
  Used to avoid the problem of withdrawing a treatment in a reversal design. Observe the effect of a treatment introduced under a variety of circumstances - *across subjects, across behaviors, and/or across situations*