# **Research Methods**

## Single Subject Designs



# What We Will Cover in This Section

- Overview.
- Issues and Benefits.
- Designs.
- Requirements and assumptions.





## Terminology

- Baseline (A) The preliminary assessment the participant's behavior on the dependent variable. This is usually done over a specific time period.
- Treatment (B, C, D) Assessment of the person's behavior during treatment condition. This is usually done over a specific time period.

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## Benefits

- 1. Ethics of withholding treatment from control groups.
- 2. Where to find large samples.
- 3. Individual data may be lost in a group...treated as error.
- 4. Develop in depth information.

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# Problems

- 1. Lack of generalizability.
- 2. Lack of experimenter control.
- 3. Time to conduct.

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# Issue #1: Stable Baseline

- It is important that there be no trend in the baseline otherwise the treatment effect may be obscured.
  - Low variability.
  - Baseline trends.

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