

IV not manipulated, and or subjects not randomly assigned.

- More internal validity concerns, you're stuck

Requirements for a QE design

- Comparison groups and or multiple measures

Two major categories:

- Nonequivalent groups: Comparison groups are not equivalent to experimental or treatment groups. Attempt to minimize difference through groups

Notation:

0 =

x

[]

Does child abuse have long term consequences?

Group 1 x o

Group 2 [] o

Individuals together make up groups comparable in terms of variables likely to be related to the d.v.

what might those be?

= social economic status

race

gender

Findings...table 1

Findings

Children who had been abused were more likely to have juvenile or adult arrest records than were children who had not been abused.

Pretest and posttest non equivalent control group design

Are obscene phone calls more likely under conditions of anonymity?

Aggregate matching

- different areas of a state
- Assumes areas are similar with respect to relevant variables on the average

Pre test - potest multiple non equivalent control group design

Is crime more likely under conditions of anonymity?

Aggregate matching
Areas similar on socio-demographic
Few differences
CCTV

ONE GROUP PRETEST - POSTTEST

0	X	0
T1	T2	T3

COHORT DESIGNS

Cohort: group of subjects who enter or leave an institution at the same time

ex: a class of police officers who graduate from a training academy at the same time. all persons who were sentenced to probation in May.

Necessary to ensure that two cohorts being examined against one another are actually comparable

TIME SERIES DESIGNS

Examine a series of observations over time
Interrupted: Observations compared before and after some intervention
can aid in cause and effect studies

Instrumentation threat to internal validity is likely because changes in measurements may occur over a long period of time
often use measures produced by cj organization

INTERRUPTED TIME SERIES WITH NON EQUIVALENT CONTROL GROUP

INTERRUPTED TIME SERIES REMOVED TREATMENT

INTERRUPTED TIME SERIES WITH SWITCHING REPLICATIONS

QUASI EXPERIMENTS

no way that they can't be attacked as good as an experimental design

threats to internal validity....quasi experiments do not take these into account

NON EXPERIMENTAL DESIGNS

1. Key informant interviews
2. Cross sectional descriptive survey
3. One group ex post facto design
4. -x o
t1 t2
4. Case study
5. Any other design that does not use a comparison group or repeated measures

What is a case study?

A thorough examination of one or a few cases on many dimensions

Research issue is a how or why question

Data from 6 sources:

documents, records, interviews, direct observation, participant observation, physical evidence

Not meant to definitively establish cause and effect or be immediately

ADVANTAGES OF CASE STUDIES

Flexible data collection techniques

EX Interviews, direct observations, physical artifacts, questionnaires, archival records

can conduct it in almost environment

can study almost any dimension of a topic

involve very rich, very detailed data

DISADVANTAGES

Limited generalizability external validity and internal

outcomes not considered conclusive support for hypotheses

confidence in findings requires accumulation

STEPS

Develop theory

develop research questions

CLASSIFICATION OF DESIGNS

Is random assignment used?

yes

no

randomized : true experiment

is there a control group or multiple measure

DECIDING ON A DESIGN APPROACH

mid term

50 m. choice