

Nonexperimental Research

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Non-Experimental Designs

Several types of non-experimental designs exist

1. Single-variable
2. Correlational / Quasi-Experimental
3. Qualitative

When to use

Some examples of times to use non-experimental approaches

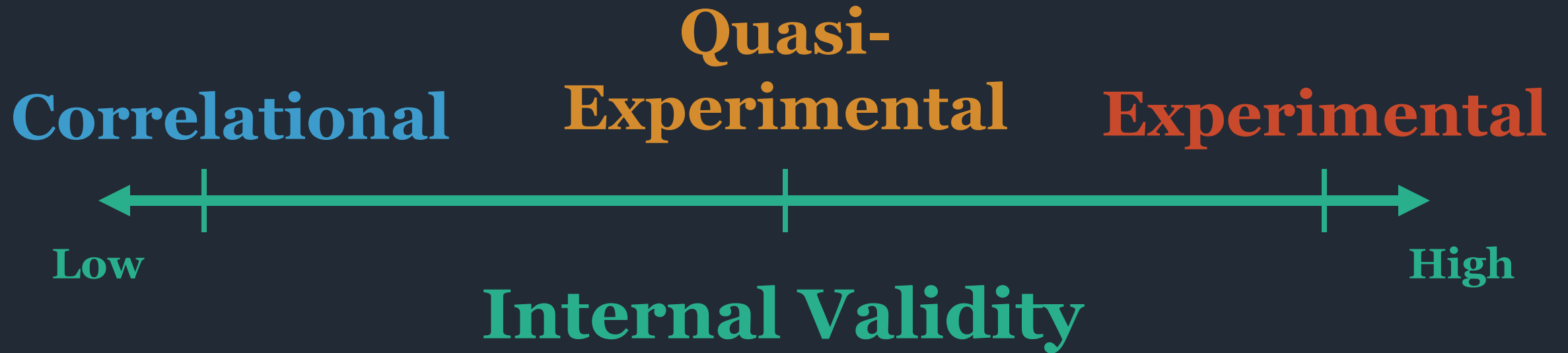
Ethical reasons to not
manipulate IV

Impossible to
manipulate the IV

Only interested in a
single variable

Qualitative interests

Internal Validity of NE Designs



Correlational Designs

Assessing the relationship between 2 or more variables

- The researcher measures two variables and assesses the statistical relationship (i.e., the correlation)
- Little or no effort to control extraneous variables.

Data Collected By

Observation

Archival Data

Quasi-Experiments

Several types exist

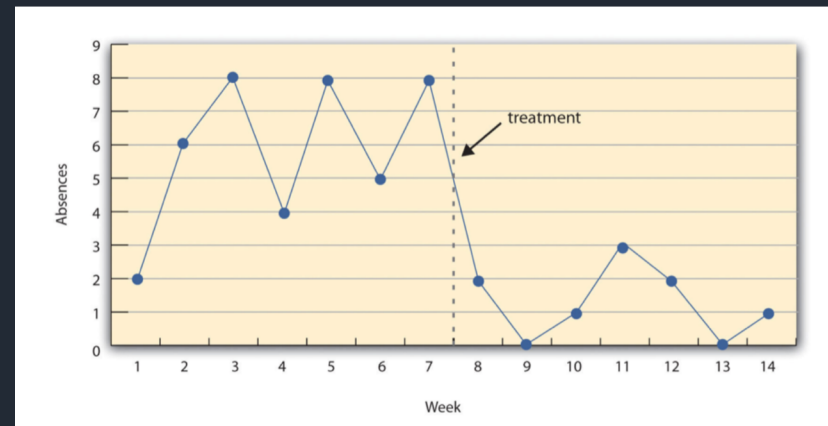
Nonequivalent Groups

No random assignment between-subjects design

Pretest-Posttest

Pretest then treatment then posttest (no groups)

Interrupted Time Series



Qualitative Designs

More general, “unfiltered” design

More general research question

- Uses interviews, focus groups, open response questions
- Can be a precursor to quantitative designs

Can sometimes code the data to use quantitative research