

### 3 Components Involved in a Design

philosophical assumptions you bring into the study

inquiry strategy

specific methods of measurement

### Quantitative Research

means of testing objective theories  
examining relationships b/w variables

### Note

Before conducting a study, you should have an **a priori** theory - rationale for why you're gonna do it. Expected result based on previous lit.

### Philosophical Worldviews

Postpositivist (scientific method)

### Postpositivist (Sci Method)

empirical reality

deterministic (cause-effect)

reductive (reducing data to discrete testable ideas i.e. numbers)

reality is objective and measurable. there are laws and theories governing world

NO absolute truth. Evidence established in research is fallible

Research is process of making, refining, and abandoning claims for more warranted ones

### Social Constructivist

inductive

subjective reality

individuals develop various meanings of their experiences, leading the researcher to look for **complexity of views**

meanings are socially & historically based

researcher's background influences their perspective

open-ended qs so participants can share views

### Advocacy & Participatory Worldview

developed in 80s-90s

quali/quali. more specific than SC

reaction against PP structural laws that don't fit marginalized/don't address social issues

researcher is **collaborative** to not further marginalize participants, who can influence research design and process and reap benefits of study

provides voice, raises consciousness, advances agenda for change

### Pragmatic

whatever works - emphasis on research problem and **all available approaches** to understand it. Just be clear on goal of study.

truth depends on whatever works at the time

arises out of actions, situations, and consequences rather than antecedent conditions

not committed to any philosophical system.

**both quali/quali**

world is not absolutely united

### Quantitative Strategies

Survey *cross-sectional* (one time period)/*longitudinal* (long time period)

Experimental *true* (random assignment, IV manipulated) or *quasi* (non-randomized)

### Philosophical Worldview Chart

