

MIXING AND COMPARING METHODS

MIXED METHODS

What is **mixed methods** research?

- It is research that utilizes **both** qualitative and quantitative methods in one project.
- Utilizes both *deductive and inductive* reasoning to answer a research question



MIXED METHODS

It's basically just this!



MIXED METHODS

Why would you use both in a design?

- To take advantage of each **strength** from each methodological approach when engaged in *different stages* of the research process
- Can add unique insights about the intervention process aka **triangulation**

MIXED METHODS

SHOULD METHODS BE MIXED?

- It depends.
- Methodological pluralists believe the social world is **composed of multiple realities** that cannot be understood without multiple methods.
- In other words, both subjective reality composed of *individual experiences* (e.g., languages, cultures) **and** *objective reality* composed of material things and physical processes.

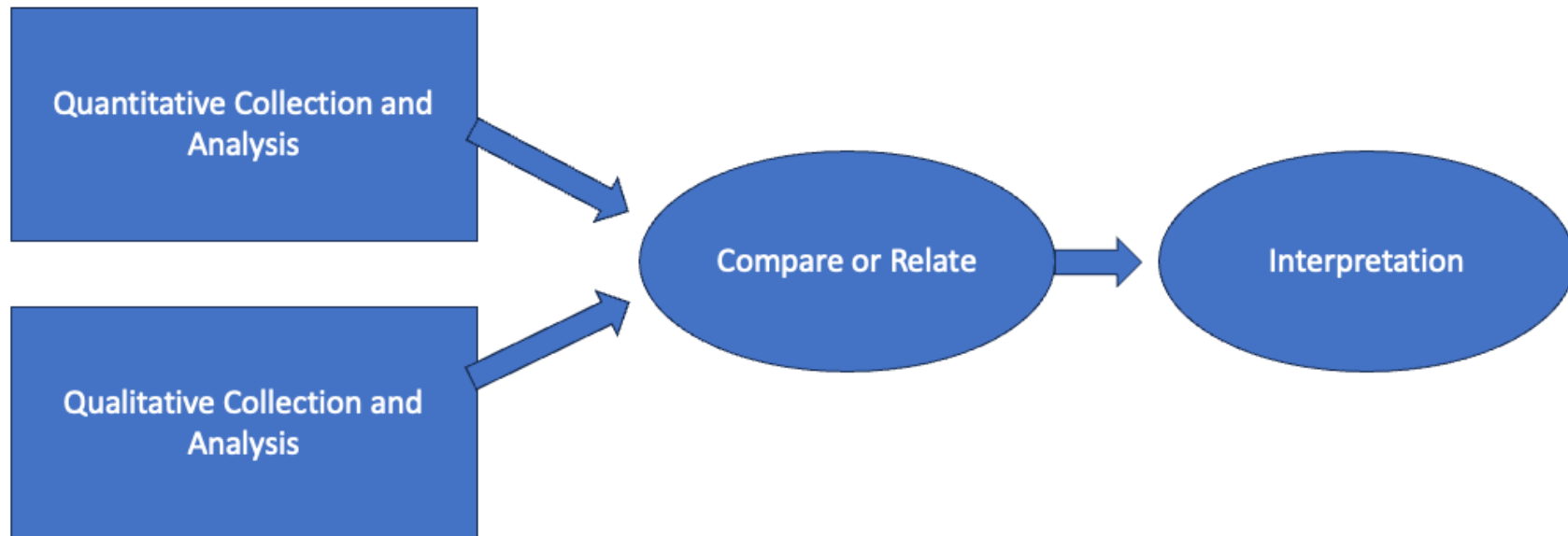
MIXED METHODS

THE SIX TYPES OF METHODS

- **Convergent Parallel Design**
- **Exploratory Sequential Design**
- **Embedded Design**
- **Transformative Design**
- **Multiphase Design**
- **Explanatory Sequential Design**

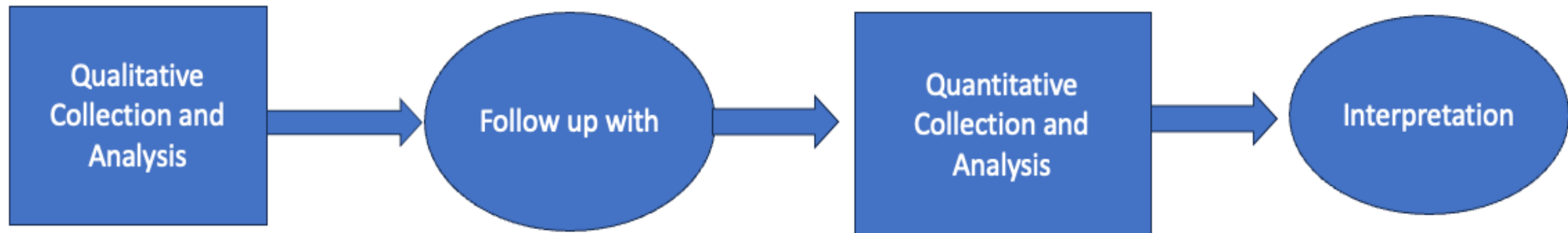
MIXED METHODS

CONVERGENT PARALLEL DESIGN



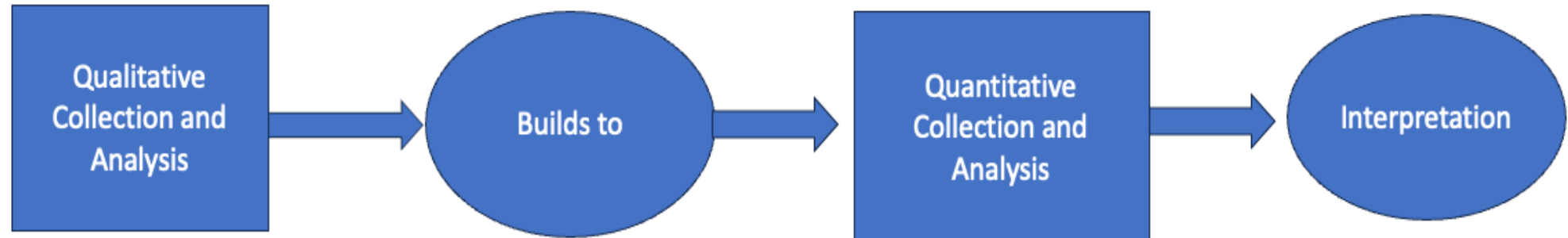
MIXED METHODS

EXPLANATORY SEQUENTIAL DESIGN



MIXED METHODS

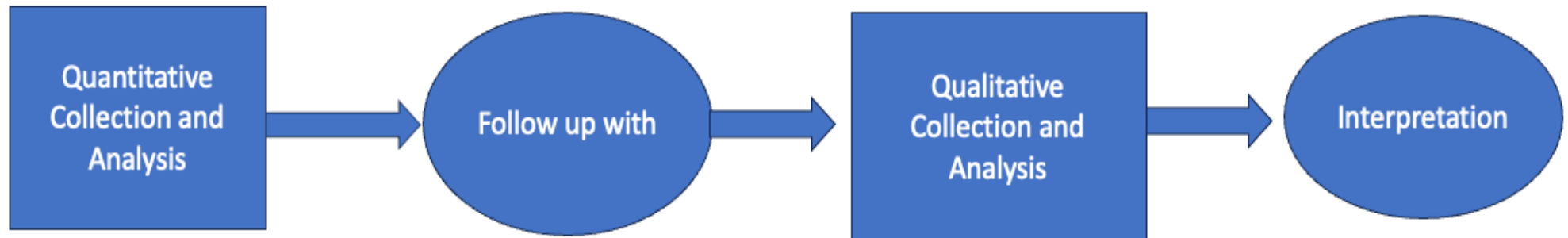
EXPLORATORY SEQUENTIAL DESIGN



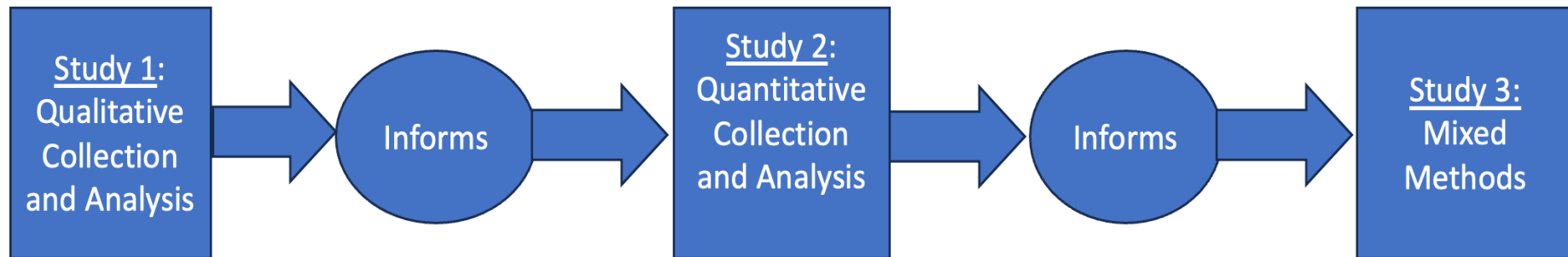
MIXED METHODS EMBEDDED DESIGN



MIXED METHODS TRANSFORMATIVE DESIGN



MIXED METHODS MULTIPHASE DESIGN



COMPARING RESULTS ACROSS STUDIES

META-ANALYSIS

A **quantitative** method for identifying patterns in findings across multiple studies of the same research question.

For example, **Pratt and Cullen's THE EMPIRICAL STATUS OF GOTTFREDSON AND HIRSCHI'S GENERAL THEORY OF CRIME: A META-ANALYSIS**

Effect size is the key statistic to capture the association between the IV and DV across multiple studies.

COMPARING RESULTS ACROSS STUDIES

META-SYNTHESIS

A **qualitative** method used to analyze and integrate findings from multiple qualitative studies.

For example, **Moeller et al., (2016) Advancing restrictive deterrence: a qualitative meta-synthesis**