

Mixed Up Models

EDP 618 Week 2

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Readings



1. Find a partner
2. Discuss
 - your current understanding of what Mixed Methods Research entails and why anyone would want to do it
 - when Mixed Methods Research does or does not seem useful
3. Come to a consensus and
 - co-write a single sentence definition of Mixed Methods Research and decide which partner will read it to the class
 - draw a picture of your description
4. Submit your work to [#in-class-work](#) on Slack and be ready to discuss

Its About Triangulation



Using multiple approaches, data sets, methods, theories, investigators, etc to increase the validity and credibility of research findings

By **data source** - multiple data collection points

By **researcher** – multiple researchers

By **theory** – multiple researchers with different theoretical perspectives

By **method** – multiple methods

Looking for more detail? Look over Luttrell (2005)



By **verification** – member checking, inquiry audit

By **examination of subjectivity** – researcher journaling, inquiry audit

Working Definition of Mixed Methods Research

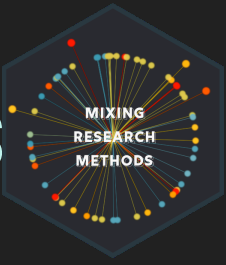


Mixed methodological approaches use paradigms, data sources, and/or analytic procedures from both quantitative and qualitative studies in various combinations.

Notice that there is a lot of detail NOT specified in this definition like

- assumptions,
- data types
- models
- modes of analyses
- a description of the mixing process

Uses for Standard Mixed Methods Approaches



Triangulation

a single phenomenon

Complementarity

overlapping phenomenon

Development

situations where one method informs another

Initiation

finding paradox(es) and/or contradiction(s)

Expansion

differing methods to address different phenomena

Designs



Explanatory



Process. qualitative data helps explain or build upon initial quantitative results

Strengths

- Single researcher
- Two-phases
- Single or multi-study
- Quantitative oriented

Challenges

- Time consuming
- Positives/negatives in using the same sample
- IRB approval

Exploratory



Process. starts with qualitative data, to explore a phenomenon, and then builds to a second, quantitative phase

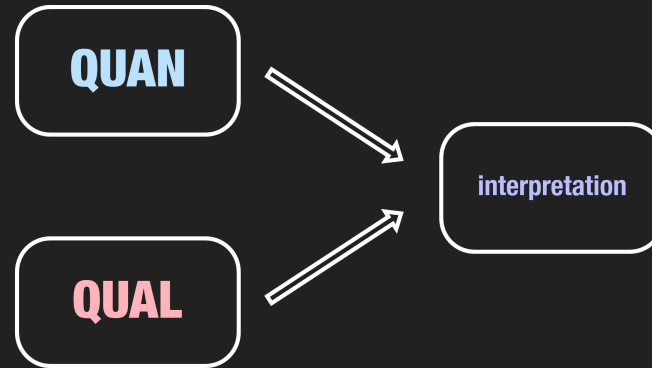
Strengths

- Single researcher
- Two-phases
- Single or multi-study
- Qualitative oriented

Challenges

- Time consuming
- Must the same sample
- IRB approval

Triangulation



Process. implementation of the quantitative and qualitative methods during the same timeframe and with equal weight

Strengths

- Time reducing
- Single-phase
- Multi-study
- Quantitative and Qualitative equally represented
- IRB approval

Challenges

- Typically needs multiple researchers
- Different samples are typically needed
- Fragile

Create a model



1. Find a partner
2. Premise. The effect of the pandemic on student learning in a university setting
3. Come to a consensus and
 - Write a research question
 - Come up with a mixed methods design using the *A Short But Not So Short Primer on Mixed Methods Designs* document as a reference
 - Outline the methodology and analyses
4. Submit your work to [#in-class-work](#) on Slack and be ready to discuss

That's It!

Any questions?



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