Where are we going today?

1. Research Questions
2. Research Design – types of research
3. Quality Indicators of Quantitative research
4. Quality Indicators of Qualitative research
Constructing Research Questions

• The development of precise research questions is critical for a quality study.

• A good research question will:
  • Align with your chosen theory and theory family
  • Clearly worded and state a single focus of the topic
  • Inform the research design
  • Feasible – appropriate according to scope (how big or small), available time, available resources and your expertise
  • Scientifically important (literature review)
  • Socially important

• Research questions will vary depending on whether a study is quantitative or qualitative.

• Research questions will need constant review/refinement.
Alignment of Research Design

- Lit Review
- Theories
- Findings
- Data Analysis
- Research Paradigms
- Research Methods
- RQs

Move forward
Move backward
Research Paradigms

- Quantitative
- Qualitative
- Single Subject
HOT TOPIC

Promoting motor skill competence in preschool children who are developmentally delayed & from disadvantaged environments

NASPE, 2009
Quantitative research is DEDUCTIVE & generally uses scientific methods which can include:

- The generation of models, theories and hypotheses
- The development of instruments and methods for measurement of hypotheses
- Experimental control and manipulation of variables
- Collection of empirical data
- Modeling and analysis of data
- Deductive evaluation of results tied to theory, models or hypotheses
- Goal of generalizing findings to other populations