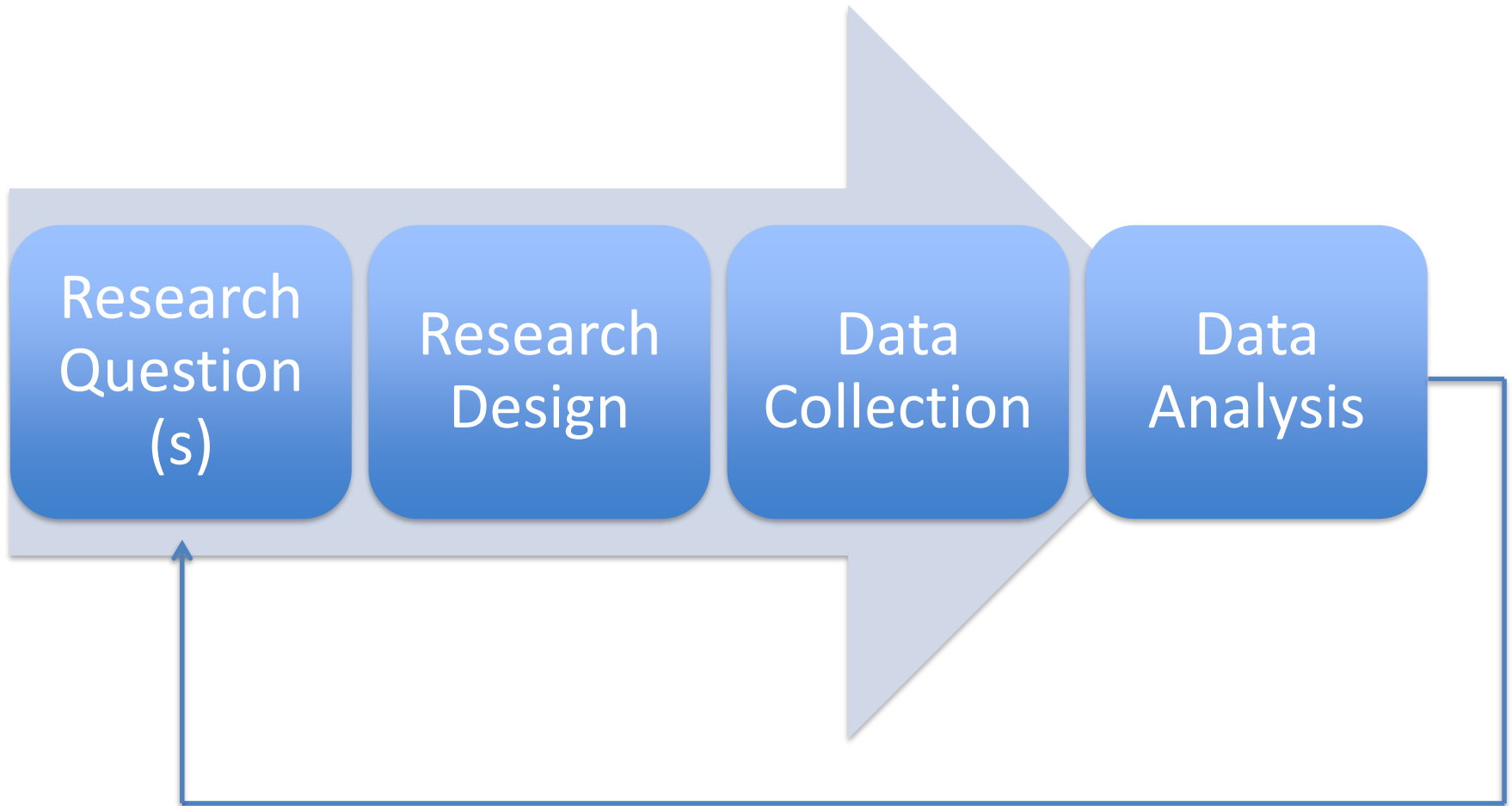


Applications of SoTL: Analyzing Results

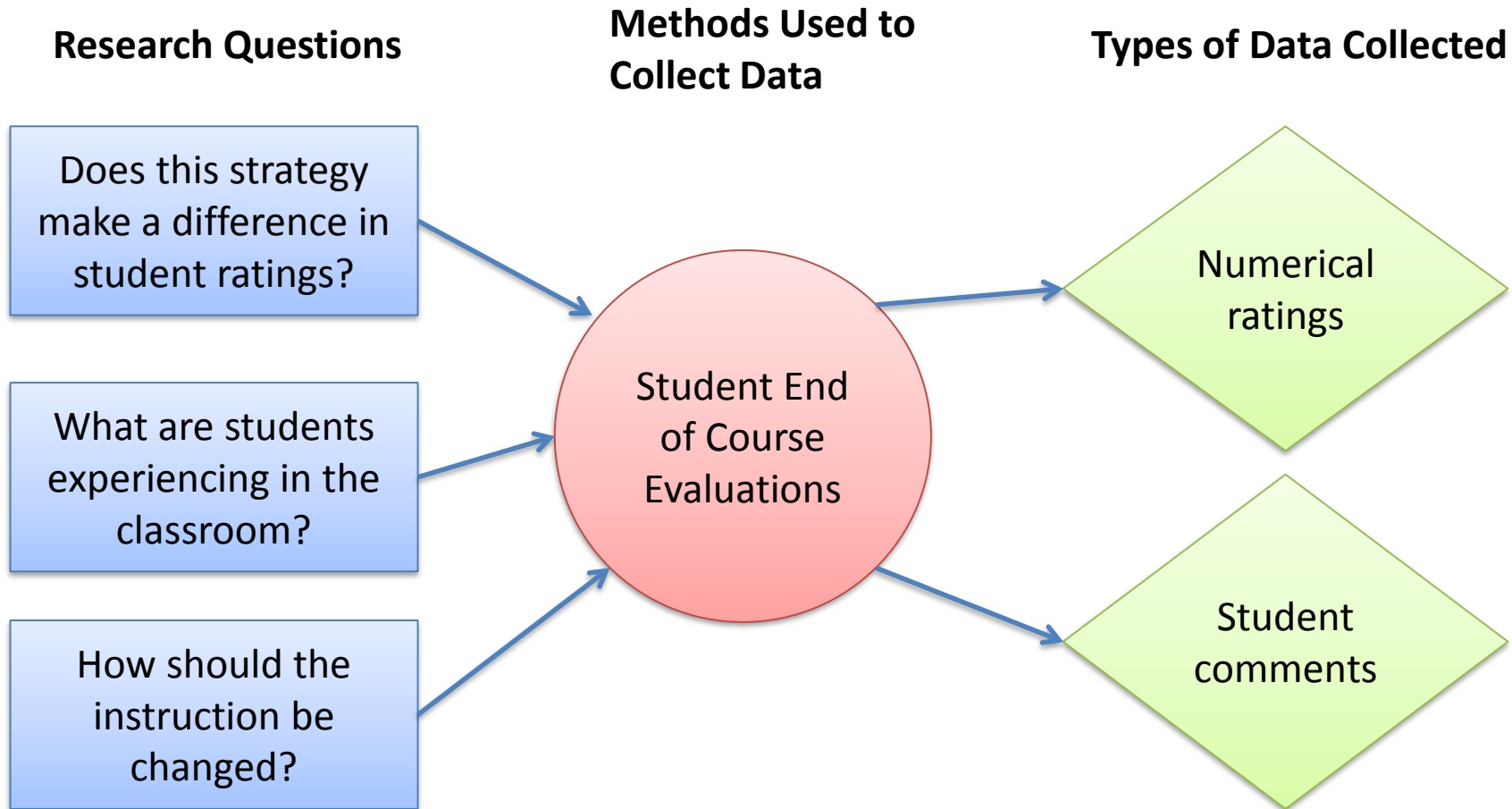
Diane D. Chapman

Director, Office of Faculty Development &
Raleigh EdD in Community College Leadership
NC State University

The Flow of your SoTL Project



Your Study: What Was Collected?



Case Study

Interview

Observation

Focus Group

Survey

Experiment

emails

Audio /video
transcripts

Existing
documents

Course
products

rankings

checklists

Ratings

Before and
after data

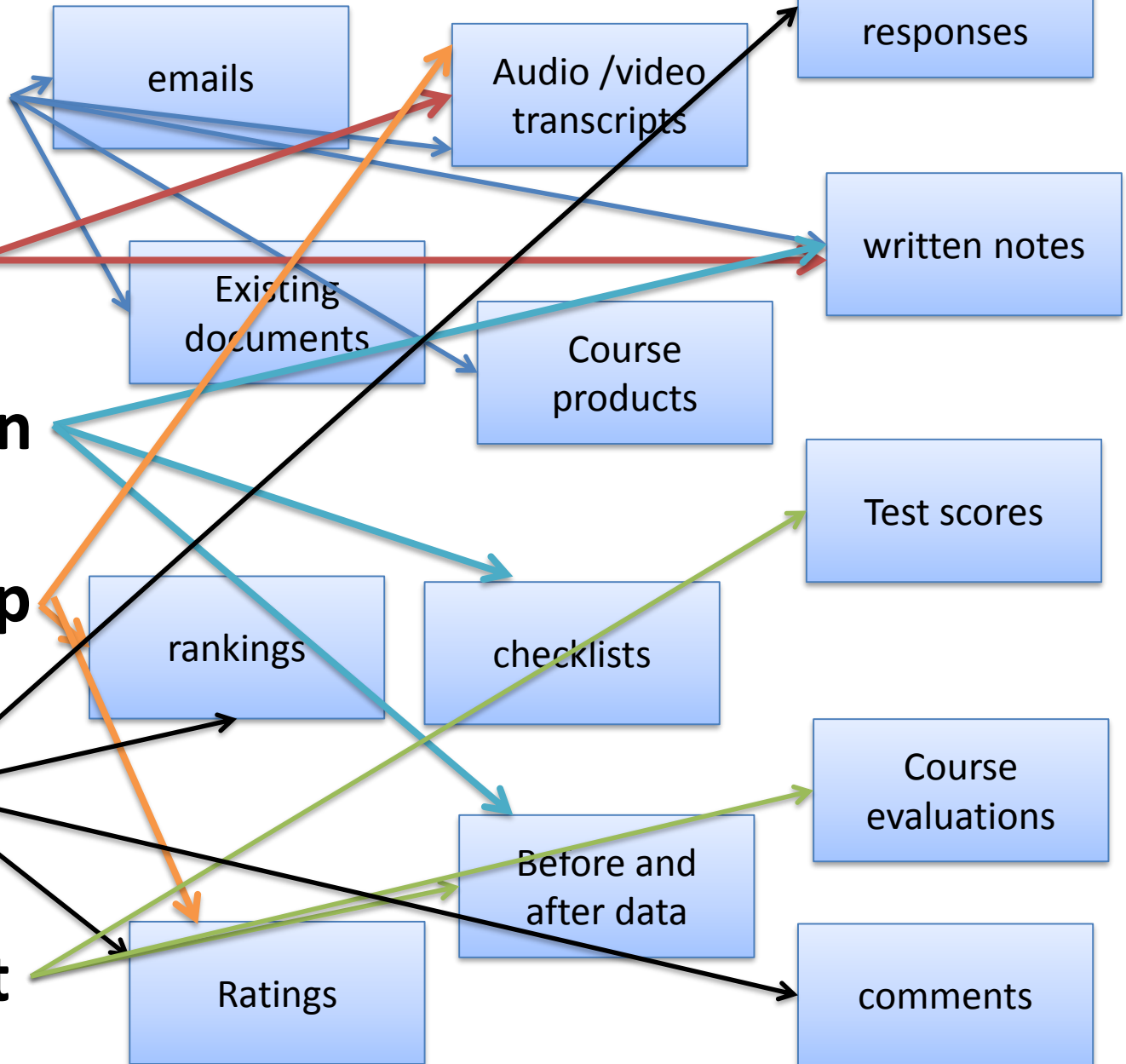
Likert scale
responses

written notes

Test scores

Course
evaluations

comments

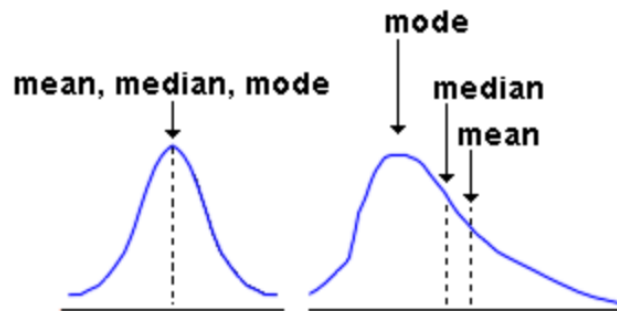


Quantitative Analysis (Numerical data)

- Make sure data is in numerical format (yes/no, ranges, text data)
- Transfer to a data summary table (spreadsheet)
- Remove qualitative comments not under analysis
- “clean” the data (missing responses, ineligible respondent, etc.)

Select Techniques

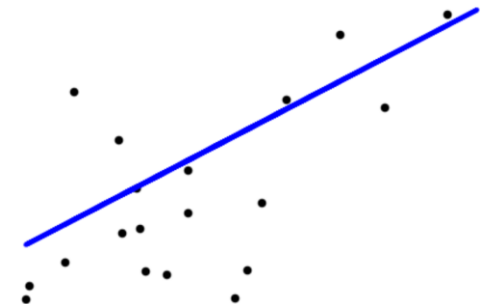
Measures of Central Tendency



□ Inferential - comparison
contrast, prediction
(correlation, t-tests, chi
square, regression)

□ Variability (range,
variance, std.
deviation)

	Item 1	Item 2	Item 3	Item 4
Item 1	1			
Item 2	.34	1		
Item 3	.24	.24	1	
Item 4	.15	.34	.13	1



Lets Analyze!

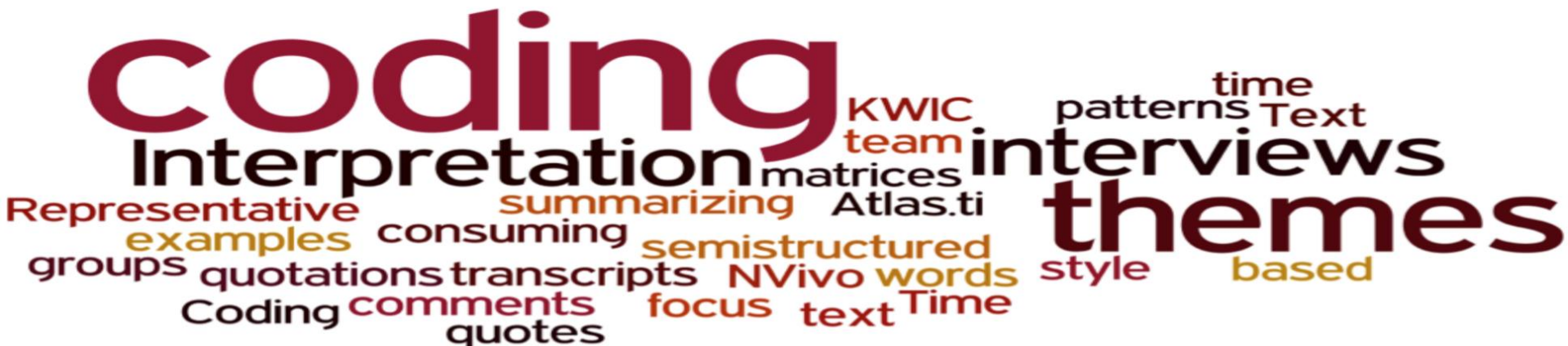


Qualitative Analysis

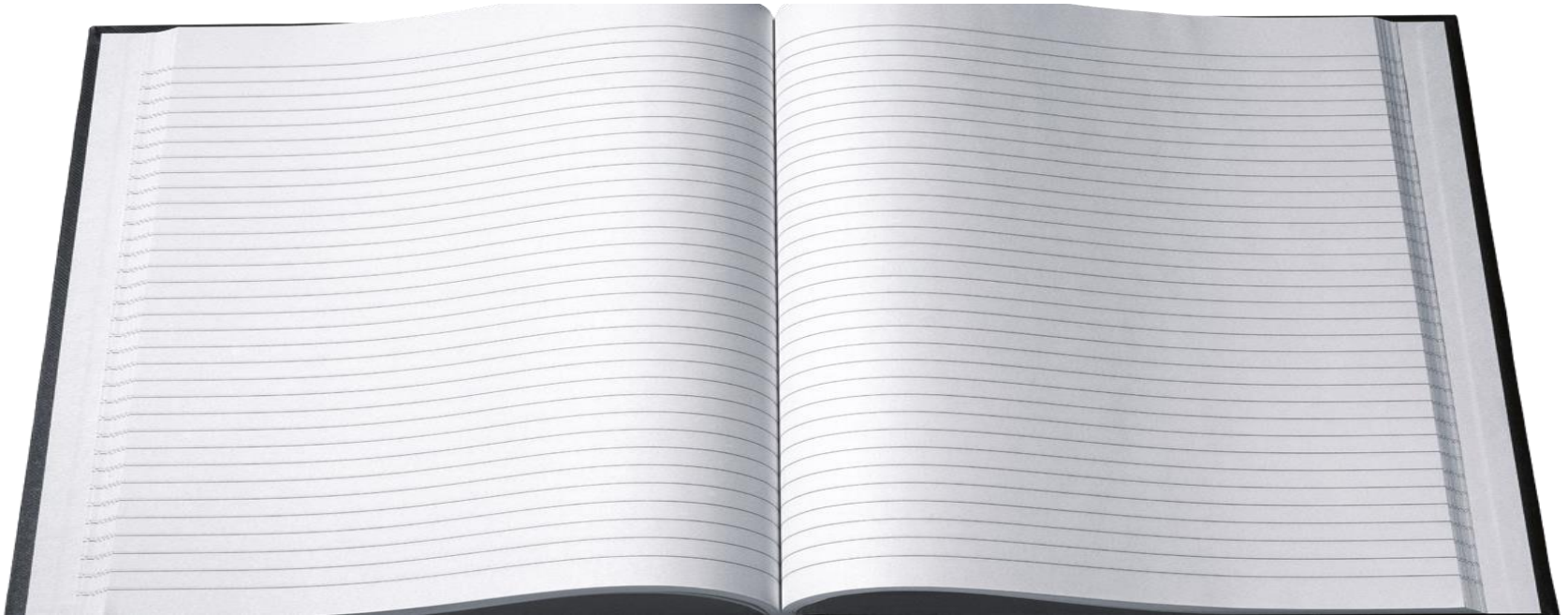
- Text, observations, comments
- Usually answers How and Why questions
- Gives context to quant (tells a story)
- Data is interpreted
- Researcher becomes part of the analysis
- Researcher must state biases

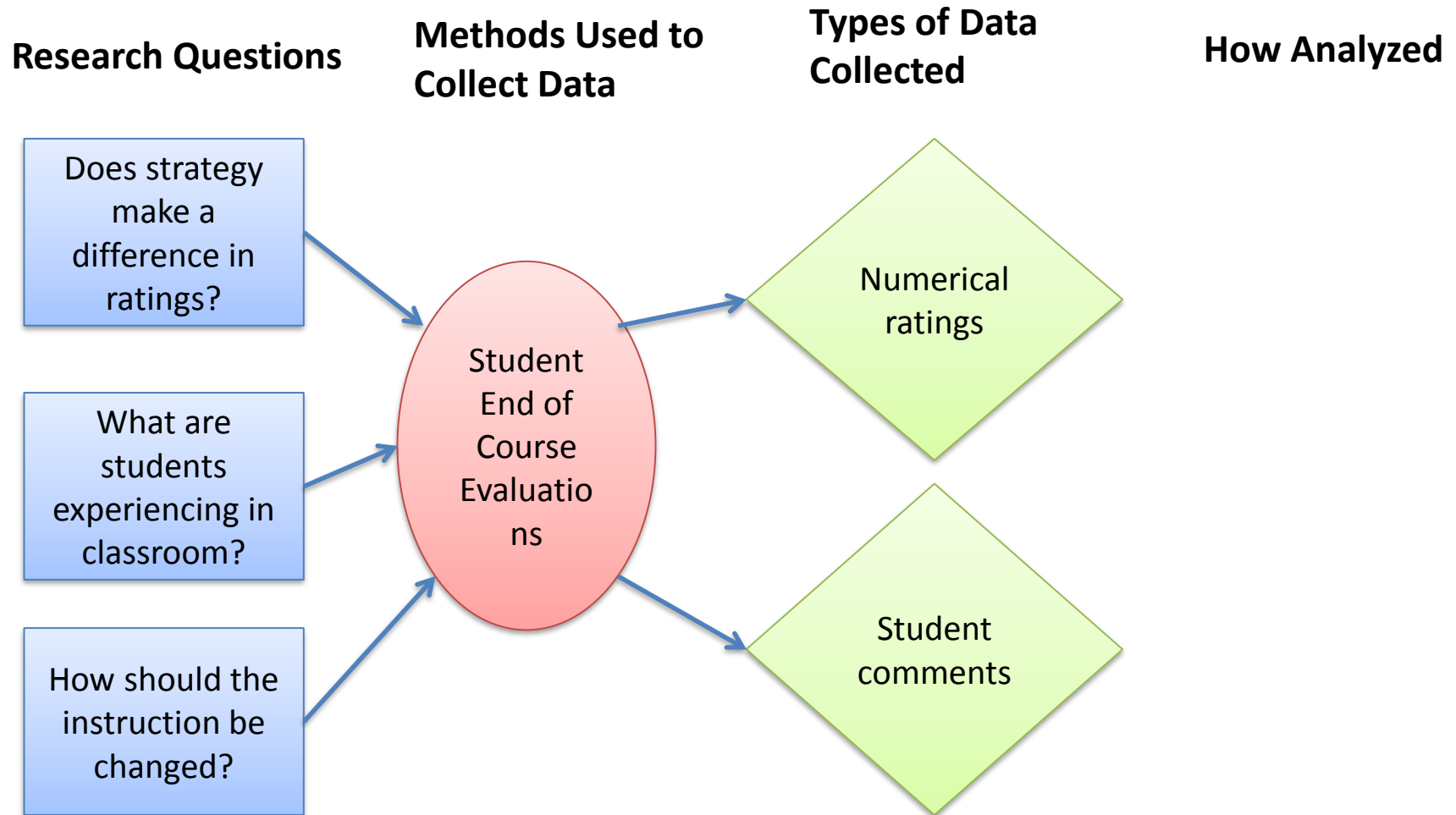
Qualitative Process

- Immerse yourself in the data (read, reflect)
- Research question guides analysis
- Look for themes in the data
- Look for patterns or connections between themes
- Interpret what you found
- Software can help



Let's Analyze







Questions, Clarifications and Comments