

Week-04-L-05

Select a Statistical Model

Interpretation of data

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Interpretation of data



Adding meaning to information by making connections and comparisons and exploring causes and consequences

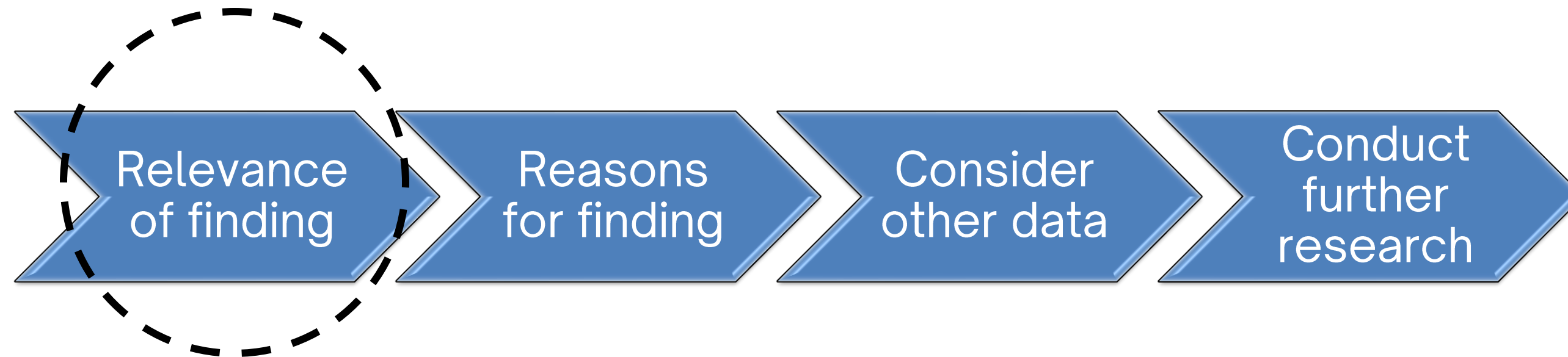


Interpretation – relevance of finding



Adding meaning to information by making connections and comparisons and exploring causes and consequences.

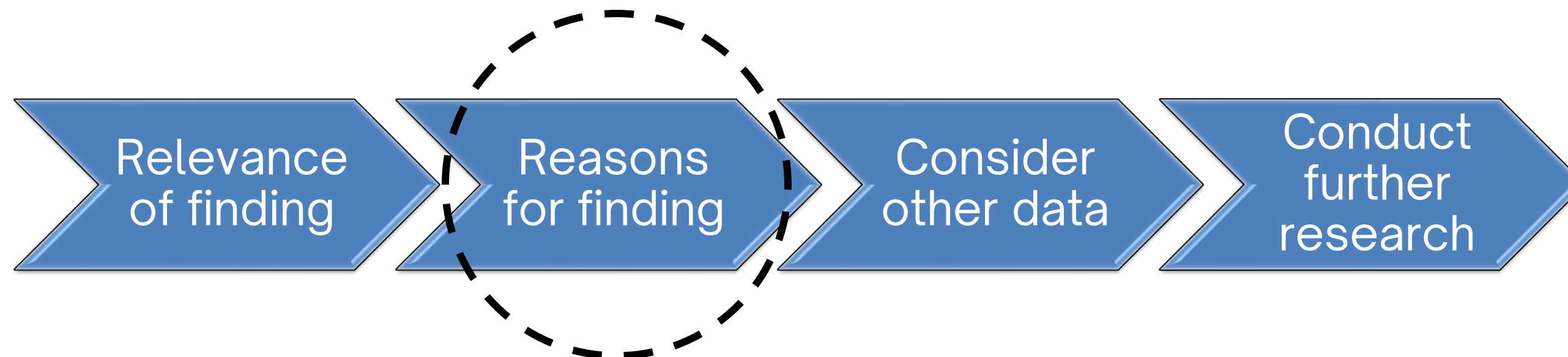
- Does the indicator meet the target?
- How far from the target is it?
- How does it compare (to other time periods, other facilities)?
- Are there any extreme highs and lows in the data?



Interpretation – possible causes?



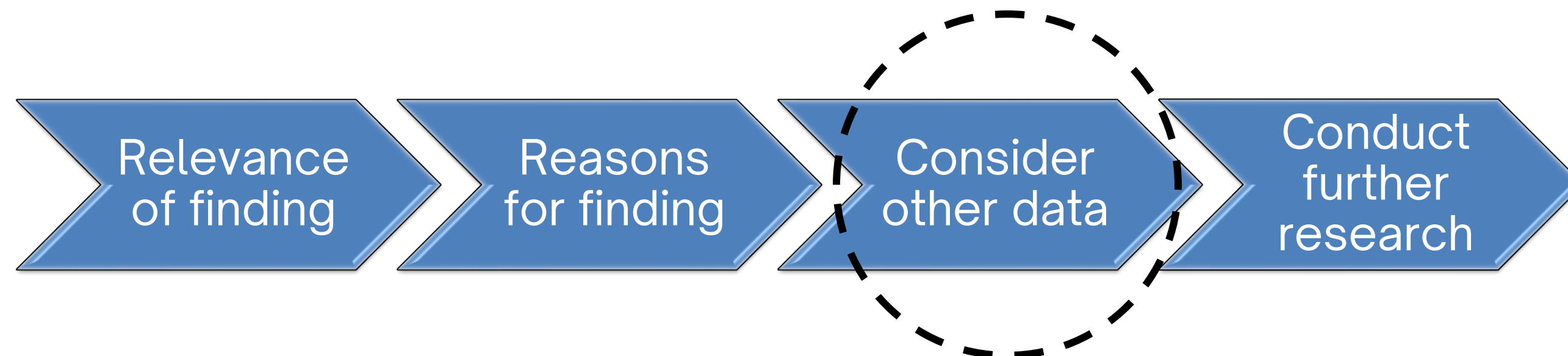
- Supplement with expert opinion
- Others with knowledge of the program or target population



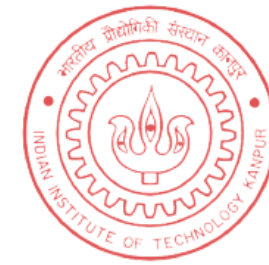
Interpretation – consider other data



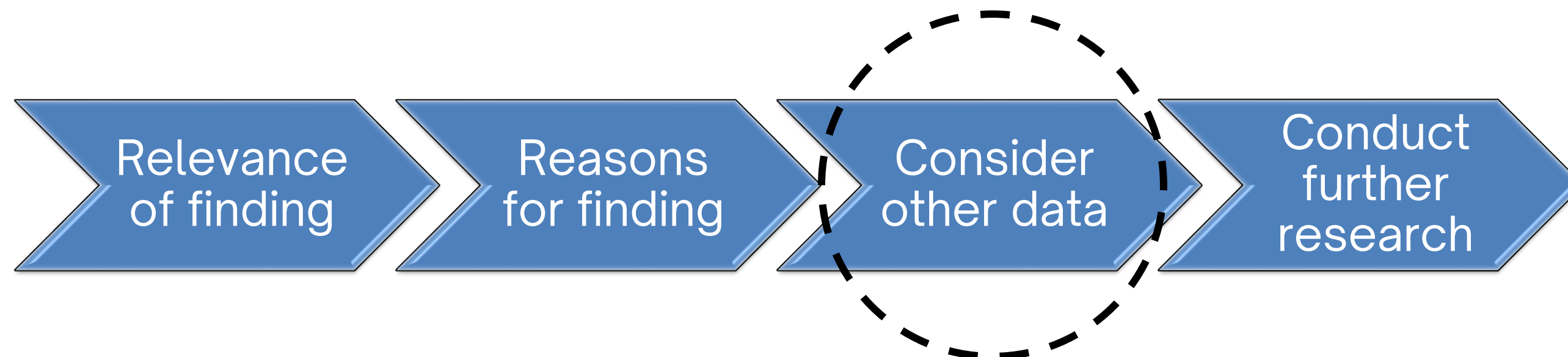
- While it is important to consider other indicators in your analysis, remember – descriptive statistics do not show causality. In these cases, look at other data sources.
- Use routine service data to clarify questions
- Calculate nurse-to-client ratio, review commodities data against client load, etc.
- Use other data sources



Interpretation- other data sources



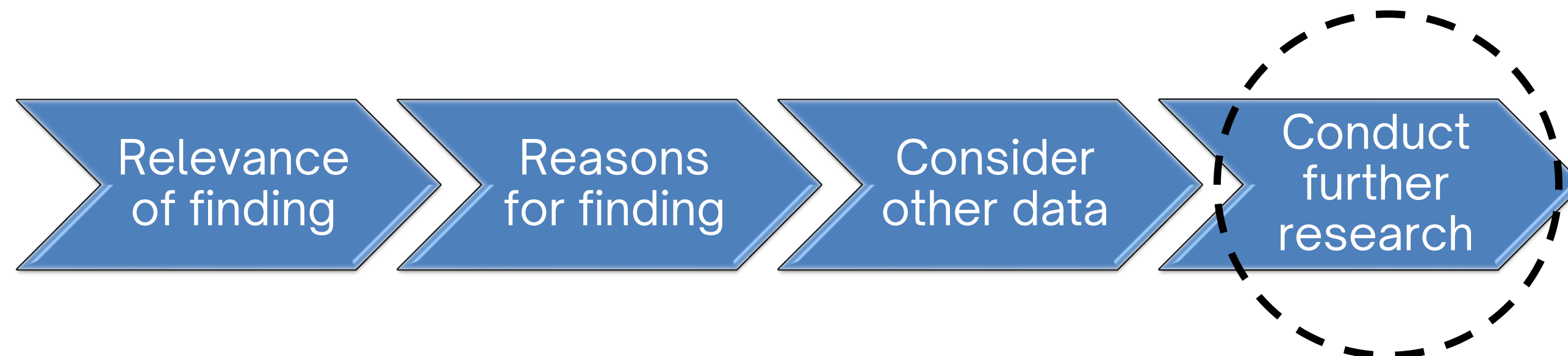
- Situation analyses ↙
- Demographic and environment surveys ↙ PM-10M
- Performance improvement data ↙



Interpretation – Conduct further research



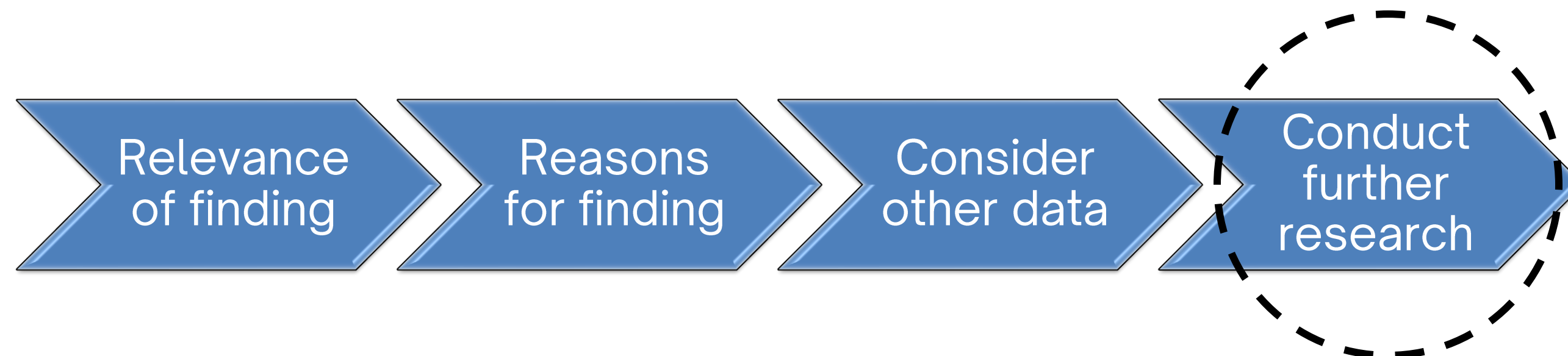
- Once you review additional data, it may become apparent that these data are not sufficient to explain the reasons for your findings – that a data gap exists.
- In these instances, it may be necessary to conduct further research.
- The types of research designs that are applied will depend on the questions that need to be answered.



Interpretation – Conduct further research



- Consider the feasibility and expense involved with obtaining the new data.
- Simple concept:
 - Data gap → conduct further research.
- Methodology depends on questions being asked and resources available



Thank you

