

# FORMULATING A RESEARCH PROBLEM AND OPERATIONALIZING THE RESEARCH PROBLEM

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# What is Research?



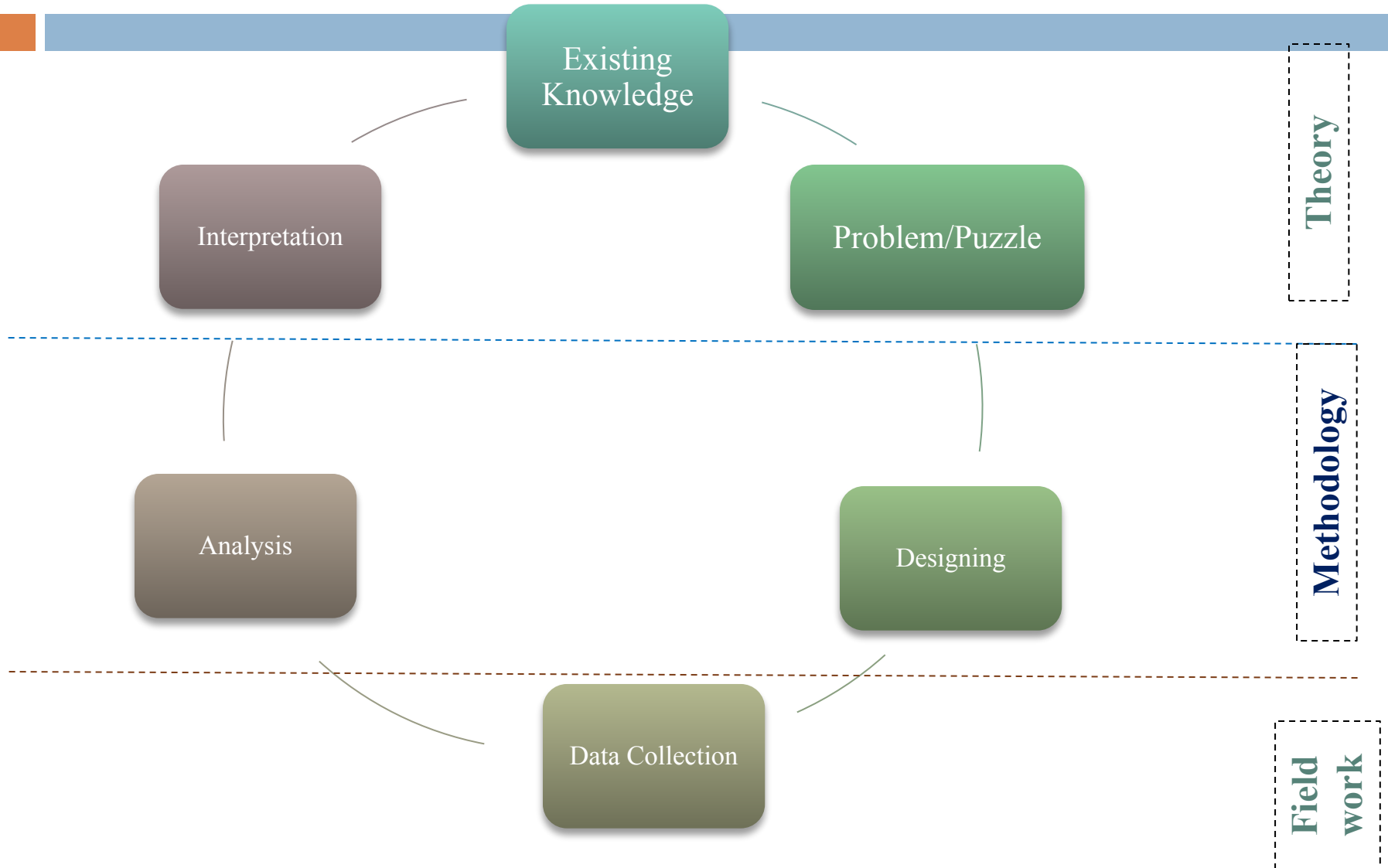
Research is oriented towards **asking** some **substantial questions** about a phenomenon and **finding substantive answers** through evidence and their interpretations..

# Types of Research?

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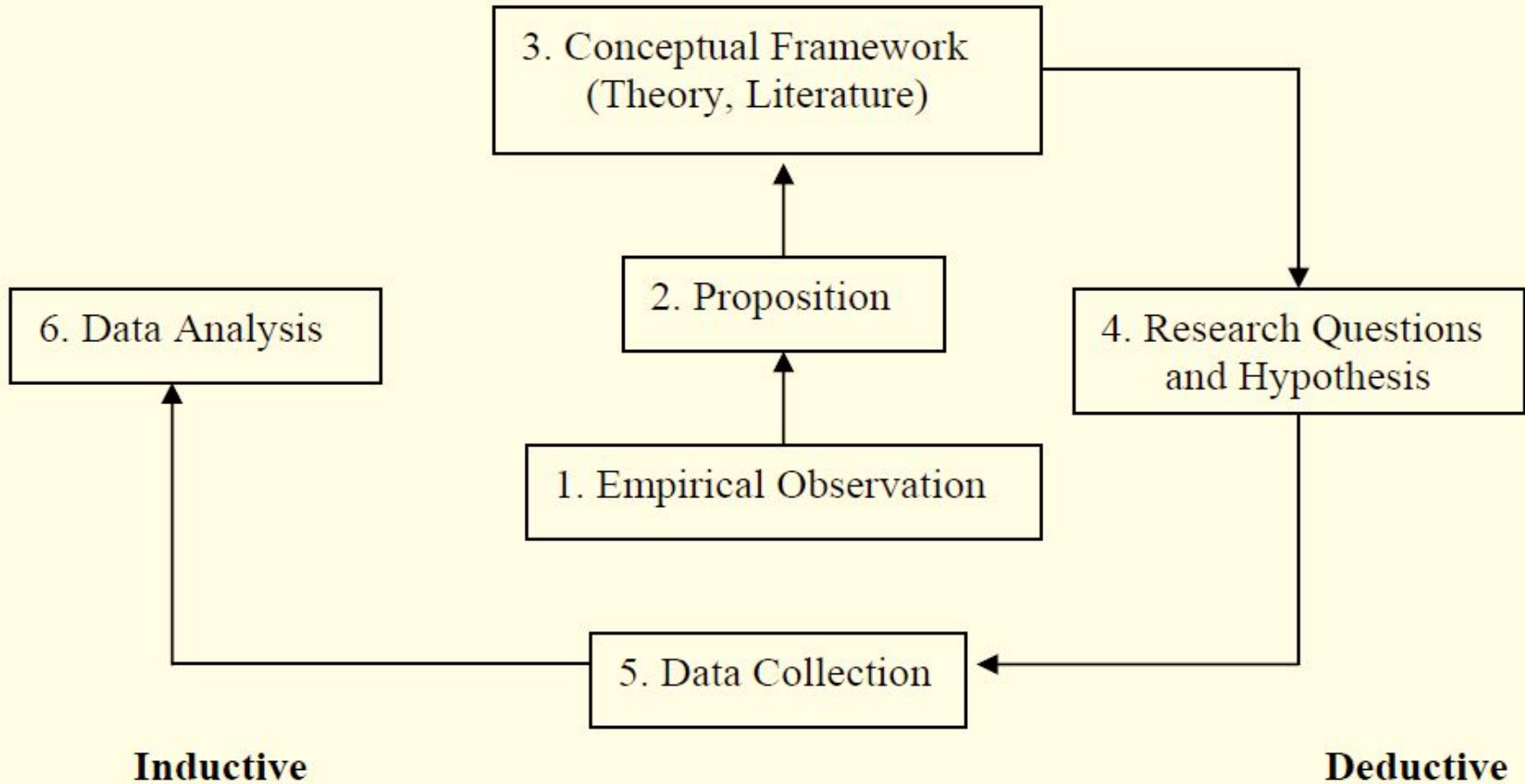
- Explorative research
- Descriptive research
- Explanatory research
- Predictive research

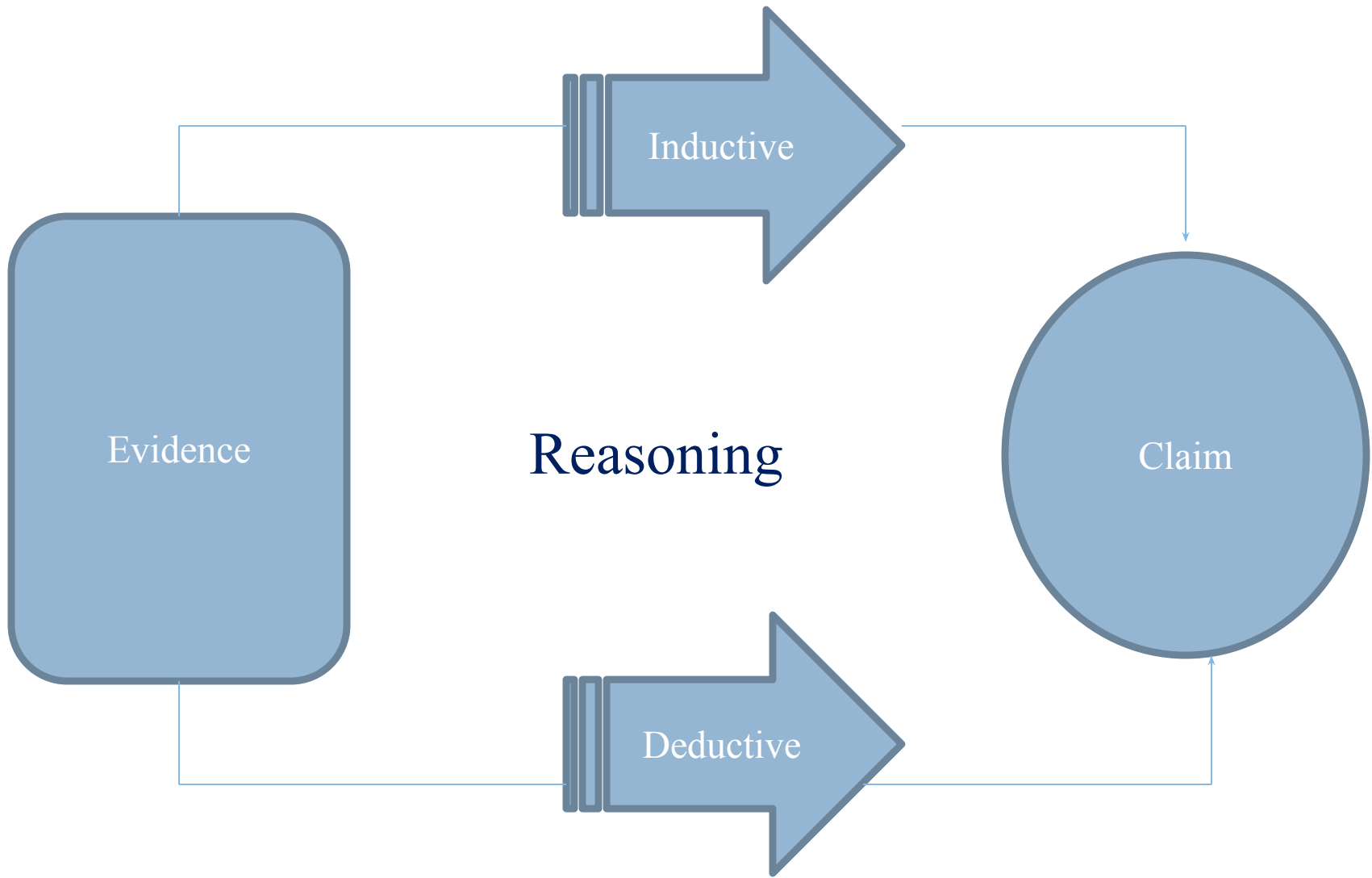
# Research Cycle



# What does a researcher do?

## The Research Process.





Evidence

Reasoning

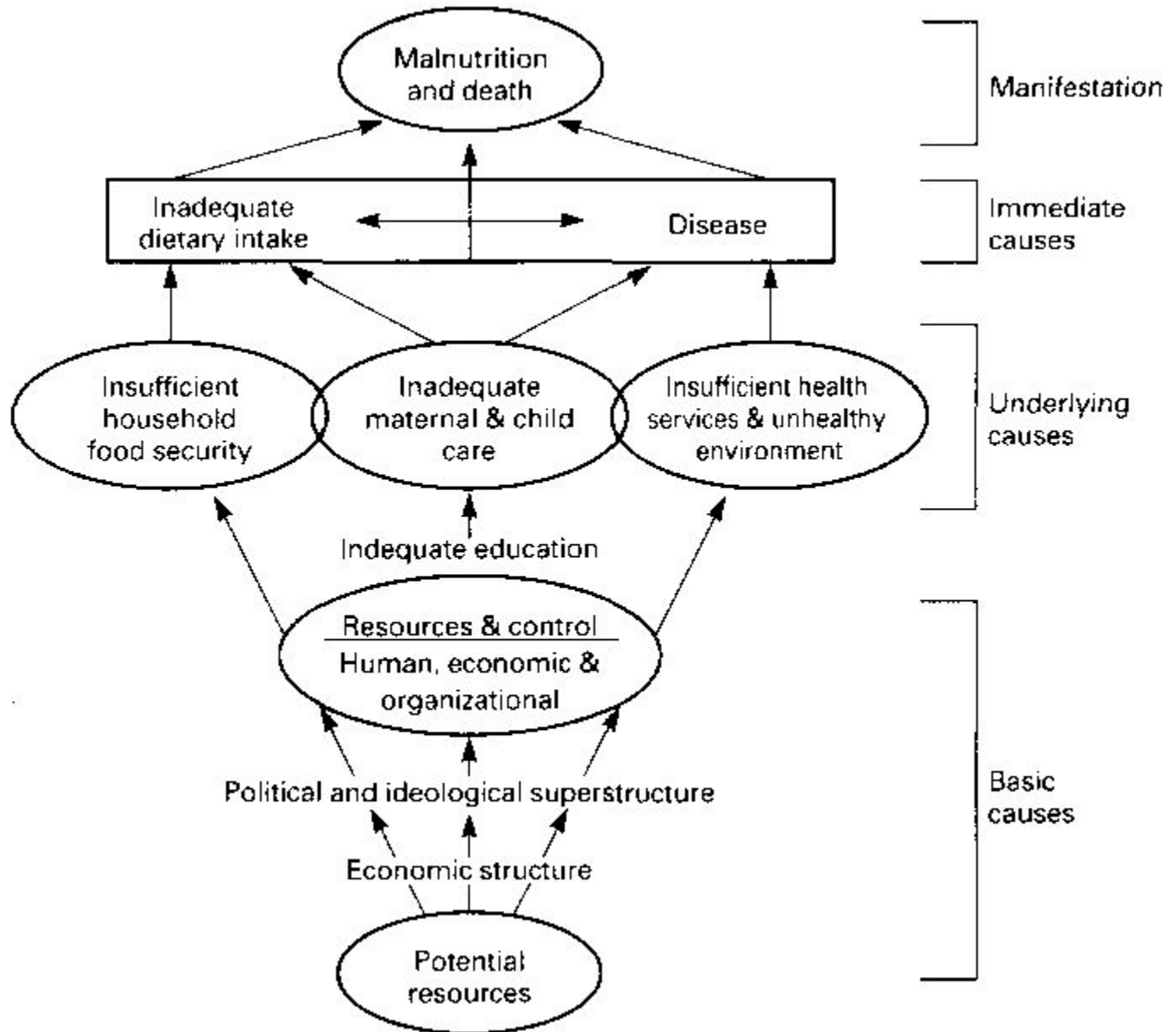
Claim

Inductive

Deductive

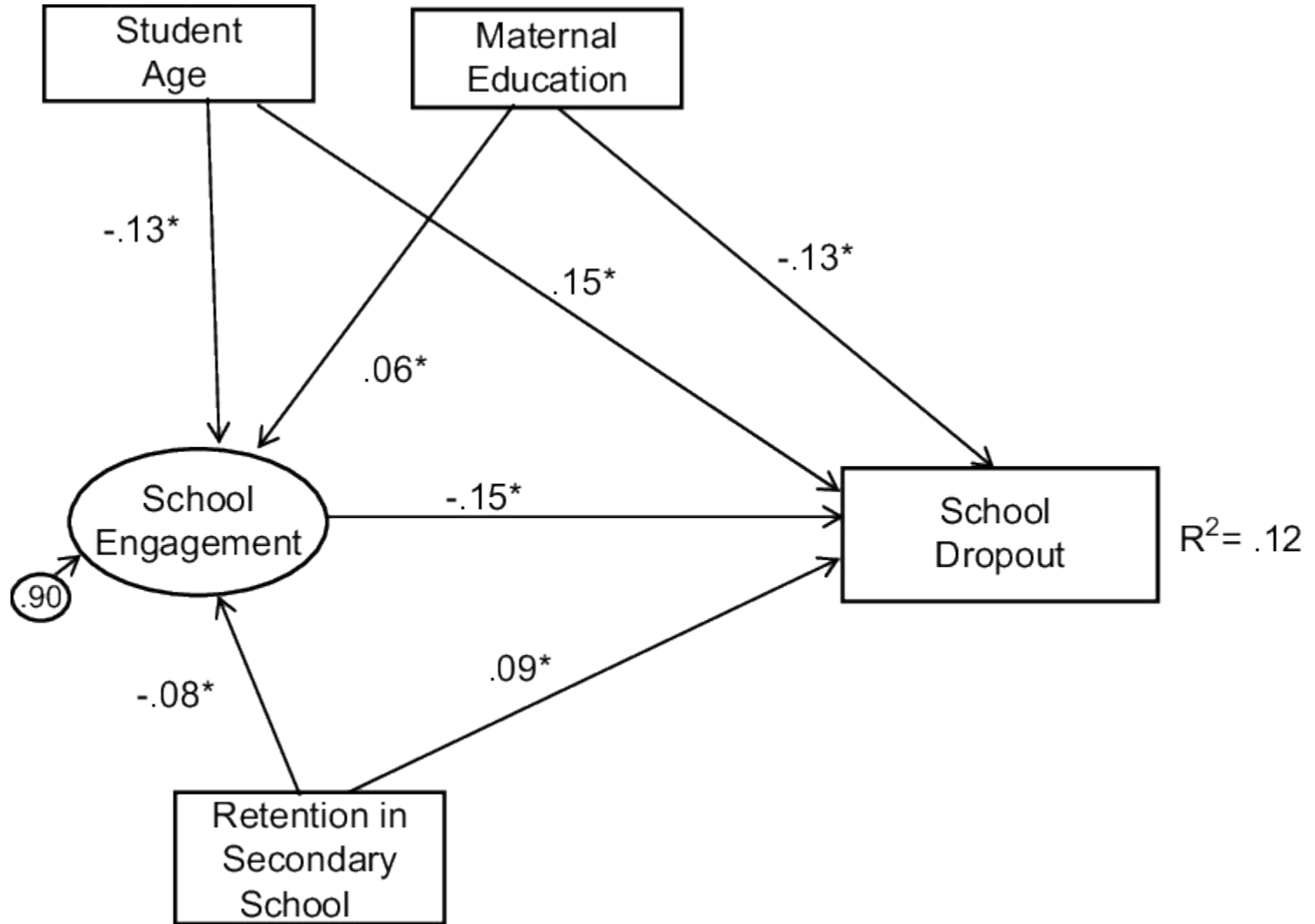
<b>Attribute</b>	<b>Deductive</b>	<b>Inductive</b>
<b>Direction</b>	“Top-Down”	“Bottom-Up”
<b>Focus</b>	Prediction changes, validating theoretical construct, focus in “mean” behaviour, testing assumptions and hypotheses, constructing most likely future	Understanding dynamics, robustness, emergence, resilience, focus on individual behaviour, constructing alternative futures

# Conceptual framework: some examples





# Conceptual framework: some examples



# Theoretical and Conceptual framework

