



Research

“Doing Research”

Lecture Session for EE459

Week 1

Prof. Dr. Euamporn Phijaisanit
euamporn@econ.tu.ac.th



1



The Basic

2



Research

- A systematic inquisition for certain topic of interest
- Research, Inquisition
- Systematic

3



Types of Research

- **Applied Research, Policy-Oriented Research**
- **Basic Research, Fundamental Research**

4



Approaches

- Historical Approach
- Scientific Method



5



Scientific Method

Identify our Problems First!



Develop our Methodological Framework



Collect data/information to test the our model

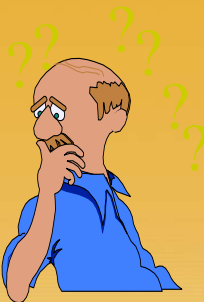


6



What are economic models for?

for forecasting or predicting how the economy will change accordingly to the changes in the assigned economic variables in the models.



7



What is the difference between Theory and Observation?

Theory

A systematically tested and verified explanation of how and why things happen.

Observation

A proposal based on observation without systematic correlation between variables and without being tested.



8



Why do we need theory?

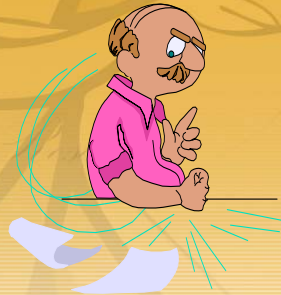
Theory is an important foundation for determining how the model work.



9



Hence, a good model should be backed up by a good, validated theory.



10



Scientific Methods

- **Inductive Method:**

Survey → Formulate → Conclude

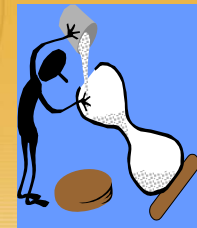
- **Deductive Method:**

Formulate → Survey → Conclude

11



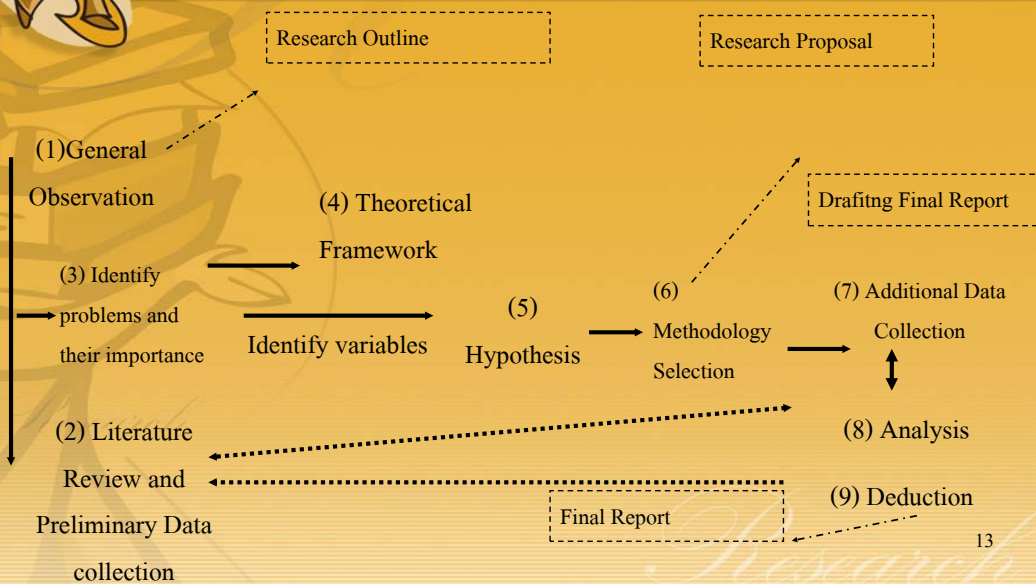
How do we begin ???



12



Overview of Research



Floor-opening Topics

-
-
-
-
-