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Towards Research for Beginners:

A Case Study.

Ex: Doing research is on the way towards the truth road

It means a "Road".  
真路

Scientific Method

Main: Case Study, and issues.

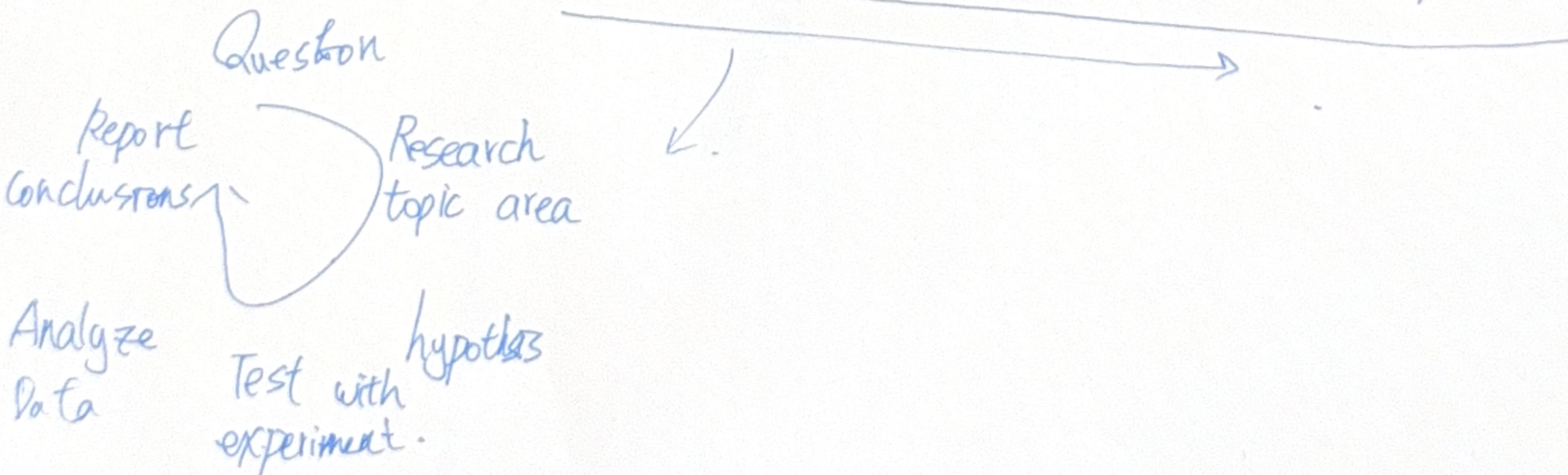
Research is a road for "finding" truths (new knowledge)?  
Something right and false.

Why to design → not convenient.

or improve something. (from method.)  
of now new one solution.

Every day Problem with the Scientific Method.

Observation. Recognition. Definition. Hypothesis. Prediction. Experiment.



# The Complexity of Strong Conflict-free Vertex Connection $k$ -Colorability.

Graph Coloring.

Reduction from 3-SAT Problem.

$k$ -coloring of  $G$  (edge)

Conflict-free