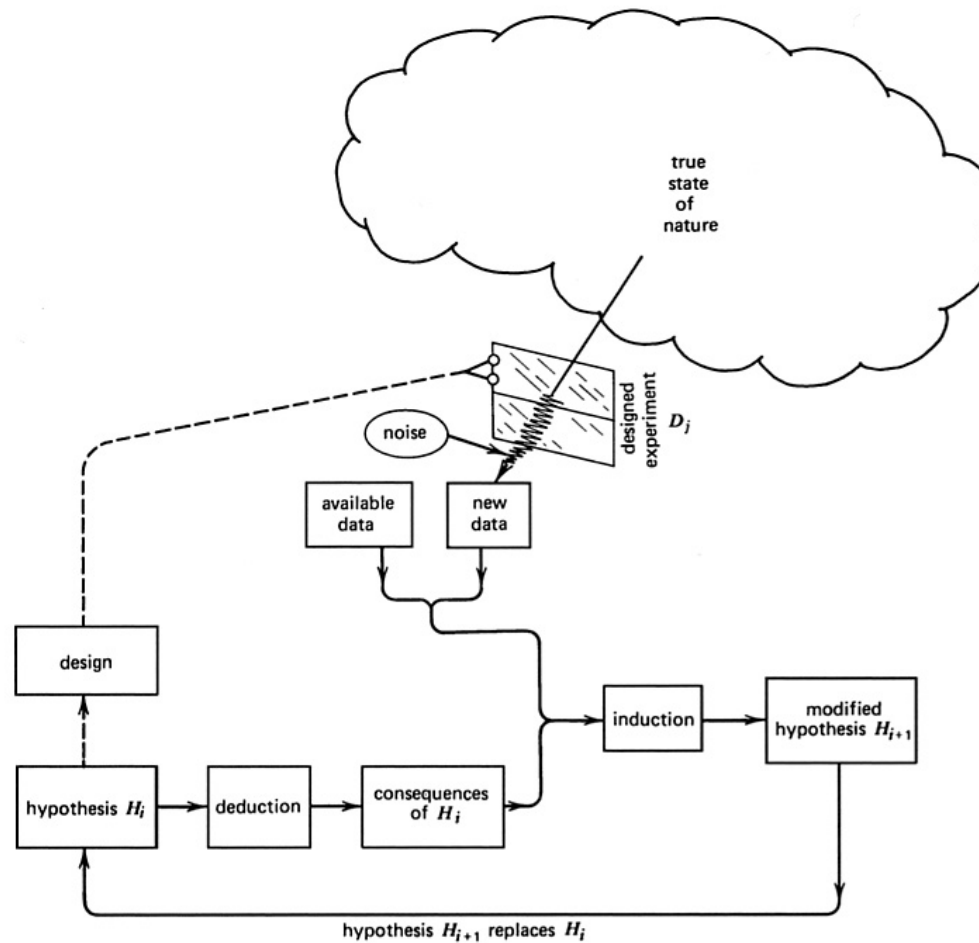


Questions?

- Project
 - Literature review
 - *Quick description of your project and your goals*
 - *What has been done before*
 - Around 10 references
 - *Why do you think it is not adequate*
 - *How your project improve upon previous contributions*

Scientific Method?

From Scientific Method in Practice (Gauch 2003)



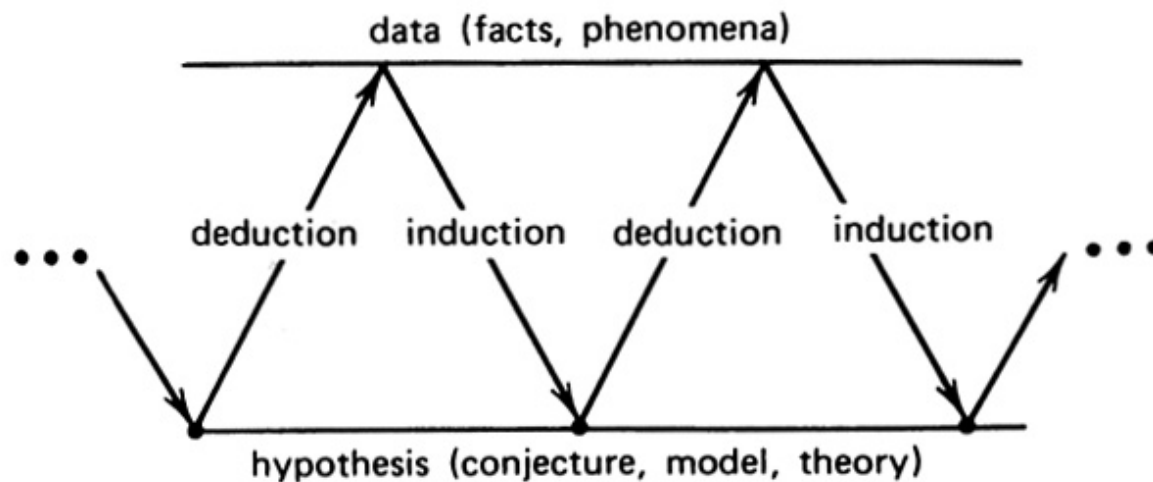
Relationship between theory and data

- Henry H. Bauer point of view?

In “The So-Called Scientific Method”

- Gauch description

In “Scientific Method in Practice”



“Setting the Stage for Discovery”

Robert S. Root-Bernstein

“Discovery consist of seeing what everybody has seen
and thinking what nobody has thought”

A. Szent-Györgyi

- What are the 3 major Root-Bernstein’s hypotheses?
 - Science is not only about cataloguing facts
 - Science focus on expending our knowledge by looking for:
 - *Paradoxes*
 - *Contradictions*
 - *Anomalies*
 - Scientists need to be attentive to the unusual and try to explain it