Questions?

• Final
  – In class final on May 22nd from 10:30 to 12:30

• Paper review in class
  – Be ready to have a draft by May 1st
Project: methods and design

• 10 min presentation
  – Quick description of your project and your goals
  – Depending on your topic
    • *Low-Fi prototype of your interface*
      – 2-3 key scenarios you are planning to address
    • *Experimental design*
      – Hypotheses, variables, population (consent form), apparatus, protocol
    • *User study design*
      – Hypotheses, population (consent form), protocol

• 5-10 min discussion
  – The class will challenge your claims
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”
Henry H. Bauer’s Taxonomy

- What are the dimensions?
- Where does HCI stand?
“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
Reading for next class

• Doing Psychology Experiments
  – Ch 1, 2, 3
  – Be prepared to explain how these ideas can be applied to your project