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