HBE Outline

1. Theoretical Background
2. Hunter Gatherers
3. Foraging Strategies/Optimal Foraging Theory
   1. What is it? What does it do
      1. Answer specific biological outcomes that have adaptive answers (outcomes maximize fitness in some way)
      2. Define a range of alternative strategies and costs involved that could lead to those outcomes
      3. Define constraints that narrow alternative strategies
      4. Predict outcomes from trade-offs between operation costs and fitness benefits
   2. Components of any optimization model
      1. Currency
      2. Constraints
      3. Decisions
      4. Simple
      5. Frequency-dependent
   3. Diminishing Returns
   4. Confounding variables
   5. Criticism
   6. Models/Applications
      1. Prey-Choice Model
      2. Patch-Choice Model
4. Kinship/Family Structure
5. Cooperation and food sharing (tolerated theft, RA, costly signaling, kin selection)
6. Evolution of Culture
   1. Generation
   2. Transmission – Boyd and Richerson