# Outline for Decision Analysis and Forecasting

1. Proposed Title
   1. Coping up with climate change: A look into farmers´ decision strategy
2. Research Questions
   1. How does climate change affect farmers?
   2. What are the current on farm practices that are starting to change due to climate change?
   3. What do farmers consider when making decision about planting or not planting?
   4. Why are farmers shifting from transplanting to direct seeding?
   5. What are the underlying consequences of the decision of the farmers and its implications on the shift in production systems?
3. Variables for consideration
   1. Weather information for the last 20 years if available to see climate variability
   2. Amount of rainfall (monthly and annually) to see if there is really water shortage
   3. Usual planting calendar versus planting calendar when water is not enough
   4. Planting method: transplanting versus direct seeding (advantages and disadvantages)
4. Statistical tools to be used using R Programming
   1. Packages etc. (group discussion)