

# Chapter 4 Assessment - Planning Worksheet

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- What sport do you want to use for your next project ? [We will make up our data for this project so it will be easier to use a wide variety of sports]
- What is your population of interest ? [This is who you want to (pretend) carry out an experiment with - for example MLB players or SRHS baseball team members]
- Variables
  - What is the response variable you want to measure ? [it needs to be a categorical variable like win/loss, hit/miss, success/failure]
  - What is the explanatory variable ? [such as length of softball bat, type of shoes, pre-competition food - something that you think might affect the response variable]
- Hypothesis
  - $H_0$  :
  - $H_a$  :
- How will you randomly assign subjects to the treatments in your (pretend) experiment ? [see page 124 for ideas]