

The lesson/assignment is for course PSY 330: Research in Psychology. The lesson/assignment will address the concept of sampling – the selection of a subset of individuals from a statistical population to estimate characteristics of the whole population. While I have taught the concept of sampling before, I am refining my approach in this case by identifying the QR reasoning goals I want to see students develop in this subject area, by designing activities that require application of QR, and by attempting to assess the nature and level of QR students develop as a result (rather than just assuming they have learned QR).

My pedagogical approach will involve introducing lecture and supplemental material to present the concepts of population vs. sample, sample size, and different types of sampling. Students will then be asked to work in small groups to determine the appropriate sampling design for an active learning exercise.

This lesson is designed to help students:

1) *Knowledge and conceptual understanding:*

Understand the 5 types of sampling methods (simple random, systematic, cluster, stratified, convenience).

(I included a listing of the 5 types of sampling, as per Esther's suggestion.)

2) *Thinking and other skills:*

Determine appropriate sampling methods and their strengths and weaknesses.

(I used a more appropriate action verb, as per respondents' recommendations.)

3) *Attitudes, values, dispositions and habits of mind:*

Increase their confidence in using quantitative reasoning to explain sampling methods.

(I used more specific language, as per Jennifer's suggestion, to capture the disposition I want students to develop.)