

Sampling! Guided notes and library sampling instructions

name: _____

Section A: Sampling statistics versus population parameters
Create a graphical representation of the concept of sampling

Conditions for reliable inference about a population: (differentiate between large and small N)

Section B: Sampling distributions

Define sampling distribution and draw a graphical representation of one

Section C: Standard error and confidence intervals

What is the relationship between standard error and confidence intervals of point estimates of population parameters?

Describe the process of creating a bootstrap distribution and log your explorations of a bootstrap distribution's descriptive statistics as your number of samples increases

Section D: Article review

Based on a reading of the SocioDemographic Correlates of ENDS use in the US:

1) What sampling mechanism was used by the authors? What role did randomization play?

2) Considering current users of ENDS who are current tobacco smokers, which demographic subcategories have smoking rates which should not be considered statistically different from one another? Use numbers to support you claim.

Section E: Library Book sample practice

Outline the exercise steps here:

Choose an existing library sample to reproduce using your own sample and describe why you chose this particular pair of sections:

Choose a new pair of call number sections and describe which variable in addition to page numbers you'll investigate. Describe your numeric scaling key below:

Assemble your data in a spreadsheet and summarize the results of your sampling in a sensible area inside your spreadsheet.