

WS: Examples for Section 5.1: Samples

① First question would pull respondents toward a tax cut. 60%

Second question would pull respondents toward funding government programs. 22%

② a) Variable of interest is the approval rating of the president.

b) The population of interest is all Americans

c) The sample was 1210 adults from the US, excluding Alaska and Hawaii.

d) A source of bias in the sampling method was undercoverage, since Alaska and Hawaii were excluded from the phone surveys.

③ a) The sample size for this poll was $13,147 + 15,182 + 1,448$
 $= 29,777.$

b) Respondents could answer the survey more than once

c) Since more men than women may respond to the survey, the resulting data could be skewed.

④ a) Wording of question gives negative tone to cell phone use and might lead respondent to agree with warning label.

b) Wording of question gives a positive spin to a national health care system by discussing positive aspects = insurance for everyone and reduction of costs.

c) Wording of question might influence respondent to favor recycling incentives by discussing negative impact people have had on the environment.

⑤ a) The population of interest is all adults in that particular country.

b) The population of interest is all households in US.

⑥ Population of Interest: 4th, 5th, and 6th grade students in GA

Sampling Frame: Obtain listing of all elementary (4th, 5th, 6th) schools in GA.

Sampling Technique: Assign a 5-digit number to each elementary school, use a random digit table (or random number generator) to select a desired number of schools (50, 100?) to sample. ^{→ or however big, needed}

Send questionnaire to selected schools.