

K: Sampling Scheme 30/30

L: Questionnaire 45/50

M: Sample Size 18/20

II.4 Team D

K. Sampling Scheme 93/100

Our sampling scheme will be SRS without replacement even though our project concerns different groups of people (based on academic major). The reason that we do not choose our sampling scheme to be stratified SRS is because we are not doing specific stratified sampling, for example sampling each academic major separately, instead we are doing a SRS of a representative sample, and in our analysis we will stratify the results to reflect academic major. We anticipate problems of underrepresentation, for example if there is a great shortage of responses from art students, hence we will most likely have to use weights to offset this issue.

k. is fine.

L. Questionnaire

there will be a handout on tues about stratified sampling, that may help you decide whether you really want to stratify or not.

Demographic

you probably need to ask more demog questions, e.g. MF, race or ethnicity, possibly income questions, etc. etc. Not only will this help with weights if you need them, it will also help in interpreting your other results.

1. What is your grade level?  
Freshman/Sophomore/Junior/Senior
2. What is your primary major if any?  
Fill in
3. In which country do you make your permanent residence?  
Fill in

not really clear what this means. be more specific: what country were you born in? or what country have you spent most of your life in? or... etc.

Economic Attitude

4. Government intervention in the business sector is justified.  
Strongly Agree/Agree/Indifferent/Disagree/Strongly Disagree/I don't know
5. A progressive tax based on wealth is justified.  
Strongly Agree/Agree/Indifferent/Disagree/Strongly Disagree/I don't know
6. There should be more government regulation in business sector.  
Strongly Agree/Agree/Indifferent/Disagree/Strongly Disagree/I don't know
7. Government barrier to free trade is justified.  
Strongly Agree/Agree/Indifferent/Disagree/Strongly Disagree/I don't know
8. The poorest members of society deserve economic support.  
Strongly Agree/Agree/Indifferent/Disagree/Strongly Disagree/I don't know
9. I believe more goods should be made in America.  
Strongly Agree/Agree/Indifferent/Disagree/Strongly Disagree/I don't know
10. Government spending on public goods is justified (e.g. roads, parks, bridges)  
Strongly Agree/Agree/Indifferent/Disagree/Strongly Disagree/I don't know
11. Education system should be run as a business, not a bureaucracy.  
Strongly Agree/Agree/Indifferent/Disagree/Strongly Disagree/I don't know

comments on questions 4-27 below on last page...

Social Attitude

12. Marriage is between a man and a woman only.  
Strongly Agree/Agree/Indifferent/Disagree/Strongly Disagree/I don't know
13. Abortions are morally wrong.  
Strongly Agree/Agree/Indifferent/Disagree/Strongly Disagree/I don't know

14. Traditional gender roles, such as domestic housewives, should be broken.  
Strongly Agree/Agree/Indifferent/Disagree/Strongly Disagree/I don't know
15. Religious values are integral part of society.  
Strongly Agree/Agree/Indifferent/Disagree/Strongly Disagree/I don't know
16. Universities should give free contraception to students.  
Strongly Agree/Agree/Indifferent/Disagree/Strongly Disagree/I don't know
17. Recreational use of marijuana is acceptable.  
Strongly Agree/Agree/Indifferent/Disagree/Strongly Disagree/I don't know
18. Animals should have more rights.  
Strongly Agree/Agree/Indifferent/Disagree/Strongly Disagree/I don't know
19. Racial profiling is sometimes justified.  
Strongly Agree/Agree/Indifferent/Disagree/Strongly Disagree/I don't know

#### Political Attitude

20. It is sometimes justified to sacrifice liberty for security.  
Strongly Agree/Agree/Indifferent/Disagree/Strongly Disagree/I don't know
21. Larger government is more effective.  
Strongly Agree/Agree/Indifferent/Disagree/Strongly Disagree/I don't know
22. Governmental regulation of firearms should be stricter.  
Strongly Agree/Agree/Indifferent/Disagree/Strongly Disagree/I don't know
23. Size of the military should be reduced.  
Strongly Agree/Agree/Indifferent/Disagree/Strongly Disagree/I don't know
24. People are adequately represented by their government.  
Strongly Agree/Agree/Indifferent/Disagree/Strongly Disagree/I don't know
25. Taxpayer money should not be sent overseas.  
Strongly Agree/Agree/Indifferent/Disagree/Strongly Disagree/I don't know
26. Self-determination trumps territorial integrity.  
Strongly Agree/Agree/Indifferent/Disagree/Strongly Disagree/I don't know
27. A person should always support his country.  
Strongly Agree/Agree/Indifferent/Disagree/Strongly Disagree/I don't know

#### M. Sample Size

Abortions are morally wrong.

Strongly Agree/Agree/Indifferent/Disagree/Strongly Disagree/I don't know

how did you arrive at this estimate? If you are unsure what p should be, why do you not start with p=1/2.

$$\hat{p} = \frac{1}{6} \quad z = 1.96 \text{ (assuming 95\% confidence)}$$

$$n = \frac{\hat{p}(1 - \hat{p})}{\left(\frac{ME}{Z}\right)^2} = \frac{.1388}{\left(\frac{.071}{1.96}\right)^2} \approx 106$$

$$n \geq \frac{Nn_0}{N + n_0} \rightarrow \frac{(6178)(106)}{6178 + 106} = 104$$

$$ME = .05$$

$$n = \frac{\hat{p}(1 - \hat{p})}{\left(\frac{ME}{Z}\right)^2} = \frac{.1388}{(.05/1.96)^2} \approx 213$$

$$n \geq \frac{Nn_0}{N + n_0} \rightarrow \frac{(6178)(213)}{6178 + 213} = 206$$

The resulting sample sizes seem feasible.

ok

#### Comments on questions 4-27:

A. In general very short questions can be very good, because they are often easy for people to answer quickly. You will get lower nonresponse on shorter questions, all other things being equal.

However, short questions, can also be more easily misunderstood/misleading/etc, or may cause respondents to think of different things than you were thinking of when you wrote the question.

B. Many of your questions may need to be reworded (and in some cases longer), in order to

- specify what situations or circumstances question is referring to. Many policy questions do not have the same answer in every possible situation. Possible examples include questions 4, 6, 7, maybe 13, maybe 19, 20, 27, etc. Without some situational context you may be getting doctrine instead of how people really behave... which do you want?
- provide information that may not be common knowledge. Possible examples include questions 5, 7, 11 (which ed systems? colleges? trade schools? public schools? private ones? etc.), 26, etc.
- avoid loaded or leading questions, or questions that present false opposites. This is a special problem with agree/disagree questions, because of people's general tendency to be "agreeable". This is a concern for most of these questions, because they are all agree/disagree. 7, 9, 25 are examples of questions with leading or loaded words or phrases (among others). 11, possibly 20, are examples of false opposites (check other questions too).

C. Doing some pretesting with several people outside your group will really help with all these. Get the pretesters to talk to you about what they were thinking about when they answered the questions, and/or ask them to define terms you have left undefined. Etc.

D. No questions about political affiliation (repub/dem, left/right, conservative/liberal) or current political issues (prez election? repub primary?) or current political issues. Seems a little surprising to miss this opportunity.... depends on what you want to report, but make it interesting either way....