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AUTHOR

Ellison, David L.

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ABSTRACT

An alternative sociology course is described that links student computer skills with available social survey data. The students, at Rensselaer Polytechnic Institute, have primarily technical and scientific interests, and the goal of the sociology courses offered is to promote awareness of the social world they will live and work in. Students are given access to a file of Statistical Package for the Social Sciences (SPSS) programs that they can easily modify to suit their own purposes. Using data from the General Social Survey stored in the computer, they can test hypotheses on current data reflecting their interests. Students write short papers on their projects. In one semester the average student used about \$59 worth of computer time. It was found that while students complained of the heavy workload, they also found working with real data very interesting, and no student had difficulty with the computer work, which was simplified for the purposes of the course. It is felt that helping students in such a technological setting realize that sociological data can be useful for making decisions and solving problems is valuable. Appended to the report are: descriptive materials about the General Social Survey and its coverage, a listing of SPSS programs, procedures for using the General Social Survey, class exercises, and a copy of the survey form. (MSE)

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INTRODUCTORY SOCIOLOGY WITH SPSS

AND THE GENERAL SOCIAL SURVEY

David L. Ellison Rensselaer Polytechnic Institute May 1981

This work is supported by the National Science Foundation, Local Course Improvement Program, Grant No. 80-01431.

INTRODUCTORY SOCIOLOGY WITH SPSS 'AND THE GENERAL SOCIAL SURVEY

ABSTRACT

The purpose of this paper is to describe an alternative sociology course that links student computer skills with available social survey data. Students are given access to a file of SPSS programs which they can easily modify to fit their own purposes. Using the General Social Survey they can test hypotheses on current data reflecting their interests. The broad range of data allows beginning students with little or no previous computer experience to investigate a wide variety of topics.

The purpose of this teaching experiment was to develop a sociology course that linked student computer skills with available social survey data. The challenge was to create a course that introduced students to existing social science data without requiring extensive programming experience from students or faculty. The Statistical Package for the Social Sciences was an excellent vehicle for accomplishing this task.

THE SETTING

Rensselaer Polytechnic Institute students are primarily scientists, engineers, architects, and managers. Almost all are from the top tenth of their graduating class and all but 5 per cent graduate with at least one computing course. * The emphasis tends to be upon using the computer for "number crunching" and "making it" in industry. As graduates, these students will work in a world where nearly every decision — to build a nuclear reactor, splice genes, or install an artificial body organ — has human and social dimensions. In this context the goal of sociology courses is to make these students aware of themselves as social beings and of the social world their technological fixes will affect (Ellison, 1978).

Among the computing facilities available to R.P.I. students, is an IBM 370 model 3033 with 8 megabytes of main storage. The computer uses the Michigan Terminal System (MTS) as an operating system. The editing facilities of MTS allow for full screen editing. Statistical software on the system includes the Statistical Package for the Social Sciences (SPSS, version 8).



In the R.P.I. class of 1984 are 74.6% from the top tenth of their high school class and 99.3% from the top half. The Scholastic Aptitute Test score average for these students is: Mathematics 694, Verbal 578.

The R.P.I. library purchases the General Social Survey from the

Roper Center. These data come from personal interviews administered to national samples of about 1500 adults using a standard questionnaire appearing every year or every other year. Current data run from 1972 to 1980. The chief purpose of the General Social Survey is to measure trends on a wide-range of attitudes, behaviors, and characteristics (see Appendix A for detailed description).

PROCEDURE FOR USING THE GENERAL SOCIAL SURVEY

Since it is not a computer programming course, the challenge was to design a system that permitted the students to use SPSS programs without having to write them or use the SPSS manual. This was accomplished by storing in the instructor's account a selection of sample SPSS programs that allow students to do all of the exercises (see Appendix B for a listing of the programs). In order to use these SPSS programs the student merely copies the program that he or she will use into a temporary file (see Appendix C for Procedure). Using the visual mode, the program can be edited to include the variables each student is interested in, by substituting new variable labels. Then the student merely runs the program to produce the results.

In the first part of the course the most recent General Social Survey is placed in a file. The format allows the data to be referred to by an appropriate label simplifying access considerably. About two-thirds of the way through the course, the earliest GSS (1972) is added to the file so that students can compare early data with current data. Also, at R.P.I. we have the capability of adding any additional years students may request.

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THE WRITTEN EXERCISES

The introductory sociology course is organized on a 15 week calendar, corresponding to about 15 separate topics. Depending upon the instructor, the readings for these topics may come from standard text books or collections of articles and chapters. Because R.P.I. emphasizes writing and speaking in its curriculum, and because we have small sections of 20-30 students, we are able to require written work. In my version of the course, an exercise is assigned to each chapter (see Appendix D) and the grade is based upon any 10 written exercises.

In the first classroom assignment I try to familiarize the students with the codebook for the General Social Survey. The codebook contains the frequency distributions to all the questions asked from 1972 through 1980. Students who do well in the course become very familiar with the contents of the codebook. For the first assignment, they fell out a questionnaire patterned after the GSS interview schedule (see Appendix E). By thinking about these questions themselves, students become aware of what data are available. They are asked (a) to give a personal answer, (b) to estimate the frequency for the American population, and (c) to compare his/her personal answer with the actual distribution in the codebook. Forcing the students to confront the actual data on such issues as pre-marital sex, abortion, euthanasia, suicide, gun control, drugs, violence, defense spending, the environment, etc., allows them to compare their opinions with the opinions of the American public. When a student's response differs greatly from the responses of others, she/he is forced to ask "why" and explain the discrepancy. R.P.I. students learn, rather quickly, that not everyone in this country thinks like a white surbanite from the northeast. They must confront one of the important lessons of introductory sociology namely that our attitudes are related to our social, economic, and cultural



backgrounds.

Once students become familiar with the GSS, they are encouraged to write descriptive papers: Are values commonly shared? Do Americans support their social institutions? What does a cultural group share in common? Usually a student will approach the data asking personal or existentially relevant questions.

A female engineering student, from a large Catholic family, compared Catholic families with few (0-2) children, some (3-5) children, and many (6-8) children. In spite of a traditional ideology describing Catholic families as "large, happy, close-knit," she discovered that the small Catholic families were happier than the general population, while the larger Catholic families were not as happy.

A freshman investigated the American myth that anyone can go from rags to riches. By comparing a respondent's occupational prestige with the prestige of the respondent's father's occupation, he was able to demonstrate that this is very unlikely and it certainly helps to be wealthy.

Later on, in the course, students are asked to make predictions (hypotheses) about the behavior of certain groups and then to test them using actual data. Again, students have to confront the fact that their own value systems determine the kinds of predictions they make.

A student from a rural Vermont farm background made some predictions comparing large city professionals and persons from small towns and farmers. To her surprise the two groups did not differ on percent married, religious attendance or political convictions. Contrary to her predictions she found the professional to be happier. The only prediction that was confirmed was that small town and farm families had more children. This encounter with the GSS encouraged this young woman to become aware of how her own background and the agrarian myth influenced her social expectations.

An oriental student, majoring in computer science, compared young people (ages 20-29) with high prestige jobs to older persons (ages 50-69) with low prestige jobs. The contrasts between these two groups reflect the conflicts she experiences in her own family, where parents have low prestige but sacrificed to provide excellent educations for their children.

These written exercises, using the GSS, permit students to investigate questions that are personally interesting and existentially relevant. They achieve some sense of their own value systems relative to the values of the larger population as well as significant groups in the society. At an introductory level, they begin to understand the difficult problems of defining, measuring, and using sociological concepts as well. As with most systems that are educationally useful, there are related costs.

COSTŠ

Any course with written exercises requires a considerable amount of instructor's time, reading and commenting on papers. Twenty students writing ten papers each produce 200 three-to-five page papers. That can be alot of work but is an advantage of small classes and a private university.

Computer costs will obviously vary by the number of students in the course.

Computer costs involved in running the course for one semester are:

disk rental (for storing GSS data in files available to students) disk (4096 BYTES) space required:

10 weeks @ 1535 pages 4 weeks @ 2658 pages

\$293.42

tape storage

GSS tape @ \$2.50/month.

\$ 12.50

tape rental (for storing files used in the course between semesters @ \$2.50/month \$ 2.50

computing time: (rate varies)
to develop files for the course

. \$151.56

to audit student accounts .

\$ 11.15

for student computing (17 student)
average/student = \$58.86

\$1000.65

TOTAL COST IN FALL 1980

\$1713.73

Each student received a separate account with \$25 of computing time and this was increased in amounts of \$15 as was needed. In the Fall, 1980 semester, the average student used about \$59 worth of computing time.

CONCLUSIONS

While the students complained that the course was alot of work, they found the idea of working with real data about actual people, very interesting. In a technological setting, like Rensselaer Polytechnic Institute, it is important for students to realize that sociological data can be useful for making decisions and solving problems. With the system of storing SPSS programs in a file to be copied and modified by the student, access to the data is simple and no student had difficulty. While there are obvious monetary and instructor costs, these must be weighed against the educational benefits.

REFERENCES

David L. Ellison. THE BIO-MEDICAL FIX. The Human Dimensions of Bio-medical Technologies. Greenwood Press, Westport, Connecticut, 1978.



National Opinion Research Center (NORC) General Social Survey*

The NOR¢ General Social Survey data come from personal interviews administered to national samples of about 1500 adults using a standard questionnaire with identical questions appearing every year or every other year. Surveys were conducted each spring from 1972 through 1978, and funding is available for two additional surveys in 1980 and 1982. Since some of the baseline items are repeated from surveys going back to the early 1950's, selected trend comparisons can be made for the entire post World War II period.

The chief purposes of the General Social Survey are to measure trends on a wide-range of attitudes, behaviors, and characteristics and to provide up-to-date, high-quality, relevant data for social scientists. Among more than 400 variables are a full range of demographics; behavioral questions on socializing, group memberships, smoking and drinking, victimization, and television-viewing; and attitude questions on personal satisfaction, financial and occupational evaluations, abortions, crime control, suicide, race relations, and civil liberties. The topics in detail are listed on the next page. The 1972-78 data are available from THE ROPER CENTER in an SPSS SYSTEM FILE compatible with our IBM computer for \$165.

These data are used regularly by social science researchers as the following sampling of articles of articles illustrates:

Jon P. Alston, "A Cross-Cultural Comparison of Church Attendance Patterns in the United States and France," <u>International Journal</u> of Comparative Sociology, 16 (Fall, 1975), pp. 268-280.

Amitai Etzioni and Clyde Nunn, "The Public Appreciation of Science in Contemporary America," <u>Daedelus</u> (Summer, 1974), pp. 191-205.



Robert M. Hauser, Peter J. Dickinson, Harry P. Travis, and John N. Koffel, "Structural Changes in Occupational Mobility among Men in the United States," American Sociological Review, 40 (October, 1975).

Jonathan Kelley, "The Politics of School Busing," Public Opinion Quarterly (Spring, 1974), pp. 23-39.

Everett Carll Ladd, Jr., and Charles D. Hadley, Transformation of the American Party System: Political Coalitions from the New Deal to the 1970's, New York: Norton, 1975.

James D. Wright and Sonia R. Wright, Social Class and Parental', Values for Children: A Partial Replication and Extension of the Kohn Thesis," Américan Sociological Review, 41 (June, 1976).

Clearly the General Social Survey funded by NSF provides the basic data for students to learn about sociological concepts, their measurement, and their correlates.

*Excerpted from NORC Descriptive Materials

The GSS is deliberately eclectic in its content. A wide range of demographics, behavioral measures, and attitude items are included. These are repeated either every survey or appear on a rotating pattern. In the following outline, the major topics covered are mentioned. In parentheses are the years in which the question was asked.

I. Ecology

- Region at age 16 (2-8)
- Size of place at age 16 (2-8)
- Mobility, geographic (2-8)
- Size of place, region (2-8)

II. Family and Life Cycle

- A. Age
 - Year of birth (2-8)
- B. Marriage and family structure
 - Family at age 16 (2-8)
 - Age at first marriage(2-8)
 - Ever divorced r
 - Marital status (2-8)
 - Household composition (2-8)
 - Marital happiness (3-8)
 - Care of elderly (3,5,6,8)
 - Divorce laws (4,5,7,8)

Sex

- Sex of R (2-8)
- Seen X-rated film (3,5,6,8)
- Attitude toward pornography (3,5,6,8)
- Homosexuality (3,4,6,7)
- Adultery (3,4,6,7)
- Pre-marital sex (2,4,5,7,8)
- Birth control (4,5,7)
- Sex education (4,5,7)
- Sex roles in working (2,4,5,7,8)
- Sex roles in politics (2,4,5,7,8)

D. Children and fertility

- Number of siblings (2-8)
- Number of children (2-8)
- Children expected (2, 4, 5, 7, 8)
- Ideal number of children (2,4,5,7,8)
- Quality of children (3,5,6,8)
- Abortions (2-8)

III. Socioeconomic Status

A. Labor force

- Mother's employment (3-8)
- Father's occupation +
 - industry, prestige rank (2-8)
- Ever employed (2-8)
- Spouse ever employed (2-8)
- Veteran status (4,5,7,8)
- R's employment status (2-8)
- R's occupation + industry and prestige rank (2-8)
- R's hours worked (3-8)
- Spouse's employment status (2-8)
- Spouse's occupation + industry and prestige rank (2-8)
- Spouse's hours worked (3-8)
- Level of supervision (2-4,6,7)
- Job security (7,8)
- Job satisfaction (2-8)
- Occupational values income, security, hours, advancement,
- importance (3, 4, 6, 7)
- Work, if rich (3,4,6,7)
- Getting ahead (3,4,6,7)

Education - Father deducation (2-8) - Mother's education (2-8) - Spouse's education (2-8) 🗞 R's education (2-8) - Vocabulary test (4,6,8) - Confidence in education (3-8) - Spending for education (3-8) Income - Relative income of parents (2-8) - Family income (2-8) R's income (4-8) - Relative income (2-8) - Unemployment, welfare (3-8) - Changes in income (2-8) - Financial satisfaction (2-8) - Spending on welfare (2-8) D. Class - Subjective social class (2-8) - Union membership (3,5,6,8) - Confidence in business, labor (3-8) TV. Primordial Groups A. Ethnicity - Nativity (7-8) - Country of origin (2-8) Religion . - Religion R raised in (3-8) - Current religion (2-8) - Church attendance (2-8) - Religious intensity (4-8) - Religion spouse raised in (3-8) - Current religion, spouse (3-8) - Life after death (3, 5, 6, 8) Confidence in religion (3-8)_ - Tolerance of Atheists (2,4,6,7) - Prayer in schools (4,5,7,8) Race ' - R's race (2-8) - Blacks in neighborhood (2-8) Black friend for dinner (3, 4, 6, 7)- Blacks shouldn't push (2,3,5,6,8)- School integration (2,4,5,7,8) - Black for President (2,4,5,7,8) - Open housing law (3,5,6,8)

(Cont.) - Intermarriage law (2,3,4,6,7) - Busing (2,4,5,7,8) - Spending for Blacks (3-8) v. Politics Domestic - Presidential vote (2-8) Party preference (2-8) - Ideology (4,5,7,8) - Confidence in leaders (3-8) National spending (3-8). - Income tax (6,7) - Tolerance of Communists (2,3,4,6,7) Tolerance of Socialists (2,3,4) - Tolerance of racists (6,7) - Tolerance of militarists (6,7) B. International - Expectations of war (3,5,6,8) - Isolationism (3,5,6,8) - United Nations (3,5,6,8) - Attitudes toward countries (4,5,7) - Communism (3,4,6,7) - Confidence in military (3-8) VI. Social Psychology Interaction - Group memberships (4,5,7,8) - Sociability (4,5,7,8) Morale ъ. - Misanthropy scale (2,3,5,6,8) - Srole anomia scale (3,4,6,7) - Happiness (2-8) Satisfaction with job, finance (2-8) - Satisfaction with city, family, friends, health, hobbies (3-8) - Exciting life (3,4,6,7) - Suicide (7,8)

VII. Other

Crime, punishment, and violence - Ever beaten (3, 5, 6, 8) - Ever threatened with gun (3,5,6,8) - Robbed (3,4,6,7) - Burglarized (3, 4, 6, 7) - Arrested (3,4,6,7) - Demonstrations (3)

A. (Cont.)

- Approve of hitting (3,5,6,8)

- Approve of police hitting (3,5,6,8)

- Fear of walking at night

(3,4,6,7)

- Gun permit (2-8)

- Severity of courts (2-8)

- Capital punishment

- Marijuana (3,5,6,8)

- Wiretapping (4,5,7,8)

B. Health

- Health level (2-7)

- Satisfaction with health (3-8)

- Euthanasia (7,8)

C. Leisure

- Hunting (7)

- Satisfaction with hobbies (3-8)

D. Miscellaneous

- TV viewing (5,7,8)

- Newspaper reading (2,5,7)

- Smoking (7,8)

- Drinking (7,8)

- R's understanding of terms (2-8)

- R's cooperation (2-8)

FREQUENCIES

*14.			
1 2 3 4 5 6 END OF, FI	GET FILE FREQUENCIES STATISTICS FINISH	GSS78(A9UB:GSS78) GENERAL=USWAR,USINTL,COMMUN,RELIG,ATTEND,POSTLIFE HAPPY TO HEALTH, DRINK TO SMOKE. PREMARSX,XMARSEX,LETDIE1,SUICIDE1 TO SUICIDE4 1,	E./
RECODE	• • •		
1 2 3 4 5 6 7 8 END OF FIL	GET FILE *RECODE FREQUENCIES STATISTICS FINISH	GSS78(A9UB:GS\$78) OCC (1 THRU 99=0) (100 THRU 199=1) (200 THRU 299= (300 THRU 399=3) (400 THRU 499=4) (500 THRU 599=5) (600 THRU 699=6) (700 THRU 799=7) (800 THRU 899=8) (900 THRU 999=9) GENERAL=OCC 1	<u>)</u>
XTABS			,
1 2 3 4 END OF FIL	GET FILE CROSSTABS STATISTICS FINISH	GSS78(A9UB:GSS78) TABLES=RACE BY RELIG, 1	
XTABOPT	ÓNS		. ;
1 2 3 4 5 6	GET FILE CROSSTABS OPTIONS STATISTICS	GSS78(A9UB:GSS78) TABLES=RELIG BY DRINK, DRUNK, SUICIDE1 TO SUICIDE4, ABDEFECT, LETDIE1 4,5 1	
ERIC Full faxt Provided by ERIC	FINISH		

SELECTGROUP1

```
GSS78(A9UB:GSS78)
           GET FILE
           SELECT IF
                            (DENOM16 EQ 1 or 2 or 4 or 5) AND (RACE EQ 1 or 2
           IF
                            (RACE EQ 1 AND DENOM16 EQ 4 or 5) CULTURE=1
           IF
                            (RACE EQ 2 AND DENOM16 EQ 1 or 2) CULTURE=2
           ASSIGN MISSING
                           CULTURE
                                     (0)
           VALUE LABELS
                           CULTURE (1) WHPROT (2) BLPROT (0) OTHERS
           CROSSTABS
                           TABLES=CULTURE BY LETDIE1.
          OPTIONS.
                           4,5
           STATISTICS
                           1
10
           FINISH
END OF FILE
```

SELECTGROUP2

1	GET FILE	GSS78(A9UB:GSS78)
2	SELECT IF	(DENOM16 EQ 1 or 2 or 4 or 5) AND (RACE EQ 1 or 2
3	IF	(RACE EQ 1 AND DENOM16 EQ 4 or 5) CULTURE=1
4	iF,	(RACE EQ 2 AND DENOM16 EQ 1 or 2) CULTURE=2
5	ASSIGN MISSING	CULTURE (O) <
6	VALUE LABELS '	CULTURE (1) WHPRCT (2) BLPROT (0) OTHERS
7	CROSSTABS	TABLES=CULTURE BE LETDIE1
8	OPTIONS	4,5
9	STATISTICS	1
10	FINISH	
ס מא	F FILE	1

17

PROCEDURE FOR USING THE GENERAL SOCIAL SURVEY

COMMANDS.

SIGNONID

COMMENTS

SIGN ON, USING YOUR IDENTIFICATION. ENTER YOUR PASSWORD (WILL NOT APPEAR ON SCREEN).

COPY A9UB: XTABS -B

IN THIS EXAMPLE, YOU WANT TO RUN A CROSS-TABULATION. YOU COPY THE XTABS MODEL, LOCATED IN MY FILE (A9UB), INTO A TEMPORARY FILE (-B).

EDIT -B V

Now you can change the file (-B), using the Visual Mode. After making your changes, press the PA2 key to record those changes and get out of the Visual Mode.

LIST -B

THIS ALLOWS YOU TO LOOK AT THE FILE (-B) TO MAKE SURE ALL CHANGES ARE CORRECT.

RUN *SPSS 5=-B 6=-C

THIS RUNS YOUR CROSS-TABULATION PROGRAM (-B), AND PLACES THE RESULTS IN ANOTHER TEMPORARY FILE (-C).

EDIT -C V

This allows you to look at your results. Press PF4 key to move forward through the file. PF1 key moves backward.

LIST -C *PRINT*

ONCE YOU HAVE DECIDED YOUR RESULTS ARE ADEQUATE, THIS COMMAND ALLOWS YOU TO RECEIVE A PRINT-OUT. THE COMPUTER WILL ASSIGN YOUR PRINT-OUT A NUMBER (SIX DIGITS) THAT IDENTIFIES YOUR MATERIAL. PICK IT UP AT THE COMPUTER CENTER.

ERIC

EXERCISES

Do the equivalent of 10 exercises, only. Plan ahead. After March 14th exercises for chapters 1-8, will not be accepted. When appropriate, attach the computer out-put for your exercise.

DUE DATE 'January 26

CHAPTER 2 - SCIENCE AND METHODS IN SOCIOLOGY.

After you have filled out the NORC-GSS questionnaire and read chapter two, look for items on which your answers differ a great deal from the actual percentages for the American population.

a) describe the differences

b) try to explain why your answer differed from a sociological perspective. What is there in your social background that leads you to have your biases?

February 2

CHAPTER 3 - SOCIAL STRUCTURE

Durkheim suggests that three factors hold a society together:

1) the "presence of a commonly held, commonly shared structure a of goals and values"

2) "The institutions of the society must be held by the people they serve to have a kind of moral authority, willingly accepted, as distinct from naked power."

3) "an unconfused sense of self held by the individuals who make

up the society" (Yankelovich, 1979).

From the General Social Survey, select one variable that might help you decide whether at least one of these factors exists in American society. (You might want to look at 108A,E,F; 117A-M; or anything you can justify). What is the frequency distribution of your variable? (include percentages) What do these data tell you about the social structure of American Society? Are values commonly shared? Do Americans support their social institutions? Do they have an unconfused sense of self? Write a brief explanation. (Appropriate SPSS commands are located under user identification, A9UB. Their names are FREQUENCIES, and RECODE).

February 9

CHAPTER 4 - CULTURE

The general category that determines a cultural group may vary. It may be possible to classify groups of people with a common culture by religion, race, nationality, age, sex, social class, status community, region of the nation, etc.

Describe a combination of characteristics that you believe defines a group of people sharing a common culture. Make a hypothesis about what that group should share in common.

b) Using the GSS, sort out this group of people and test your hypothesis by running a cross-tabulation(s) with some other variable(s).

c) What can you interpret from your results? Does group affiliation influence a person's point of view or outlook on the world?

(Appropriate SPSS commands are located under user identification, A9UB. Their names are XTABS, SELECTGROUP1, SELECTGROUP2).



DUE DATE February 10

CHAPTER 5 - SOCIALIZATION

Select a value, belief, or behavior pattern (118 desirable qualities for a child, 147 abortion, 162 sucide, 78 marijuana, 60 liberal a conservative, 122 drinking) from the GSS. Using your sociological knowledge make a hypothesis about a cultural group who's socialization experience would create high consensus (how will you define "high consensus"?). Do you need to limit your cultural group to people in the same age bracket? Explain your results.

SPSS commands include XTABS, SELECTGROUP1, SELECTGROUP2).

February 23

CHAPTER 6 - SEX ROLES

Can you discover any differences between males and females (20)? Or can you discover any differences between employed females and housewives (1)? What other variables make a difference (9 - age; 3 - marital status; 16 - degree)? Do they differ on 110 - marital happiness, 142-146 attitudes toward women, 153-154. divorce, 155 pre-marital sex, 156 - extra marital sex, 184 abortion, 186 women and careers, 187 - ERA, 188 - children, 189 - women's career, etc. Make a hypothesis about what you expect to find; run your cross-tabulations, and explain your results.

(SPSS commands include XTABS, SELECTGROUP1, SELECTGROUP2).

March 2

CHAPTER 7 - SOCIAL GROUPS

Ferdinand Tonnies described Gemeinschaft and Gesellschaft as kinds of communities. Durkheim, talking about the social bonds that characterized the relationships of people from these communities, used the terms mechanical and organic solidarity. By using question 22 (RES16=place you were living when you were 16), or question 49(XNORCSIZ), 50(SRCBELT), 51(SIZE=size of place); can you discover people with different attitudes about human relationships? Make some hypothesis, run the cross-tabulations and explain your results.

March 9

CHAPTER 8 - ORGANIZATIONS AND BUREAUCRACY Select one of the following:

A) Two theories about human workers are discussed in your book (pages 223-225).

"Theory X is based on the assumption that people hate work, seek to avoid responsibility, and must therefore, be coerced into doing anything productive. Theory Y sees people as anxious to be creative and to assume responsibility, and therefore as only too happy to work under the right circumstances." (p. 223, L&K).

Do a or b.

a) Using GSS data, can you make some statements about which Theory is most appropriate?

b) Using GSS data, can you describe which kinds of workers might fit in one or the other theory?

Questions 53A-F, 121E, 124C, 127-131, 134, 136-141 might be appropriate. You are encouraged to use your ingenuity.

B) Are there real differences between persons who work with data (53A), people (53B), and things (53C)? What do your findings suggest about the nature of work?

EXERCISES FOR CHAPTERS 1-8 WILL NOT BE ACCEPTED AFTER MARCH 14th.

CHAPTER 9 - DEVIANCE AND SOCIAL CONTROL-

Select one of the following:

- a) Using the GSS78 data, can you define a group of people who are deviant? Explain why the indicator you select is a good measure. What are the demographic characteristics of this deviant group? Do these characteristics help you understand their deviant behavior?
- b) Using the GSS78 data, can you identify victims of violence (164-165, 169, 170), people who approve violence (166-167), people who own guns (171-GSS77). What are the demographics characteristics of one of these groups? Do these characteristics help you understand their behavior?
- c) Using the GSS77 data, can you identify people who have been accused of breaking the law (171,172)? What are their demographic charateristics? What do your results suggest about "labeling theory" (pages 244-246 in L&K).

March 30

CHAPTER 10 - SOCIAL STRATIFICATION

Select one of the following:

- a) Is there any relationship between a respondent's report of social class (132) and occupational prestige (53F), general educational development (53D), degree (16), income (40)? Explain your results.
- b) What is the relationship between a respondent's occupational prestige (2A) and his/her father's occupation (6A)? Explain your results. Please note 2A and 6A requires RECODE.
- c) What is the relationship between a respondent's degree (16), respondent's father's degree (17), respondent's mother's degree (18), respondent's spouse's degree (19)? Does the sex (20) of the respondent make any difference? Explain your results.
- d) Plot the distribution of family income in 1973(36) and 1978 (39). How could you accurately compare the two distributions? What does that comparison tell you about income inequality?
- e) Who are the poor (39 Or 40)? What are their demographic characteristics? Explain your results.

April 6

CHAPTER 13 - THE FAMILY

Can you discover any special characteristics of: (select one)

- a) Respondents who around age 16 lived with mother only, father only, father and step-mother, mother and step-father, mother and father (24).
- b) Respondents who are married, divorced, or never married (3).
- c) Respondents who married early or late (3)
- d) Working women and/or men respondents (1 and 20).
 e) Respondents from a large or small household (32,8).

Make some hypothesis about the attitudes you expect your respondents to have. Give the reasoning behind your hypothesis. For example: Would you expect them to have unique attitudes about welfare (62K, 139), income differences (64), attendance at religious services (87), satisfaction with family life (116C), ideal number of children (149), divorce (153, 154), premarital sex (155), extra marital sex (156), or any other variables you feel are significant.

How do you explain your results?

CHAPTER 15 - RELIGION

How do you measure a person's religion (86, 87, 88, 89, 90)? Select one of these variables as your indicator and justify your selection.

Now answer one of the following questions:

- a) Is there any relation between religion and political behavior?
- b) Is there any relation between religion and attitudes toward abortion, euthanasia, or suicide?
- c) Is there any relation between religion and patriotism?
- d) Are religious people concerned about moral, ethical, or social issues?
- e) Are there regional or city-sized differences in religion? .

 Can you discover persons who see religion as a personal as compared to a social behavior?

 Explain your results.

April 20

CHAPTER 16 - POPULATION AND HEALTH

Select one of the following:

Can you demonstrate any change in the ideal number of children for a family to have (149 - CHLDIDEL) or the expectation of having more children (150 - CHLDMORE) from 1972 to 1978?

What are the demographic characteristics of respondents expecting to have no more children (150)? What are the implications of this for the future?

Develop a hypothesis about the characteristics of people who support and oppose abortion (147, 182, 183, 184 - GSS77, 185 - GSS77) or birth control (15 - GSS77) sex education (152 - GSS77) or euthanasia (161) or suicide (162). How would you use this information to change people's positions?

Who are the sick? (111-GSS77). What are their demographic characteristics? What are the implications of your results for national health insurance?

What are the demographic characteristics of people who suffer such social stresses such as divorce (198), unemployment (200), hospitalization and disability (202), death of relatives (204), total traumatic events (206, 207, 208). What social support systems could a community provide for these people?

April 27

CHAPTER 19 - SOCIAL CHANGE AND TECHNOLOGY

In a post-industrial society, persons who work with Data (53A), may be the new knowledge brokers, the new leaders in a knowledge-based society. What are the political attitudes of these leaders? What do they think about national issues? Would you want them to lead the society?

Ellision/NSF/7-80 Sociology 55.1200 Spring 1981

NATIONAL OPINION RESEARCH CENTER

GENERAL SOCIAL SURVEY

SELECTED INTEMS

DIRECTIONS:

1

The following questions are taken from the General Social Survey.* You are to answer them as if you were a respondent being interviewed. In the first column, ME, check the category which is your answer. In the second column, AMERICANS (%), estimate what percentage of the American population you think would fall into each of the categories. Later you will use the third column, ACTUAL (%) to check your estimates.

*The General Social Survey (GSS) is administered by the National Opinion Research Center to representative national samples of about 1500 adults. The GSS measures trends on a wide-range of attitudes, behaviors, and characteristics of the American population.

	E AMERICANS (%)	ACTUAL (%)
1. Employment (WRKSTAT)		
1. Working full time		" · · · · ·
2. Working part time		$\frac{46.7}{9.1}$
3. With a job, but not at work because of		$\frac{3.1}{2.5}$
4. Unemployed, laid off, looking for works		2.5
5. Retired		$\frac{2.5}{10.2}$
6. In school		2.3
7. Keeping house		24.6
8. Other	· · · · · · · · · · · · · · · · · · ·	2.0
2. Occupation (OCC)		
0, 1. Professional, technical		e e
2. Managers, administrators, sales workers		<u>14.7</u>
3. Clerical and kindred workers		14.3
4,5. Craftsmen and kindred workers		<u>17.0</u>
6. Operatives, except transport	 , , , , , , , , , ,	$\frac{11.9}{12.3}$
7. Transport equipment operatives		13.3 5 0
8. Farmers, farm laborers		$\frac{13.3}{5.9}$ $\frac{1.6}{1.6}$
9. Service workers	-	12.9
	· · · · · · · · · · · · · · · · · · ·	
2. Industry (INDUSTRY)	•	
0. Agriculture, forestry and fisheries	·	8.1
1, 2, 3. Manufacturing		$\frac{8.1}{24.0}$
4. Transportation, Communications and		
other Public Utilities 5. Wholesale	· · · · · · · · · · · · · · · · · · ·	$\frac{5.4}{2.5}$
6. Retail Trade		2.5
7. Finance, Insurance, Real Estate;		13.8
Business and Reapir Services	and the state of t	1.2 0
8. Entertainment and Recreation Services,	-	<u>13.8</u>
Professional and Related Services)	•	17.A.
9. Public Administration	- .	$\frac{17.4}{6.6}$
	- · · · · · · · · · · · · · · · · · · ·	
3. Marital Status (MARITAL)		
l. Married	<u>-</u>	62.7
2. Widowed 3. Divorced	- <u> </u>	0.0
4. Separated	<u> </u>	<u>8.7</u>
5. Never married		$\frac{3.1}{12.2}$
,	· · · · · · · · · · · · · · · · · · ·	~ <u>15.5</u>
9. Age (AGE)		
1. 10-19 years of age		2.1
2. 20-29 years of age		$\frac{2.1}{24.5}$
3. 30-39 years of age	-	$\frac{21.8}{21.8}$
4. 40-49 years of age	1	14.2
5. 50-59 years of age		14.9
6. 60-69 years of age		10.8
7. 70-79 years of age 8. 80 or over		8.6
o. ou or over		2.7
.16. Education (DEGREE)	•	
0. Less than high school	· .	
1. High school diploma		<u>30.7</u>
2. Associate/Junior college degree	·	$\frac{52.5}{2.7}$
3. Bachelor's degree		$\frac{2.7}{9.9}$
4. Graduate		4.0
94		
and the first of the contract		/ · · · · ·

				<u>ME</u> _	AMERICANS(%)	ACTUAL (%)
30	Total family income	(TNCOME79) 4- 107	9 hoforo	, ÇW		
. 37	. Total family income . taxes	(THOMENS) III 191	o perore			g g
1.1	· cares		: .		• * .	٠ ,
	Oal. Under \$1,000		-	1		1.2
1.	02. \$1,000-2,999	a regional	-	1		4.7
*	03. \$3,000-3,999		. *			₩ 5.4 /
1 : -	-04. \$4, 000-4, 999					3.5
	05, \$5,000-5,999	•	•			4.1
**	06. \$6,000-6,999		S	-		4.4
	07. \$7,000-7,999			•		, 4.0
	08. \$8,000-8,999			·		$\frac{6.7}{3.3}$
	09. \$10,000-12,499 10. \$12,500-14,999					9.3
	11. \$15, 000-17, 499					8.9
	12. \$17, 500-17, 499					5.8
	13. \$20,000-22,499	_	•			6.9
÷	14. \$22, 500-24, 999	5		. (5.7
	15. \$25, 000-49, 999				·	$\frac{11.8}{1}$
	16. \$50,000 and over					2.2
	Political preference O. Strong Democrat 1. Not very strong Democrat 2, 3, 4. Independent 5. Not very strong Republican 7. Other	Democrat Republican	*			$ \begin{array}{r} \frac{14.1}{25.4} \\ \overline{36.2} \\ \underline{16.1} \\ \overline{7.2} \\ \overline{0.7} \end{array} $
59A.	Voted in 1976 for			1	** *	
: :,	1. Carter					$\frac{32.8}{39.3}$
	2. Ford 3. Other	, the second	*		·	28.3
	4. Didn't vote					$\frac{1.0}{0.3}$
	4. Dian c vote					_0.5
60.	Political views	,	**		₹*	
	1. Extremely liberal			ž		1.4
	2. Liberal				, ,	9.3
	3. Slightly liberal	*		,		15. 7
	4. Moderate, middle		Α.			35.8
	5. Slightly conserva	tive "	.			17.2
	6. Conservative	g to the second of the second			 .	$\frac{12.3}{1}$
	Extremely conserv	ative				2.0

ME AMERICANS (%)	, ACTUAL (%)
62. We are faced with amny problems in this country. None of which can be solved easily or inexpensively. For each problem, I'd like you to tel me whether you think we're spending too much money on it, too little mor about the right amount.	
A. Space exploration program 1. too little 2. about right 3. too much	$\frac{11.6}{35.0}$ 47.2
B. Improving and protecting the environment 1. too little 2. about right 3. too much	$\begin{array}{r} \frac{52.3}{32.7} \\ \hline 9.5 \end{array}$
C. Improving and protecting the nation's health 1. too little 2. about right 3. too much	55.4 33.7 6.9
D. Solving the problems of the big cities 1. too little 2. about right 3. too much	$\begin{array}{r} 38.7 \\ \hline 29.5 \\ \hline 18.9 \end{array}$
E. Halting the rising crime rate 1. too little 2. about right 3. too much	$ \begin{array}{r} \underline{64.1} \\ \underline{25.1} \\ \underline{6.1} \end{array} $
F. Dealing with drug addiction 1. too little 2. about right 3. too much	$\frac{55.1}{30.9}$
G. Improving the nation's education system 1. too little 2. about right 3. too much	51.6 33.9 10.9
H. Improving the conditions of Blacks 1. too little 2. about right 3. too much	$\frac{24.2}{43.1}$
I. The Military, armaments, and defense 1. too little 2. about right 3. too much	$\frac{27.0}{43.5}$ $\frac{21.8}{21.8}$
J. Foreign aid 1. too little 2. about right 3. too much	3.9 23.9 66.5
K. Welfare 1. too little 2. about right	13.0 24.8

	→ ME AMERICANS (%) A	CTUAL(%)
66.	There are always some people whose ideas are considered bad or dangerous by other people. For instance, somebody who is against all churches and religion.	
A.	If such a person wanted to make a speech in your community against church and religion, should he be allowed to speak, or not? 1. Yes, allowed to speak 2. Not allowed 3. Don't know	62.3 37.1 6
	Should such a person be allowed to teach in a college or university? 1. Yes, allowed to teach 2. Not allowed 3. Don't know	$\begin{array}{c} 38.8 \\ \underline{59.3} \\ \underline{1.9} \end{array}$
. C.	If some people in your community suggested that a book he wrote against churches and religion should be taken out of your public library, would you favor removing this book?	
\triangle	1. Favor 2. Not favor	39.6 58.6
	3. Don't know	1.8
67.	Or consider a person who favored government ownership of all the railroads and all big industries.	
A.	Make a speech? 1. Yes, allowed to speak 2. Not allowed 3. Don't know	$\frac{75.7}{20.7}$
	Teach in a college or university? 1. Yes, allowed to teach 2. Not allowed 3. Don't know	$\begin{array}{r} \underline{57.2} \\ \underline{37.3} \\ \underline{5.5} \end{array}$
È.	Book favoring government ownership should be taken out of your public library, would you favor	25.7
	2. Not favor	$\frac{23.7}{69.3}$
68.	Or consider a person who believes has Blacks are genetically inferior.	
. A.	Make a speech? 1. Yes, allowed to apeak 2. Not allowed 3. Don't know	$\begin{array}{r} \underline{58.5} \\ \underline{39.7} \\ \underline{1.8} \end{array}$
В.	Teach in a college or university? 1. Yes, allowed to teach 2. Not allowed 3. Don't know	$\begin{array}{r} \underline{40.8} \\ \underline{56.6} \\ \underline{2.6} \end{array}$
	Book saying Blacks are inferior should be taken out of your public library would you favor?	•
in party of	1. Favor 2. Not favor 3. Don't know	36.3 61.0
C	주의 교통 전 [11] 역 대표 기업	2.7

ME AMERICANS (%) 59. How would you treat a man who admits he is a Communist?	ACTUAL (%
55. Now Would you creat a man who admits he is a communist.	
A. Make a speech?	
1, Yes, allowed to speak	55, 5·
2. Not allowed	42.5 2.0
	4.0
B. Teach in a college or university?	COMANTAL PROPERTY Fall (France)
1. Yes, allowed to teach,	57.1 38.8
2. Not allowed	
3. Don't know	4.1
C. Book should be removed from public library, would you favor?	
1. Favor	42.2
2. Not favor	42.2 55.3 2.5
3. Don't know.	2.5
70 Consider a parent who advantage dates over with elections and letting	
70. Consider a person who advocates doing away with elections and letting the military run the country.	
사람들은 1906년 현실에 2006년 현실을 전혀 하시고 있다면 생각이 있는 것이 되었다. 	
A. Make a speech?	EA E
1. Yes, allowed to speak	50.5 7.7.7
2. Not allowed 3. Don't know	1.8
B. Teach in a college or university?	
1. Yes, allowed to teach.	34.0 63.3
2. Not allowed	<u>63. 3</u>
3. Don't know	2.6
C. Book removed from public libeary, would you favor?	
1. Favor	42.7
2. Not favor	$\begin{array}{r} 42.7 \\ \hline 54.6 \\ \hline 2.7 \end{array}$
3. Don't know	2.7
1. What about a man who admits he is a homosexual?	
A. Make a speech?	
1. Yes, allowed to speak	61.8
2. Not allowed	34.6
3. Don't know.	<u>3.6</u>
ermane en grand de la transplace de la completa de La completa de la com	e of at such common part of the a end of such as a first transfer of the attention of the a
B. Teaching in a collège or university?	//0 2
1. Yes, allowed to teach 2. Not allowed	$\frac{49.3}{46.5}$
3. Don't know	46.5
and T.	
C. Book in favor of homosexuality be removed from public library,	
/ would you favor?	
1. Favor	$\frac{41.3}{55.3}$
2. Not favor	25.3
3. Don't know	

. ME . AMERIC.	ANS (%) ACTUAL (%)
73. Do you favor or oppose the death penalty for persons convicted	or murder?
1. Favor	66.3
2. Not favor	
3. Don't know	
74. Would you favor or oppose a law which would require a person to	o obtain a
police permit before he or she could buy a gun?	
	<u></u>
2 Not favor	26.5
3. Don't know	<u>-</u> - 1.9
77. Everything considered, would you say that, in general, you appr	ove or
disapprove of wiretapping?	
1. Approve	
2. Disapprove	
78. Do you think the use of marijuana should be made legal or not?	
1. Should	29.2
2. Should not	66.4
3. Don't know	
0. Do you expect the United States to fight in another war within	the next
ten years?	
1. Yes	54.0 39.9 5.9
2. No 3. Don't know	- 39.9
	<u> </u>
2. Do you think it will be best for the future of this country if	we take an
active part in world affairs, or if we stay out of world affair	
1. Active part	. 63.9
2. Stay out	. <u>63.9</u> <u>32.0</u>
3. Don't know	4.0
그런 그렇게 있었다. 나는 사람이 한 경험에 가는 생물병을 하는 그 때가 된 것 같아. 그는 경기를	
4. Thinking about all the different kinds of governments in the wo	rld today,
which of these statements comes closest to how you feel about C	ommun1sm
as a form of government?	PA
1. It's the worst kind of all 2. It's bad, but no worse than some others	$\frac{52.6}{34.4}$
3. It's all right for some countries	$-\frac{24.4}{10.7}$
4. It s and right for some countries	$\frac{19.7}{1.4}$
5. Don't know	- <u>+.4</u>
n viete la completa de la completa de La completa de la com	
6. What is your religious preference? Is it Protestant Cambolic, other religion, or no religion?	Jewish, some
1. Protestant	
2. Catholic	$\frac{05.5}{25.1}$
3. Jewish	$\frac{7}{1.9}$
4. None	$\frac{-7.8}{7.8}$
5. Other	$\overline{1.1}$
	= · · · · · · · · · · · · · · · · · · ·

	ME	AMERICANS (%) ACTUAL (%)
. 87:	How often do you attend religious services?	
	0. Never	<u>15.6</u>
	1. Less than once a eyar 2. About once a year	8.7
	3. Several times a year	$\frac{13.2}{11.4}$
- 17 - 1 - 18 - 19 - 19 - 19 - 19 - 19 - 19 - 19	4. About once a month	6.7
	5. 2-3 times a month	9.5
	6. Nearly every week	7.0
	7. Every week 8. Several times a week	<u>19.5</u>
	9. No answer	$\frac{8.0}{0.3}$
89.	Do you believe there is a life after death?	
	1. Yes	69.8
	2. No 3. Don't know	$\frac{21.2}{8.8}$
	- Jo Don L Know	8.8
	The United States Supreme Court has ruled that no state may require the reading of the Lord's Prayer or Bible vectories. What are your views on this do you approve the court ruling? 1. Approve	erses in public
	2. Disapprove	64.2
Arriva Pagastas	3. No opinion	<u>- 2.3</u>
	say that you are very happy, pretty happy, or too he leave too he leave happy 2. Pretty happy 3. Not too happy	34.0 55.5 9.5
110.	Taking things all together, how would you describe your	marriage? Would you
	say that your marriage is very happy, pretty happy, or r	not too happy?
	 Very happy Pretty happy 	40.6
	3. Not too happy	<u>20.6</u>
111.	Would you say your own health, in general, is excellent,	good, fair,
	or poor? 1. Excellent	
	2. Good	31.8
* , ,	3. Fair	$ \begin{array}{r} 31.8 \\ 40.8 \\ 20.5 \\ \hline 6.9 \end{array} $
	4. Poor	6.9
1 5	Congrelly enoughing would wan our that have a second	
•	Generally speaking, would you say that most people can b that you can't be too careful in dealing with people?	e trusted or
	1. Most people can be trusted	38.9
	2. Can't be too careful	56.5
	3. Other, depends	4.3
. V .	Do you ever have occasion to use any alcoholic beverages	such as literar
· ·	" ver - cometon to de any arconotte DEAGLERGE	eccu as induct,
22.		
.22.	wine, or beer, or are you a total abstainer?	72.3
.22.	wine, or beer, or are you a total abstainer?	$\frac{72.3}{27.5}$
.22.	wine, or beer, or are you a total abstainer?	$\phantom{00000000000000000000000000000000000$
L 22.	wine, or beer, or are you a total abstainer?	$\frac{72.3}{27.5}$



ME AMERICANS (%)	ACTUAL (%)
l 22A. If you use alcohol, do you sometimes drink more than you think you	should?
	25.3
2. No	46.4
3. Don't know	<u>27.5</u>
123. Do you smoke?	
1. Yes	39.4
-2 - No.	<u>60.5</u>
142. Do you agree or disagree with this statement? Women should take carunning their homes and leave running the country up to men?	ire of
	30.9
2. Disagree	<u>65.9</u>
3. Don't know	
143. Do you approve or disapprove of a married woman earning money in bu industry if she has a husband capable of supporting her?	siness or
1. Approve	<u>72.3</u>
2. Disapprove: 3. Don't know	$\begin{array}{r} 72.3 \\ \underline{26.2} \\ 1.4 \end{array}$
J. Donge Know	1.4
- 144. If your party nominated a woman for President, would you vote for h	or tf
she were qualified for the job?	
1. Yes	79.4
2. No.	$\frac{79.4}{18.0}$
3. Wouldn't vote	
4. Doze t know	2.6
145. Tell me if you agree or disagree with this statement: Most men are	Latera
suited emotionally for politics than are most women.	perrer
1; Agree	42.0
2. Disægree	53.9
3. Not sure	4.0

ME AMERICANS (%)

ACTUAL (%)

147. Please tell me whether or not you think it should be possible for a pregnant woman to obtain a legal abortion if: A. If there is a strong change of serious defect in the baby? - 1 Yes 80.1 2. No 17.6 3. Don't know 2.0 B. If she is married and does not want any more children? 1. Yes 39.0 2. No 57.8 3. Don't know 3.0 C. If the woman's health is seriously endangered by the pregnancy? 1. Yes 2. No 3. Don't know D. If the family has a very low income and cannot afford any more children? 1. Yes 45.4 2. No. 50.5 3 Don't know 3.9 E. If she becomes pregnant as a result of rape? 1. Yes 80.4 2. No 16.3 3. Don't know 2.9 F. If she is not married and does not want to mary the man? 1. Yes 39.6 2. No 56.6 3. Don't know 3.6 149. What do you think is the ideal number of children for a family to have? O. None 1.0 1. One 1.7 2. Two 49.1 3. Three 23.0 4. Four 12.8 5. Five 2.2 6. Six # 0.9 7. Seven/or more 0.5 8. As many as you want 155. There's been alot of discussion about the way morals and attitudes about sex are changing in this country. If a man and a woman have sex relations before marriage, do you think it is always wrong, almost always wrong wrong only sometimes, or not wrong at all? 1. Always wrong 2. Almost always wrong 11.4 .3. Wrong only sometimes 19.8 4. Not wrong at all 8. Don't know

2. Amost always wrong 3. Wrong only sometimes 4. Not wrong at all 8. Don't know When a person has a disease that cannot be cured, do you bhink docto should be allowed by alw to end the patient's life by some painless if the patient and his family request it? 1. Yes 2. No 3. Don't know Do you think a person has the right to end his or her own life if the Has an incurable disease? 1. Yes 2. No 3. Don't know Has gone bankrupt? 1. Yes	57.7 38.3 -3.9
4. Not wrong at all 8. Don't know When a person has a disease that cannot be cured, do you bhink docto should be allowed by alw to end the patient's life by some painless if the patient and his family request it? 1. Yes 2. No 3. Don't know Do you think a person has the right to end his or her own life if the Has an incurable disease? 1. Yes 2. No 3. Don't know Has gone bankrupt?	3.2 .9 rs means 57.7 38.3 -3.9
When a person has a disease that cannot be cured, do you think docto should be allowed by alw to end the patient's life by some painless if the patient and his family request it? 1. Yes 2. No 3. Don't know Do you think a person has the right to end his or her own life if the Has an incurable disease? 1. Yes 2. No 3. Don't know Has gone bankrupt?	9 means 57.7 38.3 3.9
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1f the patient and his family request it? 1. Yes 2: No 3. Don't know Do you think a person has the right to end his or her own life if the Has an incurable disease? 1. Yes 2. No 3. Don't know Has gone bankrupt?	57.7 38.3 3.9
1. Yes 2: No 3. Don't know Do you think a person has the right to end his or her own life if the Has an incurable disease? 1. Yes 2. No 3. Don't know Has gone bankrupt?	38.3 3.9
2. No 3. Don't know Do you think a person has the right to end his or her own life if the Has an incurable disease? 1. Yes 2. No 3. Don't know Has gone bankrupt?	38.3 3.9
Do you think a person has the right to end his or her own life if the Has an incurable disease? 1. Yes 2. No 3. Don't know Has gone bankrupt?	3.9
Has an incurable disease? 1. Yes 2. No 3. Don't know Has gone bankrupt?	
Has an incurable disease? 1. Yes 2. No 3. Don't know Has gone bankrupt?	e person:
1. Yes 2. No 3. Don't know Has gone bankrupt?	
1. Yes 2. No 3. Don't know Has gone bankrupt?	
2. No 3. Don't know Has gone bankrupt?	38.4
Has gone bankrupt?	58.4
	$\frac{30.7}{3.2}$
	- -
1. Veg	
	_ <u>5.5</u>
2. No 3. Don't know	93.8
$\int_{-\infty}^{\infty} dx dx$	<u>0.7</u>
Has dishonored his or her family?	
1. Yes	
2. No	6.3
3. Don't know	$\frac{93.2}{0.3}$
	\ <u>_U.3</u>
Is tired of living and ready to die?	
1. Yes	
2. No.	
2. No 3. Don't know	11.8

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