MICHIGAN STATE UNIVERSITY

STATE OF THE STATE SURVEY

[MSU SOSS-59]

Spring 2011 Round

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NOTE TO THE READER

The State of the State Survey [SOSS] is administered by the Institute for Public Policy and Social Research of Michigan State University.

For the benefit of sponsors, consumers and users of SOSS data, we have prepared this guide to the purpose, design, methods, and content of the survey.
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1. PURPOSE OF SURVEY

Dr. Jack H. Knott, former Director of the Institute for Public Policy and Social Research [IPPSR], made the Michigan State University State of the State survey [MSU SOSS] a reality by promoting the idea throughout the University and convincing the key sponsors to contribute funds to get the survey off the ground. With funding assured for the first year, planning began in June 1994. After completing 19 rounds of SOSS, there was a brief period of inactivity between the Fall of 1999 and the Winter of 2001 when, for budgetary reasons, no rounds of SOSS were conducted. However, with the appointment of Dr. Carol Weissert as the Director of IPPSR in the Fall of 2000, there was a resurgence of both interest and funding for the resumption of SOSS as a longitudinal survey of the state's adult population on policy- relevant issues.

SOSS is a quarterly survey of the citizens of Michigan. It employs Computer Assisted Telephone Interviewing (CATI) technology to interview a stratified random sample of Michigan citizens. Conducted by the Office for Survey Research, a division of the Institute for Public Policy and Social Research, SOSS was inaugurated in October 1994.

Although dozens of surveys are conducted in Michigan every year, none is designed to provide a regular systematic monitoring of the public mood in major regions of the state. SOSS is designed to fill this information gap. SOSS has five principal objectives.

1. <u>To Provide Information about Citizen Opinion on Critical Issues</u>. In keeping with MSU's role as the premier land grant university in the United States, MSU seeks to inform the public about the state of the state. Although statistics from censuses, public records, programs, and services provide important information about the state of the state, there is no substitute for gathering information directly from the citizens. By conducting a State of the State survey at regular intervals, IPPSR hopes to monitor the public's mood about important aspects of Michigan's public life. This information should be useful not only to citizens at large but also to policy-makers in the public sector and to other groups and organizations that take an active interest in the state of the state of Michigan.

By disseminating this information through the mass media and in special studies, IPPSR hopes to provide baselines for assessing change in the people's sources of satisfaction and dissatisfaction with the quality of life, the performance of public institutions, the impact and efficacy of public policy, and the opinions about various aspects of life in Michigan, such as confidence in the economy and the climate for business, protection of the environment, freedom from crime, family life, and the vitality of ethnic groups and communities.

2.   <u>To Provide Data for Scientific and Policy Research by MSU faculty</u>.
MSU's faculty will use the data from the State of the State Survey to address a
wide variety of issues in public policy. What are the factors associated with the
declining levels of confidence in governmental institutions? To what extent does
social and economic status affect tolerance and mutual trust between ethnic and
racial groups? Are subjective perceptions of environmental quality related to
"objective" measures of environmental quality in Michigan's counties? These are
only a few examples of the types of questions that the principal researchers will
address using the SOSS results. To serve the interests of a wider scientific
community, the SOSS data is deposited in an international data archive.

3.   <u>To Provide Useful Information for Programs and Offices at MSU</u>.
IPPSR has conducted a wide variety of studies for the use of MSU administrators
and faculty. SOSS will also develop data for such internal use as well as provide
data for use by the MSU Extension, the Vice Provost for University Outreach, and
other offices. Generally, the Winter rounds of the survey will assess the public
image of higher educational institutions, which will be useful to many offices at
MSU.

4.   <u>To Develop Survey Methods</u>. The computer-assisted telephone
interviewing (CATI) technology lends itself to experiments in question wording,
question order, and formatting of response categories. By varying the wording and
sequences of questions and responses, the investigators can study the sensitivity of
answers to the format of questions. Although survey research demands creative
skills and remains to some extent an "art," the scientific study of survey methods is
a well established discipline. Contributing to the scientific literature on survey
methods is an important goal of the OSR; hence, a variety of experiments are built
into some of the survey instruments.

5.   <u>To Provide Opportunities for Student Training and Research</u>. Data
from SOSS will be made directly available to professors and students for use in
instruction and research in classes at MSU. The availability of up-to-date
information on public opinion and individual perceptions and experiences of the
Michigan population will increase the sense of immediacy and relevancy of
educational projects.

2. CALENDAR

People's experiences and the public mood change not only from year to year
but also with the seasons. It is important to establish baselines for understanding
what is a "normal" seasonal fluctuation and what is a more permanent change. For

this reason, SOSS is conducted at regular quarterly intervals. Roughly one-fourth of the questions are repeated in each quarterly round.

3. STRUCTURE OF THE QUESTIONNAIRE

The questionnaires for each round of the survey are designed by a different set of principal investigators, who are usually faculty and students at MSU, but other staff or clients also. Each survey instrument consists of three main parts: a demographic core, a non-demographic core, and the main substantive theme or themes.

The demographic core contains questions on the social background and status of the respondents (age, sex, education, employment status, type of community, marital status, number of children, size of household, income, ethnic identity, etc.). This block of questions is repeated in each round, though more detailed questions on some of the dimensions (e.g., the number and ages of children) might be included in certain rounds.

The non-demographic core contains additional questions that are repeated in every round of the survey in order to gauge broad shifts in the economic, social, and political orientations and status of the population. These include questions about consumer confidence, self-identification on a liberal-conservative scale, partisan identification, assessments of presidential performance and gubernatorial performance, and other issues.

Together the demographic and non-demographic core of the questionnaire take an average of about 5 minutes of interviewing time to complete.

The remainder of the interview is timed to last an average of 15 minutes, so that on average the interviews take about 20 minutes of the respondent's time.

The Winter round in each year includes questions on the most important problem facing communities and that respondents want the governor and legislature to address. It includes an assessment of respondents' trust in federal, state and local governments to make right decisions.

Beyond the core set of interview items, SOSS-59 included sets of questions on six topics. One section focused on respondents' familiarity and opinions regarding the effectiveness of the "Pure Michigan" marketing campaign to promote tourism in Michigan. It included questions about the respondents' sharing of

opinions, self-rated leadership in groups, and relationships to their neighborhoods and communities.

A second section of questions gathered respondents' opinions regard a number of environmental issues and policy, such as regarding global climate change, the Asian carp threat to the Great Lakes, and oil drilling under the Great Lakes. It included questions about the involvement of university scientists in the development of environmental programs, the trustworthiness of various information sources, personal involvement in outdoor activities, and views on the use of various energy saving technologies, including 'green roofs.'

A third section of questions focused on several transportation related issues, including views on the importance of developing transportation systems further and the utility of a proposed new bridge to Canada.

A fourth set of questions addressed the prevalence of counterfeit products and respondents' views on enforcement of related laws.

A fifth set of questions asked about the purchase of medications via the internet.

And a sixth set of questions focused on the respondents views on immigration and immigrants.

A word of caution is in order on the use of the data. Because of the inclusion of question-order and question-wording experiments, the codebook for the survey, containing the raw or weighted frequency distribution of responses, may be difficult to interpret and must be used carefully. Often, alternative variants of questions will be combined into composite measures in the final data that are distributed, but the original questions also remain in the codebook and data set. Although OSR will do its best to document such situations, it is the responsibility of the data users and analysts, not of the OSR, to assure that the appropriate variants of questions are used in analyses and reports. A copy of the CATI interview program with the skip patterns indicated by "[goto ...]" commands and "[if ...]" commands accompanies the codebook to help clarify the paths particular respondents would take through the interview.

4. MANAGEMENT AND ORGANIZATION

IPPSR. In the summer of 2007, IPPSR Director Dr. Douglas Roberts named Dr. Charles Ballard (Department of Economics) as the overall Director of the SOSS program, replacing Dr. Brian Silver (Department of Political Science) who had served as the SOSS Director since its beginning in 1994. Overall responsibility for the execution and management of the SOSS rests with the Office for Survey Research (OSR) of the Institute for Public Policy and Social Research. The Principal OSR staff for SOSS consists of Dr. Larry Hembroff, Survey Director and Methodologist, Karen Clark, Programmer and Project Manager, and the Director of Survey Operations Linda Stork.

OSR staff is responsible for the technical work of programming the CATI survey instrument, training and supervising interviewers, selection and administration of the sample, coding of data, and preparation of the final data set and documentation. In addition, OSR staff works with and advises the principal investigators and other researchers in the design of the sample and the survey instrument. However, final approval of the survey and sample design rests with the principal investigators, not OSR staff.

For each round of the survey, a small working group of principal investigators is responsible for the design of the instrument for that round, subject to final approval by the SOSS Director and OSR staff. The working groups consist primarily of "principal investigators" for the given round who will conduct the major initial analyses of the data, provide a public briefing, and have priority in analyzing the data for publication for the six-month period following the end of the field period for that round (more on data access below).

The Working Group for the Spring 2011 survey included:

Dennis Propst Professor, Department of Forestry, Michigan State University

Eunseong Jeong, Doctoral Student, Community Agriculture Recreation and Resource Studies, Department of Community, Agriculture, Recreation and Resource Studies, Michigan State University

AnnMarie Schneider, Director, Canadian Studies Program, Michigan State University

John Spink, Assistant Professor, Department of Criminal Justice, Michigan State University

Martha Huckabee, Michigan Immigrant Rights Center, Kalamazoo

Joanne Westphal, Professor, School of Planning, Design, and Construction, Michigan State University

Dave Long, Professor, Department of Geoscience, Michigan State University

Tom Voice, Professor, Department of Civil and Environmental Engineering, Michigan State University.

5. FUNDING

The following organizations and units on campus have provided funding for SOSS during the 1995-2011 series of surveys:

Organizations
    Area Agencies on Aging Association of Michigan
    Aspen Institute
    Center for Healthcare Research & Transformation, University of Michigan
    Community Foundation for Southeastern Michigan
    C. S. Mott Group for Sustainable Food Systems
    Dept. of Political Science, Florida State University
    Dept. of Political Science, Tufts University
    Nonprofit Michigan Project
    University of Michigan
    United Way of Michigan
    State of Michigan
    Department of Military Veteran Affairs
    Gerald R. Ford School of Public Policy, University of Michigan
    Muhlenberg College
    The Center for Michigan
    Michigan NonProfit Association
    Michigan Department of Information Technology, Bureau of Strategic Policy

Michigan State University

    Applied Policy Grants Initiative

Center for Economic Analysis
Center for Health Care Studies
Center for Health Promotion and Disease Prevention
College of Communication Arts & Sciences
College of Human Ecology
College of Human Medicine
College of Osteopathic Medicine
College of Social Science
Department of Economics
Department of Political Science
Department of Psychology
Department of Radiology
Department of Sociology
Education Policy Institute
Institute for Public Policy and Social Research
Julian Samora Research Institute
Land Policy Institute
Legislative Leadership Program
Managed Care Institute
Michigan Agricultural Experiment Station
MSU Extension
MSU Institute for Children Youth and Families
Office of the Provost
Office of the Vice President for Research and Graduate Studies
Office of the Vice Provost for University Outreach
School of Criminal Justice
School of Labor and Industrial Relations
School of Social Work

6. DISSEMINATION OF RESULTS

To assure timely dissemination of the results and timely and fair access to the data, early in its deliberations the Advisory Committee approved certain principles.

Each round of the survey has an identified set of Principal Investigators (PI's) who have priority in access to the data for that round but also certain obligations. The PI's have exclusive right to prepare scientific papers for publication from the data for that survey for a period of six months after the end of the field date.

All data for the survey, however, are made available to offices within MSU for internal use as soon as the data are available and documentation is prepared.

All data for the survey are made available to instructors in courses at MSU to use the data for instructional purposes as soon as the data are available and documentation prepared.

Six months after completion of the field date, the survey data are made available on an unrestricted basis to all MSU faculty and students.

Originally, it was planned that one year after completion of the field date, the data and documentation will be deposited at the Inter-University Consortium for Political and Social Research (ICPSR) in Ann Arbor. However, beginning in the Spring of 2002, each individual SOSS data set, interview instrument, and methodological report have been posted in "universally" readable formats to the SOSS section of IPPSR's webpage for downloading by any interested party. Such a deposition of the data is intended to facilitate dissemination and use of the data by the wider scientific and policy community as well put a certain seal of approval on the data quality to enhance the possibilities for researchers to publish from the data.

7. SAMPLE DESIGN

The referent population is the non-institutionalized, English-speaking adult population of Michigan age 18 and over. Since the survey was conducted by telephone, only persons who lived in households that had landline telephones had a chance of being interviewed.

Stratification. To assure representation of major regions within Michigan, the sample was stratified into six regions, each consisting of a set of contiguous counties, plus the City of Detroit. The grouping of counties corresponds to that used by MSU Extension prior to July 2005 with Detroit separated out from the Southeast region.

The six regions are defined as follows (counties listed within regions):

1. Upper Peninsula (Alger, Baraga, Chippewa, Delta, Dickinson, Gogebic, Houghton, Iron, Keweenaw, Luce, Ontonagon, Mackinac, Marquette, Menominee, Schoolcraft)

2. Northern Lower Peninsula (Alcona, Alpena, Antrim, Benzie, Charlevoix, Cheboygan, Crawford, Emmet, Grand Traverse, Iosco, Kalkaska,

Leelanau, Missaukee, Montmorency, Ogemaw, Oscoda, Otsego, Presque Isle, Roscommon, Wexford)

3. <u>West Central</u> (Allegan, Barry, Ionia, Kent, Lake, Manistee, Mason, Mecosta, Montcalm, Muskegon, Newaygo, Oceana, Osceola, Ottawa)

4. <u>East Central</u> (Arenac, Bay, Clare, Clinton, Gladwin, Gratiot, Huron, Isabella, Midland, Saginaw, Sanilac, Shiawassee, Tuscola)

5. <u>Southwest</u> (Berrien, Branch, Calhoun, Cass, Eaton, Hillsdale, Ingham, Jackson, Kalamazoo, St. Joseph, Van Buren)

6. <u>Southeast</u> (Genesee, Lapeer, Lenawee, Livingston, Macomb, Monroe, Oakland, St. Clair, Washtenaw, Wayne [excluding Detroit])

7. <u>Detroit City</u>

To allow reclassification of the place of residence (county) into alternative regional groupings, each respondent's county of residence is also coded on the data set.

Sampling. Until SOSS-35, all previous respondents were derived only from random-digit dial samples. Beginning with SOSS-35, a change was made in the sampling strategy for the State of the State Surveys. The overall intent of the change was to reduce costs, increase response rates, and shorten the field period needed to complete each survey. The revised strategy is similar to that used on the University of Michigan's Survey of Consumer Attitudes. A portion of the sample of interviews is derived from a new random-digit dial sample of phone numbers in the state. The details of this are described below. The other portion of the sample of completed interviews (roughly 40%) is derived from re-interviews of individuals who had been interviewed in the previous round of SOSS and who had agreed to be re-contacted. Roughly 80-90% of all respondents in each round of SOSS agree to be re-contacted. Re-interviewing individuals who constituted a representative random sample of the state's adults should still constitute a representative random sample several months later if adjustments for any non-response are made. Until SOSS 52, the portion of the sample of completed interviews derived from re-interviews with the prior SOSS' participants was limited to about one third of the total number of interviews. This would ensure that there should be sufficient numbers of respondents who would be willing to be re-contacted and reachable for the next round of SOSS to produce about one third of its total interviews.

In addition to the three benefits listed above as reasons for making the change in sampling strategy, having a portion of each round of SOSS derived from re-interviews with individuals from a previous round enables a part of the SOSS

sample to constitute a panel so that change can be measured at the individual level from quarter to quarter – a distinct benefit.

However, prior to starting SOSS 52, the SOSS team had decided it would be preferable for those who would be re-interviewed to be given a longer lag time until they are re-contacted. Instead of contacting them to complete another interview on the very next round of SOSS, the plan was to skip a round and contact them on the second round of SOSS after their initial participation. Therefore, the re-interviewed portion of the SOSS 59 sample included individuals who were initially respondents in SOSS 57.

Respondents' households newly enlisted to participate for SOSS-59 were selected using list-assisted random-digit dial sampling procedures. Those being re-interviewed had been sampled and selected in this same manner when they were first recruited to participate in the previous round of SOSS. Ordinarily, the initial sample of randomly generated telephone numbers is purchased from Survey Sampling, Inc (SSI). SSI begins the process of generating phone numbers with the list of all working area code and phone number exchange combinations. In the case of this study, the universe was constrained to include only those telephone numbers that are active in the state of Michigan. From within this list of possible phone numbers, SSI eliminates those banks of numbers represented by the 4-digit suffix that are known to be unused or are known to be used only by institutions. To improve the efficiency of the calling, we have begun to have SSI stratify this sampling frame into two strata initially, one comprised of all phone numbers that are listed in phone directories, and the other comprised of all phone numbers that are not listed in directories but which are members of banks in which at least one phone number is listed. We then request that SSI over-sample phone numbers from the listed stratum. Telephone numbers are selected at random in proportion to the number of households in each county from all those remaining telephone numbers until the quantity needed within a particular geographic grouping of counties is obtained.

As a final step, SSI screens the phone numbers generated. The resulting sample is then checked against SSI's database of business phone numbers and checked for known disconnected numbers. Ordinarily, these numbers are removed from the sample and not called.

To determine the total number of telephone numbers to have SSI generate in order to achieve the desired sample sizes within regions of the state, OSR divided the number of completed interviews desired by the product of (a) the proportion of numbers expected to be working household numbers (the Hit Rate), (b) the proportion of household numbers that would contain an eligible respondent (the Eligibility Rate), and (c) the proportion of households with eligible respondents

who would complete the interview in the time period available (the Completion Rate). For SOSS-59, 5,796 phone numbers were used, 537 in the re-contact segment and 5,259 in the new RDD segment. The working phone number rate was 87.4% in the re-contact segment and 66.0% in the new RDD segment.

The sampling design for the State of the State Survey is a stratified sample based on regions of the state with the regions sampled somewhat disproportionate to the actual sizes of the populations within each region. The purpose of the stratification is to assure a sufficient minimum number of respondents from each of the strata to permit detailed analysis.

The typical sampling design for SOSS calls for approximately 150 interviews from the East Central Region, the Southwest Region, and the combined Upper Peninsula and Northern Lower Peninsula Regions. Approximately 200 interviews are to be completed in the West Central Region and the Southeast Region. And approximately 150 interviews are to be completed from the City of Detroit. The total sample size typically is to be approximately 1,000.

Sample Weights. Because of the split sample approach, we have weighted each segment regarding selection probabilities and then combined them into a single file. The combined data file is then weighted to be representative of the geographic regions and the state as a whole. The details for weighting each segment are provided below.

Because of the stratification (i.e., geographic strata, listed vs. not-listed phone number strata) and the unequal sampling rates across the strata, it is necessary to use "weights" to bring the characteristics of the sample into line with those of each region, or with those of the state as a whole (depending on the purpose of the analysis). Accordingly, the data files contain weights for the original six MSU Extension regions, for the new Extension regions, as well as for the state as a whole.

As indicated above, the initial frame was stratified into listed numbers and not-listed numbers in 1+ banks and then listed numbers were over-sampled. Other information from SSI indicates that 65% of households with phones have listed numbers. An initial weight, listwt, was constructed to adjust representation of listed and unlisted numbers in the data file so that listed numbers comprised only 65% of all data records.

To construct the remaining weights, characteristics of the population of the regions were drawn from 2000 census data. To make generalizations about individuals' views and behaviors, it is necessary to ensure that each respondent in a survey sample has an equal probability of selection or is represented in the data set

as having had equal probabilities of being selected. However, since households with multiple phone lines have more chances of being selected into the sample than those with only one phone line, this source of unequal chances has to be adjusted for in analyzing the data. Consequently, the SOSS interview included a question asking respondents how many separate phone numbers the household has. In the event of item non-response, the number of phone lines was assumed to be one. Each case was then weighted by the reciprocal of the number of phone numbers and then adjusted so that the total number of cases matched the actual number of completed interviews. In the data set this weight is named PHWT.

Similarly, an adult in a two-adult household would have half the chance of being selected to be interviewed as would the only adult in a single adult household. This, too, requires adjustment to correct for unequal probabilities of selection. The interview included a question as to the number of persons 18 years of age or older living in the household. In the event of item non-response, the household was assumed to have only one adult. Each case was then weighted by the inverse of its probability of selection within the household, or by the number of adults in the household. This was then also adjusted so that the total number of weighted cases matched the actual number of completed interviews. In the data set, this weight is named ADLTWT.

At this point, the adjustment was intended primarily to facilitate accurate weighting to adjust for non-response based on age, gender, and race within SOSS regions. It is common for some groups of individuals to be more difficult to reach or more likely to refuse in RDD (random-digit dialing) surveys. For making generalizations about the population from which the sample was drawn, the accuracy of the results can be distorted by these non-response patterns. Consequently, it is common to weight cases in the sample to adjust for non-response. This is accomplished by weighting each case so that cases of each type appear in the sample proportionately to their representation in the general population.

For the State of the State Survey, cases are weighted so that the proportions of white males, African American males, other racial group males, white females, African American females, and other racial group females in the sample for each region matched the proportions each of these groups represent in the adult population of each of the original MSU Extension regions and the City of Detroit based on the 2000 Census. In the data set, this weighting factor is named RACGENCT. Furthermore, within each of the original MSU Extension regions and the city of Detroit, the cases were additionally weighted so that the proportion of cases falling into each of the following age groups matched the proportions in the 1990 Census for each region: 18 - 24 years old, 25 - 29, 30 - 39, 40 - 49, 50 - 59, 60 - 64, and 65 or older. In the data set, this weighting factor is named AGEWT (since

rounding and missing data sometimes result in the weighted number of cases differing slightly from the actual number, AGEWT is adjusted slightly with ADJWT to ensure that the number of cases for each region in the weighted data set is the same as the actual number of interviews completed). Detroit continues to be a separate stratum to this point, but a new variable MSUEREGN was constructed to fold Detroit proportionately into the Southeast region within that variable. A new weighting variable (MSUEWT) was constructed to represent Detroit proportionately correctly within the southeast MSUEREGN.

Since the sample was drawn disproportionately across the original six MSUE regions of the state (with Detroit in the Southeast region), statewide estimates of the citizenry's opinions require post-stratification weights to adjust for the over-sampling of some regions and the under-sampling of others. Thus each case was weighted so that the proportion of cases from each region in the total sample matched the proportion of adults from the corresponding region in the state's population based on 2000 Census data. The weighting factor for this post-stratification weighting in the data set is named STATEWT.

Once the sample was weighted by STATEWT, it was compared against the Census-based distribution of education among Michigan residents 18 and older. A second iteration of the weighting adjustments described above for race x sex within region, age within region, and for disproportionately sampling across regions was then conducted (i.e., raking). The final weight variable is still named STATEWT but incorporates the adjustments described above.

It is important to note that these weight factors were constructed sequentially and build on the earlier steps. Thus, AGEWT weights cases adjusting for the number of phone lines, the number of adults in the household, the number of respondents from each county, the gender x race category proportions within the region, and the age category proportions within regions. STATEWT weights cases by all of those adjustments implied by AGEWT <u>and</u> adjusts the proportions of cases across regions. For developing statewide results, the user should use the data weighted by STATEWT. For comparing the results among regions -- if Detroit is to be separate -- the user should use the data weighted by ADJWT. To compare directly the original MSUE regions, the data should be weighted by MSUEWT.

Table A in the Appendix presents characteristics of the population in each region and in the state of Michigan as a whole.

<u>Sampling Error</u>. The sampling error can be estimated for each region and for the state as a whole at the 95% confidence level as follows:

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$$ConfidenceInterval=\pm1.96\sqrt{(PxQ/(n-1))}$$

      where n is the number of cases within the region or the total sample and P is the proportion of cases giving a particular response and Q is 1-P. While this may vary from question to question depending on the pattern of answers, the largest margin of error would occur when P is .5 and Q is .5. Therefore, the margins of error for each region and the total statewide sample excluding the supplemental Hispanic/Latino segment of the sample can be estimated as:

REGION	Number of Cases	Margin of Sampling Error
Upper Peninsula	57	$\pm$ 13.1%
Northern Lower Peninsula	98	$\pm$ 10.0%
West Central	187	$\pm$ 7.2%
East Central	150	$\pm$ 8.0%
Southwest	155	$\pm$ 7.9%
Southeast	181	$\pm$ 7.3%
Detroit	119	$\pm$ 9.0%
Statewide Total	947	$\pm$ 3.2%

8. FIELD PROCEDURES

CATI System. Interviews were conducted using the Computer Assisted Telephone Interviewing system (CATI) of IPPSR's Office for Survey Research (OSR). OSR uses the CASES (version 5.4) software for its CATI system. CASES was developed by the University of California–Berkeley, the U.S. Census Bureau, and the U.S. Department of Agriculture. In a CATI system, the completed interview is scripted and then programmed so that, when executed from a computer workstation, each question or instruction is presented on the computer screen in order to the interviewer. The program then indicates what numeric codes or text the interviewer is allowed to enter as responses to each of the questions. When entered, the responses are stored directly into the data set for the study.

The CASES software enables the interview to be fully programmable. The software integrates both closed-ended questions and open-ended questions. The software allows interviewers to record notes along with responses to closed questions. By default, the software moves directly from one item to the next in the sequence unless specific program commands are inserted to direct the execution path elsewhere. Different skip commands can be associated with separate responses to the same questions. For example, the interview can be directed to a separate battery of follow-up questions if the respondent answers "<1> YES" to a question on smoking cigarettes, and to an entirely different series of questions if the respondent answers "<5> NO." Commands can also be inserted between questions to direct the interview to a particular battery of questions based on the combination of responses to two or more previously answered questions. The programming features minimize the opportunities for many errors since inappropriate questions will not be asked and, as a result, appreciably less editing is necessary after the interview.

Interviewers and Interviewer Training. New interviewers received approximately 15 hours of training, including a shift of practice interviewing. Each interviewer trainee received a training manual with instructions on techniques and procedures, copies of all relevant forms, and descriptions of operations. The OSR telephone interviewing training package was developed using "General Interviewing Techniques: A Self-Instructional Workbook for Telephone and Personal Interviewer Training", authored by P. J. Guenzel, T. R. Berckmans, and C. F. Cannell (1983) of the Survey Research Center, Institute for Social Research, University of Michigan.

Experienced interviewers received approximately two hours of study specific training to acquaint them with the study protocols, the interview instrument, and the objectives of the various questions. New interviewers were also given this

information as a part of their training. Approximately 80 different interviewers were involved in data collection on the 59th State of the State Survey.

Field Period and Respondent Selection in Household. Interviewing began on May 13, 2011 and continued through July 7, 2011. Randomly selected telephone numbers for which a directory listing was available were sent an advance letter roughly one week prior to when an initial call attempt to contact the household would be made.

In the portion of the sample that involved re-interviewing respondents from the previous SOSS, interviewers asked to speak with that person when they contacted the household. When interviewers successfully contacted a household in the new RDD portion of the sample, the study procedures required them to randomly select an adult from among those residing in the household to be the respondent. The Trohldal-Carter technique was used as the mechanism for choosing a respondent within each household.

Telephone numbers were called across times of the day and days of the week. If after a minimum of nine call attempts, no contact had been made with someone at the number, the call schedule for that case was reviewed by a supervisor to see that it had been tried across a variety of time periods. If it had not, the supervisor would re-release the number for additional calling in time periods that had not been tried. If, after additional calls were made, still no contact was made, the number was retired as a non-working number. If the review of the case indicated that it had been tried at various times and days, the supervisor might finalize the case as non-working or might release it for up to six additional tries. In the case contact was established, the number would continue to be tried until a total of 12 attempts were made or the interview was completed, the interview was refused, or the case was determined to be ineligible or incapable.

The average interview lasted approximately 28.3 minutes (standard deviation= 7.2) with a median of 28.0 minutes. In the case of an initial refusal, numbers were called back after eight days (although this was shortened as the end of the field period neared). Efforts were made to persuade initially reluctant respondents to complete the interview.

Completion Rate. A total of 947 interviews was completed, 276 with participants re-contacted from the SOSS-57 surveys and 646 with new RDD participants; however, 10 interviews were excluded from the data set for technical

reasons. The overall completion rate among eligible households for the study was 31.9% (26.3% in the new RDD segment and 64.8% in the re-contact segment).[1]

Of those completing the interview, the mean number of calls required was 4.5 (4.3 among the re-contact cases and 4.6 among the new RDD cases). Interviewers made a total of 40,562 calls to complete the 947 interviews.

The refusal rate was 23.7%.

9. DOCUMENTATION AVAILABLE

The following documentation is available for this survey:

a. Methodological Report
b. Questionnaire (included in Methodological Report)
c. SPSS (windows) commands to read the ASCII data set
d. SPSS commands for weighting cases in the sample
e. Codebook (with weighted item frequencies)

---

[1] This is based on computation and classification coding developed by the advisory team for SOSS. Since then, the American Association of Public Opinion Research has published Standard Definitions as a guide to developing more nearly standard formulas for computing response rates, cooperation rates, refusal rates, and contact rates. Using AAPOR's formula RR4, the response rate for SOSS-59 was 28.2%, the refusal rate (REF2) was 21.80%, the cooperation rate was 56.5%, and the contact rate was 81.9%.

10. DATA FORMAT AND ARCHIVING

Data are available in an SPSS-Windows systems file, with weight variables included.

11. APPENDIX

Demographic Data in MSU State of the State Survey: MSU Extension Regions

	Upper Peninsula	Northern LP	West Central	East Central	Southwest	Southeast	Detroit	TOTAL
Population	313,915	401,249	1,271,526	812,735	1,308,701	4,159,197	1,027,974	9,295,297
% Change in Population 1980-1990	-1.83%	-14.79%	10.01%	-2.76%	1.04%	1.69%	-14.57%	-0.28%
Households	118,690	153,689	452,238	295,653	482,652	1,542,352	374,057	3,419,331
% Households with Children	33.67%	27.01%	39.38%	38.26%	36.43%	36.18%	39.13%	36.64%
% Population under 18 years of age	24.97%	26.33%	28.28%	27.33%	26.08%	25.23%	29.41%	26.45%
% of Population over 65 Years of Age	16.32%	15.88%	11.58%	12.45%	11.49%	11.29%	12.15%	11.92%
% Female	49.37%	50.90%	50.78%	51.44%	51.39%	51.35%	53.62%	51.45%
% White	94.65%	98.00%	91.60%	92.40%	88.40%	90.60%	21.63%	83.41%
Per Capita Income	$12,978	$14,039	$16,888	$15,653	$16,839	$21,606	$12,503	$18,144
% Employed Civilian Labor Force*	90.58%	91.02%	93.46%	90.50%	92.89%	93.50%	80.29%	
% Employed Manufacturing	15.00%	17.00%	28.38%	24.90%	23.62%	25.67%	20.52%	
% Employed Farming	2.27%	3.19%	2.69%	3.38%	2.44%	1.03%	0.49%	
% Population with a High School Degree**	63.43%	62.03%	57.56%	61.69%	52.46%	51.18%	65.55%	
% Population with Bachelors Degree**	13.48%	13.70%	15.87%	13.04%	19.09%	20.50%	9.61%	
Population Below 185% Poverty	111,940	137,887	317,916	242,395	352,261	725,487	499,033	2,386,919
% Population Below 185% Poverty	37.59%	34.96%	25.79%	30.53%	28.08%	17.74%	49.24%	25.68%

* The population used to determine this indicator is all adults above the age of 15

** The population used to determine this indicator is all adults above the age of 25

Source: Census of Population and Housing, 1980 and 1990. Table by staff of Michigan Databases

12. QUESTIONNAIRE (SPRING, 2011)

>CONSENT< [loc 0/700][optionbuttons on hide textbox hide codes]

 Before we begin, let me tell you that this interview is completely voluntary. You may choose
 not to participate and you may end your participation at any time without penalty.
 Should we come to any question that makes you feel too uncomfortable or you do not want to
 answer, just let me know and we can go on to the next question.

 Information collected for this study will be kept confidential to the extent allowed by
local,
 state and federal law, and no reference will be made in any oral or written report that
would
 link you individually to this study.

 While there is no direct benefit to you personally for participating in this research,
results
 from this research may produce benefits to the people of the State of Michigan. There are
also
 no known risks to you personally for participating in this research.

 For quality control purposes, this interview may be monitored by my supervisor. The
 supervisor has the ability to listen to the interview at anytime.

 [red]IWER: IF THE RESPONDENT WANTS CONTACT INFORMATION FOR THE PROJECT MANAGER, THE
PRINCIPAL
 INVESTIGATOR, OR THE IRB, THAT INFORMATION IS AVAILABLE IN THE Q BY Q WHICH CAN BE ACCESSED
BY
 USING 'F4'[n]

          <1> [commandbutton <CONSENT READ>]

            @

>pure< [allow 4] [copy pure in pure]
>purestart< [allow 4][copy purestart in purestart]
>purestop< [allow 4][copy purestop in purestop]

>hula< [allow 4] [copy hula in hula]
>hulastart< [allow 4][copy hulastart in hulastart]
>hulastop< [allow 4][copy hulastop in hulastop]

>ams< [allow 4][copy ams in ams]
>amsstart< [allow 4][copy amsstart in amsstart]
>amsstop< [allow 4][copy amsstop in amsstop]

>spink<   [allow 4][copy spink in spink]
>spinkstart< [allow 4][copy spinkstart in spinkstart]
>spinkstop<   [allow 4][copy spinkstop in spinkstop]

>huck<   [allow 4][copy huck in huck]
>huckstart< [allow 4][copy huckstart in huckstart]
>huckstop<   [allow 4][copy huckstop in huckstop]

>green<   [allow 4][copy green in green]
>greenstart< [allow 4][copy greenstart in greenstart]
>greenstop<   [allow 4][copy greenstop in greenstop]

>ID1< [allow 5][loc 18/1][#store csid in ID1][copy ID1 in ID1]
>R1< [allow 1][#preset <1>] [copy R1 in R1]
>cnty< [allow 5][#inputloc 1/23]   [copy cnty in cnty]
>regn< [allow 1][#inputloc 1/29]   [copy regn in regn]
                        1 upper pen

```
                                    2 northern
                                    3 west central
                                    4 east central
                                    5 southwest
                                    6 southeast
                                    7 Detroit

>newreg5< [allow 1]

>random1< [allow 1][#inputloc 1/122] 1,2,3,4,5
>random2< [allow 1][#inputloc 1/124] 1,2,3,4


>listed<  [allow 1][#inputloc 1/120] 1=listed 2=unlisted [copy listed in listed]


>CC1<

    I'd like to start by asking you a few questions about how things are going for Michigan
residents in general.

    Would you say that you (and your family living there) are [bold]better off[n] or
[bold]worse off[n] financially then you were a year ago?

            <1> BETTER OFF
            <2> ABOUT THE SAME (R PROVIDED)
            <3> WORSE OFF

            <8> DO NOT KNOW
            <9> REFUSED

            @

>CC2<

    Now looking ahead, do you think that [bold]a year from now[n], you (and your family living
there) will be [bold]better off[n] financially or [bold]worse off[n] financially?

            <1> BETTER OFF
            <2> ABOUT THE SAME (R PROVIDED)
            <3> WORSE OFF

            <8> DO NOT KNOW
            <9> REFUSED
            @

>CC3<

    How would you rate your household's [bold]overall financial[n] situation these days?

    Would you say it is excellent, good, just fair, not so good, or poor?

            <1> EXCELLENT
            <2> GOOD
            <3> JUST FAIR
            <4> NOT SO GOOD
            <5> POOR

            <8> DO NOT KNOW
            <9> REFUSED
            @

>CC4<

    During the [bold]next twelve months[n], do you think the rate of inflation in this country
will go up, will go down, or will stay about the same as it was in the [bold] past 12
months[n]?

            <1> GO UP
```

```
          <2> GO DOWN
          <3> STAY ABOUT THE SAME

          <8> DO NOT KNOW
          <9> REFUSED

          @

>CC5<

   [bold]Twelve months from now[n], do you expect the unemployment situation in this country
to be [bold]better than[n], worse than, or [bold]about the same[n] as it was in the last 12
months?

          <1> BETTER THAN
          <2> WORSE THAN
          <3> ABOUT THE SAME

          <8> DO NOT KNOW
          <9> REFUSED

          @


>CC6<

    Now turning to business conditions in your community, do you think that during the
[bold]next twelve months[n] your community will have [bold]good times[n] financially, or
[bold]bad times[n] financially?

          <1> GOOD TIMES
          <2> BAD TIMES
          <3> NEITHER GOOD NOR BAD; MEDIOCRE STAY THE SAME(R PROVIDED)

          <8> DO NOT KNOW
          <9> REFUSED

        @


>fix1< [goto PO1]

>pure1< [#settime purestart]

 I would like to ask you some questions about the [bold]Pure Michigan Advertising
campaign[n].

 Pure Michigan is a nation-wide campaign that was launched in 2006 as a way of  promoting
 tourism in Michigan. The campaign features billboards and other printed media as well as
radio
 and television ads. Travel Michigan, a branch of the Michigan Economic Development
 Corporation, manages the Pure Michigan campaign.

 How familiar are you with the Pure Michigan advertising campaign?

 Would you say you are very familiar, somewhat familiar, not very familiar or not familiar at
 all?

        <4> VERY FAMILIAR
        <3> SOMEWHAT FAMILIAR
        <2> NOT VERY FAMILIAR
        <1> NOT FAMILIAR AT ALL[goto pure5a]

        <8> DO NOT KNOW[goto pure5a]
        <9> REFUSED[goto pure5a]

        @

>pure2a<
```

To what extent do you agree or disagree with each of the following statements about the Pure Michigan campaign?

The Pure Michigan campaign has positively affected tourism in Michigan.

Would you say you strongly disagree, somewhat disagree, somewhat agree, or strongly agree?

[green][bold]IWER: PLEASE NOTE THAT THE SCALE IS NEGATIVE TO POSITIVE I.E. STRONGLY [u]DISAGREE[n]
                    [green][bold]to [u]STRONGLY AGREE[n]

        <1> STRONGLY DISAGREE
        <2> SOMEWHAT DISAGREE
        <3> NEITHER: R VOLUNTEERS RESPONSE
        <4> SOMEWHAT AGREE
        <5> STRONGLY AGREE

        <8> DO NOT KNOW
        <9> REFUSED

        @

>pure2b<

    The Pure Michigan campaign has positively affected tourism in my [bold]local[n] community.

    (Would you say you strongly disagree, somewhat disagree, somewhat agree, or strongly agree?)

        <1> STRONGLY DISAGREE
        <2> SOMEWHAT DISAGREE
        <3> NEITHER: R VOLUNTEERS RESPONSE
        <4> SOMEWHAT AGREE
        <5> STRONGLY AGREE

        <8> DO NOT KNOW
        <9> REFUSED

        @

>pure2c<

   I feel like I have a pretty good understanding of the important issues surrounding the Pure Michigan campaign

   (Would you say you strongly disagree, somewhat disagree, somewhat agree, or strongly agree?)

        <1> STRONGLY DISAGREE
        <2> SOMEWHAT DISAGREE
        <3> NEITHER: R VOLUNTEERS RESPONSE
        <4> SOMEWHAT AGREE
        <5> STRONGLY AGREE

        <8> DO NOT KNOW
        <9> REFUSED

        @

>pure2d<

   I enjoy political participation because I want to have as much say as possible in influencing a state government agency like Travel Michigan.

   (Would you say you strongly disagree, somewhat disagree, somewhat agree, or strongly agree?)

        <1> STRONGLY DISAGREE

```
        <2> SOMEWHAT DISAGREE
        <3> NEITHER: R VOLUNTEERS RESPONSE
        <4> SOMEWHAT AGREE
        <5> STRONGLY AGREE

        <8> DO NOT KNOW
        <9> REFUSED

        @
```

>pure2e<

  People like me are generally qualified to participate in decisions affecting state programs
like the Pure Michigan campaign.

  (Would you say you strongly disagree, somewhat disagree, somewhat agree, or strongly
agree?)

```
        <1> STRONGLY DISAGREE
        <2> SOMEWHAT DISAGREE
        <3> NEITHER: R VOLUNTEERS RESPONSE
        <4> SOMEWHAT AGREE
        <5> STRONGLY AGREE

        <8> DO NOT KNOW
        <9> REFUSED

        @
```

>pure2f<

   There are plenty of ways for people like me to have a say in how Pure Michigan
   funds are spent.

   (Would you say you strongly disagree, somewhat disagree, somewhat agree, or strongly
agree?)

```
        <1> STRONGLY DISAGREE
        <2> SOMEWHAT DISAGREE
        <3> NEITHER: R VOLUNTEERS RESPONSE
        <4> SOMEWHAT AGREE
        <5> STRONGLY AGREE

        <8> DO NOT KNOW
        <9> REFUSED

        @
```

>pure2g<

  It is important to me that I actively participate in influencing state government.

  (Would you say you strongly disagree, somewhat disagree, somewhat agree, or strongly
agree?)

```
        <1> STRONGLY DISAGREE
        <2> SOMEWHAT DISAGREE
        <3> NEITHER: R VOLUNTEERS RESPONSE
        <4> SOMEWHAT AGREE
        <5> STRONGLY AGREE

        <8> DO NOT KNOW
        <9> REFUSED

        @
```

>pure2h<

   It is important to vote in state elections that might affect the outcome of the Pure

Michigan campaign.

   (Would you say you strongly disagree, somewhat disagree, somewhat agree, or strongly
agree?)

        <1> STRONGLY DISAGREE
        <2> SOMEWHAT DISAGREE
        <3> NEITHER: R VOLUNTEERS RESPONSE
        <4> SOMEWHAT AGREE
        <5> STRONGLY AGREE

        <8> DO NOT KNOW
        <9> REFUSED

        @

>pure3a<

  In the past five years, please tell me if you [bold]personally[n] participated in any of
the
  following activities related to the Pure Michigan campaign or tourism planning in general.

  Attended a public hearing or meeting that addressed statewide or local tourism issues?

        <1> YES
        <5> NO

        <8> DO NOT KNOW
        <9> REFUSED

        @

>pure3b<

  (In the past five years, have you [bold]personally[n] . . .)

   Communicated with Travel Michigan or state government about some matter related to the
Pure Michigan campaign?

        <1> YES
        <5> NO

        <8> DO NOT KNOW
        <9> REFUSED

        @

>pure3c<

  (In the past five years, have you [bold]personally[n] . . .)

   Served on a committee or advisory board that addresses tourism issues such as the Visitor
and Convention Bureau, or a similar body?

        <1> YES
        <5> NO

        <8> DO NOT KNOW
        <9> REFUSED

        @

>pure3d<

(In the past five years, have you [bold]personally[n] . . .)

    Wrote a letter to an editor of a newspaper about the Pure Michigan campaign?

         <1> YES
         <5> NO

         <8> DO NOT KNOW
         <9> REFUSED

         @

>pure3e<

   (In the past five years, have you [bold]personally[n] . . .)

    posted a comment on Facebook, Twitter or a blog about the Pure Michigan campaign?

         <1> YES
         <5> NO

         <8> DO NOT KNOW
         <9> REFUSED

         @

>pure3f<

   Have you done any other activities related to the Pure Michigan Campaign that I have not
already mentioned?

         <1> NO, NO OTHER ACTIVITIES
          0 YES, SPECIFY: ACTIVITIES[#specify]
         <2> DISCUSSION WITH FRIENDS/FAMILY
         <3> DISCUSSION WITH PUBLIC OFFICIAL (i.e. state rep/senator/councilperson)
         <4> TAXES/PAY TAXES
         <5> RECEIVED EMAIL/NEWSLETTER
         <6> PURCHASED PRODUCTS
         <7> TRAVELED IN/THROUGHOUT MICHIGAN
         <8> PROMOTED TRAVEL IN MICHIGAN TO OTHERS

        <90> MISCELLANEOUS: OTHER

        <98> DO NOT KNOW
        <99> REFUSED

         @

>pure4<

   Overall, how [bold]effective or ineffective[n] do you think the Pure Michigan campaign has
been in bringing more [bold]out-of-state tourists[n] to Michigan?

   Would you say you very effective, somewhat effective, somewhat ineffective or very
ineffective?

         <5> VERY EFFECTIVE
         <4> SOMEWHAT EFFECTIVE
         <3> NEITHER: R VOLUNTEERS RESPONSE
         <2> SOMEWHAT INEFFECTIVE
         <1> VERY INEFFECTIVE

         <8> DO NOT KNOW
         <9> REFUSED

         @

>pure5a<

  [if pure1 eq <1> or pure1 ge <8>]
  Because you are not familiar with the Pure Michigan Campaign, I won't be asking you
  questions about the campaign itself, but have a few other sets of questions that I would
  like to ask of you.

  I would like to read you some statements related to working with others to achieve a goal.
For each, please tell me to what extent you agree or disagree with each.
  [else]

  Next, I would like to read you some statements related to working with others to achieve a
goal. For each, please tell me to what extent you agree or disagree with each.
  [endif]

  I am often a leader in groups.

  (Would you say you strongly disagree, somewhat disagree, somewhat agree, or strongly
agree?)

        <1> STRONGLY DISAGREE
        <2> SOMEWHAT DISAGREE
        <3> NEITHER: R VOLUNTEERS RESPONSE
        <4> SOMEWHAT AGREE
        <5> STRONGLY AGREE

        <8> DO NOT KNOW
        <9> REFUSED

        @

>pure5b<

 I would prefer to be a leader rather than follower.

 (Would you say you strongly disagree, somewhat disagree, somewhat agree, or strongly agree?)

        <1> STRONGLY DISAGREE
        <2> SOMEWHAT DISAGREE
        <3> NEITHER: R VOLUNTEERS RESPONSE
        <4> SOMEWHAT AGREE
        <5> STRONGLY AGREE

        <8> DO NOT KNOW
        <9> REFUSED

        @

>pure5c<

  I would rather have a leadership role when I am involved in a group project.

  (Would you say you strongly disagree, somewhat disagree, somewhat agree, or strongly
agree?)

        <1> STRONGLY DISAGREE
        <2> SOMEWHAT DISAGREE
        <3> NEITHER: R VOLUNTEERS RESPONSE
        <4> SOMEWHAT AGREE
        <5> STRONGLY AGREE

        <8> DO NOT KNOW
        <9> REFUSED

        @

>pure5d<

   I can usually organize people to get things done.

   (Would you say you strongly disagree, somewhat disagree, somewhat agree, or strongly
agree?)

        <1> STRONGLY DISAGREE
        <2> SOMEWHAT DISAGREE
        <3> NEITHER: R VOLUNTEERS RESPONSE
        <4> SOMEWHAT AGREE
        <5> STRONGLY AGREE

        <8> DO NOT KNOW
        <9> REFUSED

        @
>pure5e<

 Other people usually follow my ideas.

 (Would you say you strongly disagree, somewhat disagree, somewhat agree, or strongly agree?)

        <1> STRONGLY DISAGREE
        <2> SOMEWHAT DISAGREE
        <3> NEITHER: R VOLUNTEERS RESPONSE
        <4> SOMEWHAT AGREE
        <5> STRONGLY AGREE

        <8> DO NOT KNOW
        <9> REFUSED

        @

>pure6a<

   Now, thinking about your neighborhood or your community, please tell me to what extent you
agree or disagree with each statement.

   My neighborhood or community helps me fulfill my needs.

   (Would you say you strongly disagree, somewhat disagree, somewhat agree, or strongly
agree?)

        <1> STRONGLY DISAGREE
        <2> SOMEWHAT DISAGREE
        <3> NEITHER: R VOLUNTEERS RESPONSE
        <4> SOMEWHAT AGREE
        <5> STRONGLY AGREE

        <8> DO NOT KNOW
        <9> REFUSED

        @

>pure6b<

   I feel like a member of my neighborhood or community.

   (Would you say you strongly disagree, somewhat disagree, somewhat agree, or strongly
agree?)

        <1> STRONGLY DISAGREE
        <2> SOMEWHAT DISAGREE
        <3> NEITHER: R VOLUNTEERS RESPONSE
        <4> SOMEWHAT AGREE

<5> STRONGLY AGREE

            <8> DO NOT KNOW
            <9> REFUSED

            @

>pure6c<

  I have a say about what goes on in my neighborhood or community.

  (Would you say you strongly disagree, somewhat disagree, somewhat agree, or strongly
agree?)

            <1> STRONGLY DISAGREE
            <2> SOMEWHAT DISAGREE
            <3> NEITHER: R VOLUNTEERS RESPONSE
            <4> SOMEWHAT AGREE
            <5> STRONGLY AGREE

            <8> DO NOT KNOW
            <9> REFUSED

            @

>pure6d<

  I have a good bond with others in my neighborhood or community.

 (Would you say you strongly disagree, somewhat disagree, somewhat agree, or strongly agree?)

            <1> STRONGLY DISAGREE
            <2> SOMEWHAT DISAGREE
            <3> NEITHER: R VOLUNTEERS RESPONSE
            <4> SOMEWHAT AGREE
            <5> STRONGLY AGREE

            <8> DO NOT KNOW
            <9> REFUSED

            @

>pub1< [#settime purestop][#settime hulastart]

  Next, I would like to ask you about some public policy issues.

  There has been much debate in recent years about global climate change and its causes and
effects.

  Do you think there is strong scientific evidence that the earth's climate is changing, some
scientific evidence, or little or no scientific evidence that the earth's climate is
changing?

            <1> STRONG SCIENTIFIC EVIDENCE
            <2> SOME SCIENTIFIC EVIDENCE
            <3> LITTLE OR NO SCIENTIFIC EVIDENCE[goto pub2]

             <8> DO NOT KNOW[goto pub2]
             <9> REFUSED[goto pub2]

            @

>pub1a<

   Is global climate change a direct result of human activity, a result of both human activity
and naturally occurring changes in the environment, or a direct result of naturally occurring
changes in the environment?

        <1> DIRECT RESULT OF HUMAN ACTIVITY
        <2> BOTH HUMAN ACTIVITY AND NATURALLY OCCURRING CHANGES
        <3> DIRECT RESULT OF NATURALLY OCCURRING CHANGES

        <8> DO NOT KNOW
        <9> REFUSED

        @

>pub2<

   There has also been debate about the possible effects Asian Carp may have on the Great
Lakes eco-system.

   Do Asian Carp represent a serious threat, somewhat of a threat, or little or no threat to
the Great Lakes and its eco-system?

        <1> A SERIOUS THREAT
        <2> SOMEWHAT OF A THREAT
        <3> LITTLE OR NO THREAT[goto pub3]

        <8> DO NOT KNOW[goto pub3]
        <9> REFUSED[goto pub3]

        @

>pub2a<

   Should preventing Asian Carp from reaching the Great Lakes be a high priority, a moderate
priority, or a low priority for state and federal authorities?

        <1> HIGH PRIORITY
        <2> MODERATE PRIORITY
        <3> LOW PRIORITY

        <8> DO NOT KNOW
        <9> REFUSED

        @

>pub3<

 Geologists are confident that there are significant oil reserves under Lake Michigan.

 Which of the following best describes your position on drilling for oil under the Great
Lakes?

 Drilling for oil poses little or no risks to the Great Lakes, there some risks associated
with drilling for oil, but probably worth the risks, or drilling under the Great Lakes poses
significant risks.

        <1> LITTLE OR NO RISKS[goto pub4]
        <2> SOME RISKS - BUT WORTH THE RISKS
        <3> SIGNIFICANT RISKS

        <8> DO NOT KNOW[goto pub4]
        <9> REFUSED[goto pub4]

        @

>pub3a<

 It has been proposed to use directional drilling, where the oilrig is located on-shore and
the well is drilled at an angle to reach the oil, instead of using off-shore oilrigs which
drill a vertical well.

 Do you think on-shore directional drilling is much safer, somewhat safer, or not at all
safer than off-shore vertical drilling?

        <1> MUCH SAFER
        <2> SOMEWHAT SAFER
        <3> NOT AT ALL SAFER

        <8> DO NOT KNOW
        <9> REFUSED

        @

>pub4<

  Which of the following is your [bold]main[n] source of information on environmental issues
and policies affecting Michigan?
  Is it radio, television, newspapers, magazines, or the Internet?

        <1> [goto pub4a]RADIO
        <2> [goto pub4b]TELEVISION
        <3> [goto pub4c]NEWSPAPERS
        <4> [goto pub4d]MAGAZINES
        <5> [goto pub4e]THE INTERNET

        <8> DO NOT KNOW[goto pub5]
        <9> REFUSED[goto pub5]

        @

>pub4a<

  Do you get [bold]most[n] of your information from public radio, talk radio, religious based
radio, or from some other format?

        <1> PUBLIC-MAINSTREAM RADIO
        <2> TALK RADIO
        <3> RELIGIOUS RADIO STATION
         0 OTHER: SPECIFY[#specify]

        <7> OTHER RADIO STATION: COMBINATION, ALL, ETC

        <8> DO NOT KNOW
        <9> REFUSED

        @
>skpkc1< [goto pub5]

>pub4b<

  Do you get [bold]most[n] of your information from network television (ABC, NBC, CBS), from
FOX Cable News, CNN Cable News, from public television (such as PBS), or from some other
cable network or television station?

  [bold]IWER: If R states 'cable news" please ask "Which cable news station"?[n]

        <1> TRADITIONAL TELEVISION STATIONS -ABC, NBC, CBS

        <2> CABLE -[bold]CNN, MSNBC[n]

        <3> CABLE -[bold]FOX[n]

```
        4 CABLE: OTHER: SPECIFY[#specify]

        <5> PUBLIC TELEVISION STATIONS PBS

        <7> OTHER CABLE STATIONS: [bold]NOT FOX, CNN, MSNBC[n]

        <6> OTHER TELEVISION STATIONS: COMBINATION, ALL ETC

         0  OTHER: SPECIFY[#specify]

        <8> DO NOT KNOW
        <9> REFUSED

        @
>skpkc2< [goto pub5]


>pub4c<

   What newspaper do you read on a regular basis?

   [bold]IWER: FIELD CODE RESPONSE IF POSSIBLE, IF NOT, USE OTHER SPECIFY[n]

        <1> NATIONAL NEWSPAPER - USA TODAY, WALL STREET JOURNAL, NEW YORK TIMES
        <2> MICHIGAN-WIDE BASED NEWSPAPER - DETROIT NEWS OR DETROIT FREE PRESS

        <3> LOCAL NEWSPAPER (i.e. LANSING STATE JOURNAL, GRAND RAPIDS PRESS,
                             MUSKEGON CHRONICLE, etc)

        <4> COMMUNITY NEWSPAPER
         0 OTHER: SPECIFY[#specify]

        <7> OTHER NEWSPAPER: COMBINATION, ALL, ETC
        <8> DO NOT KNOW
        <9> REFUSED

        @
>skpkc3< [goto pub5]

>pub4d<

   What news magazine do you read [bold]most[n]?

   [bold]IWER: FIELD CODE RESPONSE IF POSSIBLE, IF NOT, USE OTHER SPECIFY[n]

        <1> TIME
        <2> NEWSWEEK

        <3> US NEWS AND WORLD REPORT

         0  OTHER: SPECIFY[#specify]

        <7> OTHER MAGAZINE: COMBINATION, ALL, ETC
        <8> DO NOT KNOW
        <9> REFUSED

        @

>skpkc4< [goto pub5]

>pub4e<

    What news website or webpage do you visit [bold]most[n] often?

        <1> CNN.COM
        <2> MSN.COM
        <3> FOX.COM
        <4> YAHOO.COM
        <5> GOOGLE.COM
```

```
        0  OTHER: SPECIFY[#specify]
       <6> FACEBOOK.COM
       <7> OTHER WEBSITE: COMBINATION, ALL, ETC
       <8> DO NOT KNOW
       <9> REFUSED

       @
```

>pub5<

   I would like to read you a list of statements about environmental issues and have you tell
me to what extent you agree or disagree with each.

   We could do a better job protecting the environment if scientists had a greater role in the
design and implementation of environmental programs.

   Would you say you strongly agree, somewhat agree, somewhat disagree or strongly disagree
with the statement?

   [green][bold]IWER: PLEASE NOTE THAT THE SCALE IS NOW POSITIVE TO NEGATIVE I.E. STRONGLY
[u]AGREE[n]   [green][bold]to [u]STRONGLY DISAGREE[n]

```
       <1> STRONGLY AGREE
       <2> SOMEWHAT AGREE
       <3> NEITHER AGREE OR DISAGREE
       <4> SOMEWHAT DISAGREE
       <5> STRONGLY DISAGREE

       <8> DO NOT KNOW
       <9> REFUSED

       @
```

>pub6<

   It is the responsibility of university researchers to help solve social and environmental
problems.

   (Would you say you strongly agree, somewhat agree, somewhat disagree or strongly disagree
with the statement?)

```
       <1> STRONGLY AGREE
       <2> SOMEWHAT AGREE
       <3> NEITHER AGREE OR DISAGREE
       <4> SOMEWHAT DISAGREE
       <5> STRONGLY DISAGREE

       <8> DO NOT KNOW
       <9> REFUSED

       @
```

>pub7<

   Information from scientists who work at universities is more trustworthy than information
produced by private firms.

   (Would you say you strongly agree, somewhat agree, somewhat disagree or strongly disagree
with the statement?)

```
       <1> STRONGLY AGREE
       <2> SOMEWHAT AGREE
       <3> NEITHER AGREE OR DISAGREE
       <4> SOMEWHAT DISAGREE
       <5> STRONGLY DISAGREE

       <8> DO NOT KNOW
       <9> REFUSED
```

@

>pub8<

  Human behavior has only a small impact on the environment.

  (Would you say you strongly agree, somewhat agree, somewhat disagree or strongly disagree
with the statement?)

        <1> STRONGLY AGREE
        <2> SOMEWHAT AGREE
        <3> NEITHER AGREE OR DISAGREE
        <4> SOMEWHAT DISAGREE
        <5> STRONGLY DISAGREE

        <8> DO NOT KNOW
        <9> REFUSED

        @

>pub10<

  Natural resources exist to be used.

  (Would you say you strongly agree, somewhat agree, somewhat disagree or strongly disagree
with the statement?)

        <1> STRONGLY AGREE
        <2> SOMEWHAT AGREE
        <3> NEITHER AGREE OR DISAGREE
        <4> SOMEWHAT DISAGREE
        <5> STRONGLY DISAGREE

        <8> DO NOT KNOW
        <9> REFUSED

        @

>pub11<

  Protecting the natural environment should be a high government priority.

  (Would you say you strongly agree, somewhat agree, somewhat disagree or strongly disagree
with the statement?)

        <1> STRONGLY AGREE
        <2> SOMEWHAT AGREE
        <3> NEITHER AGREE OR DISAGREE
        <4> SOMEWHAT DISAGREE
        <5> STRONGLY DISAGREE

        <8> DO NOT KNOW
        <9> REFUSED

        @

>pub12<

  Efforts to protect the environment must be balanced with economic impact.

(Would you say you strongly agree, somewhat agree, somewhat disagree or strongly disagree with the statement?)

        <1> STRONGLY AGREE
        <2> SOMEWHAT AGREE
        <3> NEITHER AGREE OR DISAGREE
        <4> SOMEWHAT DISAGREE
        <5> STRONGLY DISAGREE

        <8> DO NOT KNOW
        <9> REFUSED

        @

>pub13<

  Which of the following do you think is the best source to fund accurate and unbiased scientific research?

  The federal government, business and industry, or private individuals?

        <1> FEDERAL GOVERNMENT
        <2> BUSINESS AND INDUSTRY
        <3> PRIVATE INDIVIDUALS

        <8> DO NOT KNOW
        <9> REFUSED

        @

>pub17a<

  For each of the following, please tell me how trustworthy you think each is as a source for fair and accurate information on environmental issues.

  Journalists.

  Would you say they are a very, somewhat, not very or not at all trustworthy source for fair and accurate information on environmental issues?

        <1> VERY TRUSTWORTHY
        <2> SOMEWHAT TRUSTWORTHY
        <3> NOT VERY TRUSTWORTHY
        <4> NOT TRUSTWORTHY AT ALL

        <8> DO NOT KNOW
        <9> REFUSED

        @

>pub17b<

  Government scientists and regulators.

  (Would you say they are a very, somewhat, not very or not at all trustworthy source for fair and accurate information on environmental issues?)

        <1> VERY TRUSTWORTHY
        <2> SOMEWHAT TRUSTWORTHY
        <3> NOT VERY TRUSTWORTHY
        <4> NOT TRUSTWORTHY AT ALL

        <8> DO NOT KNOW
        <9> REFUSED

        @

>pub17c<

   University scientists.

    (Would you say they are a very, somewhat, not very or not at all trustworthy source for
fair and accurate information on environmental issues?)

        <1> VERY TRUSTWORTHY
        <2> SOMEWHAT TRUSTWORTHY
        <3> NOT VERY TRUSTWORTHY
        <4> NOT TRUSTWORTHY AT ALL

        <8> DO NOT KNOW
        <9> REFUSED

        @
>pub17d<

  Corporate scientists?

  (Would you say they are a very, somewhat, not very or not at all trustworthy source for
fair and accurate information on environmental issues?)

        <1> VERY TRUSTWORTHY
        <2> SOMEWHAT TRUSTWORTHY
        <3> NOT VERY TRUSTWORTHY
        <4> NOT TRUSTWORTHY AT ALL

        <8> DO NOT KNOW
        <9> REFUSED

        @

>pub17e<

   Politicians?

  (Would you say they are a very, somewhat, not very or not at all trustworthy source for
fair and accurate information on environmental issues?)

        <1> VERY TRUSTWORTHY
        <2> SOMEWHAT TRUSTWORTHY
        <3> NOT VERY TRUSTWORTHY
        <4> NOT TRUSTWORTHY AT ALL

        <8> DO NOT KNOW
        <9> REFUSED

        @

>pub18<

   What kinds of outdoor activities (such as hunting, fishing, gardening, etc) do you
   personally do on a regular basis?

  [bold][yellow]CODER: CODE THE FIRST MENTION AT THIS SCREEN, CODE THE SECOND MENTION AT THE
NEXT SCREEN[n]

        <0> NONE, NO OUTDOOR ACTIVITIES [goto green1]
         1 [#specify]SPECIFY ACTIVITIES: RECORD ALL MENTIONS HERE
        <2> GARDENING   <14> BIKING
        <3> NATURE WATCHING (i.e. bird watching, etc)<15> HIKING
        <4> WOOD WORKING
        <5> HUNTING
        <6> FISHING
        <7> GOLFING
        <8> BOATING/KAYAKING/JETSKIING (i.e. water related sports)
        <9> RUNNING, JOGGING

```
        <13>  WALKING - DOG WALKING/PLAYING DOGS
        <10>  WINTER SPORTS (i.e. skiing, snowboarding, sledding)
        <11>  MOTORIZED SPORTS (i.e. motorcycle riding, motorcross, drag racing)
        <12>  YARD WORK/HOME MAINTENANCE
        <13>  CAMPING/RV'ING/ETC
        <97>  MISCELLANEOUS: OTHER

         <98> DO NOT KNOW[goto green1]
         <99> REFUSED[goto green1]

           @

>pub18a1<[#goto green1][allow 2]
 [bold][yellow]CODER: CODE THE SECOND MENTION AT THIS SCREEN, IF NO SECOND MENTION THEN CODE
 HERE AS 'NO MORE MENTIONED'[n]

        <0> NONE, NO OUTDOOR ACTIVITIES
        <2>  GARDENING                                    <14> BIKING
        <3>  NATURE WATCHING (i.e. bird watching, etc)<15> HIKING
        <4>  WOOD WORKING
        <5>  HUNTING
        <6>  FISHING
        <7>  GOLFING
        <8>  BOATING/KAYAKING/JETSKIING (i.e. water related sports)
        <9>  RUNNING, JOGGING
        <13>  WALKING - DOG WALKING/PLAYING DOGS
        <10>  WINTER SPORTS (i.e. skiing, snowboarding, sledding)
        <11>  MOTORIZED SPORTS (i.e. motorcycle riding, motorcross, drag racing)
        <12>  YARD WORK/HOME MAINTENCE
        <13>  CAMPING/RV'ING/ETC
        <97>  MISCELLANEOUS: OTHER
        <90>  NO MORE MENTIONED

        <98> DO NOT KNOW
        <99> REFUSED

           @

>green1< [#settime hulastop][#settime greenstart]

   For the next group of questions, I need to know if you currently own or
   rent your home?

        <1> OWN (INCLUDES: Private resident, modular home, trailer, etc)

        <2> RENT [goto green5v2]

        <3> OTHER: SPECIFY[#specify] [goto green5v2]


        <8> DO NOT KNOW [goto green5v2]
        <9> REFUSED[goto green5v2]

           @

>green2<

   Michigan, like the rest of the nation, is seeing large increases in the cost of energy.
Homeowners can make several energy-saving improvements or changes to help reduce energy
costs. As a homeowner, how likely or unlikely would you be to use each of the following as a
way to reduce energy costs?

   Solar shingles or panels?

   Would you be very likely, somewhat likely, somewhat unlikely, or very  unlikely?

        <1> VERY LIKELY
        <2> SOMEWHAT LIKELY
        <3> NEITHER LIKELY OR UNLIKELY
```

```
        <4> SOMEWHAT UNLIKELY
        <5> VERY UNLIKELY

        <8> DO NOT KNOW
        <9> REFUSED

        @


>green3<

  Small wind turbines or windmills?

  (Would you be very likely, somewhat likely, somewhat unlikely, or very  unlikely?)

        <1> VERY LIKELY
        <2> SOMEWHAT LIKELY
        <3> NEITHER LIKELY OR UNLIKELY
        <4> SOMEWHAT UNLIKELY
        <5> VERY UNLIKELY

        <8> DO NOT KNOW
        <9> REFUSED

        @



>green4<

  A geothermal heat pump, also known as a ground-source heat pump?

  (Would you be very likely, somewhat likely, somewhat unlikely, or very  unlikely?)

        <1> VERY LIKELY
        <2> SOMEWHAT LIKELY
        <3> NEITHER LIKELY OR UNLIKELY
        <4> SOMEWHAT UNLIKELY
        <5> VERY UNLIKELY

        <8> DO NOT KNOW
        <9> REFUSED

        @


>green5<

  Another energy-saving improvement is a "green roof" which is sometimes called a "living
roof."  Compared to the average person, would you say you know a lot about green roofs, know
only a little about green roofs, or have never before heard of green roofs?

        <1> A LOT
        <2> KNOW A LITTLE
        <3> NEVER HEARD OF GREEN ROOFS

        <8> DO NOT KNOW
        <9> REFUSED

        @

>skkc10< [goto green6]

>green5v2<

  Michigan, like the rest of the nation, is seeing large increases in the cost of energy.
The owners of buildings can make several energy-saving improvements or changes to help reduce
energy costs.  One of these energy-saving improvements is a "green roof" which is sometimes
called a "living roof."
```

Compared to the average person, would you say you know a lot about green roofs, know only a
little about green roofs, or have never before heard of green roofs?

        <1> A LOT
        <2> KNOW A LITTLE
        <3> NEVER HEARD OF GREEN ROOFS

        <8> DO NOT KNOW
        <9> REFUSED

        @

>green6<

  A green roof is partially or completely covered with plants over a waterproof barrier. It
can
  be garden like, but more commonly it consists of low-growing, low-maintenance plants like
  grasses or ground covers. Green roofs serve several purposes, such as absorbing rainwater,
  providing insulation, creating a habitat for wildlife, and creating cooler areas around
  buildings because green roofs do not heat up in the sun like a typical roof does. Green
  roofs can substantially reduce energy costs associated with heating and cooling a building.

  Despite these advantages, green roofs have only been adopted in a limited number of cases
in
  Michigan.

  What do you think are some of the reasons why green roofs have not been used widely in
Michigan?

 [bold][yellow]CODER: CODE THE FIRST MENTION AT THIS SCREEN, CODE THE SECOND MENTION AT THE
NEXT SCREEN[n]

       0 [#specify]SPECIFY

      <1> SNOW/WEATHER CONCERNS
      <2> LOOKS/AESTHETICS/ODD APPEARANCE/UNATTRACTIVE
           (i.e. neighbors would not like it, etc)

      <3> EFFECT ON PROPERTY VALUES
      <4> LACK OF INFORMATION/NEVER HEARD OF THEM
      <5> MAINTENANCE CONCERNS/TROUBLE MAINTAINING THEM
      <6> IMPRACTICAL IN MICHIGAN
      <7> EXPENSE/COST/AFFORDABILITY
      <8> LEGAL CONCERNS/ZONING CONCERNS
      <9> USE SPECIFIC ROOF TYPES (i.e. FLAT ROOFS)
     <10> EXTREME ENVIRONMENTALISM
     <11> POOR USE TAX DOLLARS

     <97> MISCELLANEOUS: OTHER

        <98> DO NOT KNOW[goto green7]
        <99> REFUSED[goto green7]

         @

>green6a< [#goto green7] [allow 2]

 [bold][yellow]CODER: CODE THE SECOND MENTION AT THIS SCREEN, IF NO SECOND MENTION THEN CODE
 HERE AS 'NO MORE MENTIONED'[n]

       0 [#specify]SPECIFY

      <1> SNOW/WEATHER CONCERNS
      <2> LOOKS/AESTHETICS/ODD APPEARANCE/UNATTRACTIVE
           (i.e. neighbors would not like it, etc)

      <3> EFFECT ON PROPERTY VALUES

```
         <4> LACK OF INFORMATION/NEVER HEARD OF THEM
         <5> MAINTENANCE CONCERNS/TROUBLE MAINTAINING THEM
         <6> IMPRACTICAL IN MICHIGAN
         <7> EXPENSE/COST/AFFORDABILITY
         <8> LEGAL CONCERNS/ZONING CONCERNS
         <9> USE SPECIFIC ROOF TYPES (i.e. FLAT ROOFS)
        <10> EXTREME ENVIRONMENTALISM
        <11> POOR USE TAX DOLLARS

        <97> MISCELLANEOUS: OTHER

        <90> NO MORE MENTIONED

           <98> DO NOT KNOW
           <99> REFUSED

              @
```

>green7<

  In your community, please tell me to what extent you would favor or oppose the use of green
  roofs on . . .

  Government buildings (such as courthouses, police stations, and fire stations)

  Would you strongly favor, somewhat favor, somewhat oppose, or strongly oppose?

```
        <1> STRONGLY FAVOR
        <2> SOMEWHAT FAVOR
        <3> NEITHER FAVOR OR OPPOSE : R VOLUNTEERS
        <4> SOMEWHAT OPPOSE
        <5> STRONGLY OPPOSE

        <8> DO NOT KNOW
        <9> REFUSED

           @
```

>green8<

  (In your community, to what extent would you favor or oppose the use of green roofs on . .
.)

   On commercial or industrial buildings (such as stores and restaurants)?

   (Would you strongly favor, somewhat favor, somewhat oppose, or strongly oppose?

```
        <1> STRONGLY FAVOR
        <2> SOMEWHAT FAVOR
        <3> NEITHER FAVOR OR OPPOSE : R VOLUNTEERS
        <4> SOMEWHAT OPPOSE
        <5> STRONGLY OPPOSE

        <8> DO NOT KNOW
        <9> REFUSED

           @
```

>green9<

  (In your community, would you favor or oppose the use of green roofs on . . .)

   on private residences?

   (Would you strongly favor, somewhat favor, somewhat oppose, or strongly oppose?

```
        <1> STRONGLY FAVOR
        <2> SOMEWHAT FAVOR
```

```
        <3> NEITHER FAVOR OR OPPOSE : R VOLUNTEERS
        <4> SOMEWHAT OPPOSE
        <5> STRONGLY OPPOSE

        <8> DO NOT KNOW
        <9> REFUSED

         @


>green10< [if green1 ne <1> goto ams1]


   As a homeowner, how likely or unlikely would you be to install a green
   roof on your home, as a way to reduce energy costs?

   Would be you be very likely, somewhat likely, somewhat unlikely, or very unlikely?

        <1> VERY LIKELY
        <2> SOMEWHAT LIKELY
        <3> NEITHER LIKELY OR UNLIKELY: R VOLUNTEERS
        <3> SOMEWHAT UNLIKELY
        <4> VERY UNLIKELY

        <8> DO NOT KNOW
        <9> REFUSED

         @


>ams1<  [#settime greenstop][#settime amsstart]
   Next, I have some questions about transportation in Michigan.

   Think for a moment about the transportation infrastructure in Michigan which includes
roads, bridges, and public transit systems such as trains and buses.

   How important do you feel it is to make improvements in these areas?

   Would you say it is extremely important, very important, somewhat important, not that
important, or not important at all?

        <1> EXTREMELY IMPORTANT
        <2> VERY IMPORTANT
        <3> SOMEWHAT IMPORTANT
        <4> NOT THAT IMPORTANT
        <5> NOT IMPORTANT AT ALL

        <8> DO NOT KNOW
        <9> REFUSED

        @


>ams2<

   If you could improve just one thing about the transportation infrastructure in the
[bold]area where you live[n], what would you want to improve?

   [bold]IWER: PLEASE FIELD CODE RESPONSE IF POSSIBLE, IF NOT USE THE 'OTHER SPECIFY'
OPTION[n]

      <1> BETTER ROADS AND HIGHWAYS: (fix potholes, secure bridges, better maintenance)

      <2> MORE OR BETTER PUBLIC TRANSPORTATION

      <3> LESS TRAFFIC/CONGESTION

      <4> TRAINS/EXPAND TRAIN TRAVEL/RAPID TRANSIT SYSTEMS
```

<5> AIR TRAVEL ISSUES/TOO EXPENSIVE
        <6> SAFETY CONCERNS/FAST DRIVING/UNSAFE DRIVING
        <7> NONE, NO IMPROVEMENTS NEEDED

         0 OTHER: SPECIFY[#specify]
        <90> OTHER: MISCELLANEOUS

                <98> DO NOT KNOW
                <99> REFUSED
                @

>ams6a<

  As policymakers consider Michigan's transportation infrastructure and the ways in which
transportation dollars are spent, would you strongly favor, somewhat favor, somewhat oppose,
or strongly oppose each of the following?

  Support "fix it first" policies that focus on maintaining rather than replacing our
existing roads, bridges and public transportation systems.

  Would you strongly favor, somewhat favor, somewhat oppose or strongly oppose spending
transportation dollars on this?

        <1> STRONGLY AGREE
        <2> SOMEWHAT AGREE
        <3> NEITHER AGREE/DISAGREE
        <4> SOMEWHAT DISAGREE
        <5> STRONGLY DISAGREE

        <8> DO NOT KNOW
        <9> REFUSED
        @

>ams6b<
  Focus on alternatives to cars such as buses, trains, walking and bike paths which give
people more transportation options and reduce traffic on roads.

  (Would you strongly favor, somewhat favor, somewhat oppose or strongly oppose spending
  transportation dollars in on this?)

        <1> STRONGLY AGREE
        <2> SOMEWHAT AGREE
        <3> NEITHER AGREE/DISAGREE
        <4> SOMEWHAT DISAGREE
        <5> STRONGLY DISAGREE

        <8> DO NOT KNOW
        <9> REFUSED
        @

>ams6c<
  Develop systems that better position Michigan for the global economy like waterways,
airports, and high speed rail technology.

  (Would you strongly favor, somewhat favor, somewhat oppose or strongly oppose spending
  transportation dollars on this?)

        <1> STRONGLY AGREE
        <2> SOMEWHAT AGREE
        <3> NEITHER AGREE/DISAGREE
        <4> SOMEWHAT DISAGREE
        <5> STRONGLY DISAGREE

        <8> DO NOT KNOW
        <9> REFUSED
        @

>ams3<

Next, I would like to read you some statements about Michigan's transportation
infrastructure
and have you tell me to what extent you agree or disagree with each.

Michigan should look at maintaining and rebuilding its transportation infrastructure to
help create jobs.

Would you say you strongly agree, somewhat agree, somewhat disagree, or strongly disagree?

        <1> STRONGLY AGREE
        <2> SOMEWHAT AGREE
        <3> NEITHER AGREE/DISAGREE
        <4> SOMEWHAT DISAGREE
        <5> STRONGLY DISAGREE

        <8> DO NOT KNOW
        <9> REFUSED
        @

>ams4<
  Michigan would benefit from an expanded and improved public transportation system, such as
rail and buses and bike paths.

   (Would you say you strongly agree, somewhat agree, somewhat disagree, or strongly
disagree?)

        <1> STRONGLY AGREE
        <2> SOMEWHAT AGREE
        <3> NEITHER AGREE/DISAGREE
        <4> SOMEWHAT DISAGREE
        <5> STRONGLY DISAGREE

        <8> DO NOT KNOW
        <9> REFUSED
        @

>ams5<
  Michigan's economy could improve if it were better suited for trade with other parts of the
country and the world.

   (Would you say you strongly agree, somewhat agree, somewhat disagree, or strongly
disagree?)

        <1> STRONGLY AGREE
        <2> SOMEWHAT AGREE
        <3> NEITHER AGREE/DISAGREE
        <4> SOMEWHAT DISAGREE
        <5> STRONGLY DISAGREE

        <8> DO NOT KNOW
        <9> REFUSED
        @

>ams9<
  A proposal has been made to build a new bridge in between Michigan and Canada. Those
  supporting the new bridge say that a new bridge would increase trade between the two
nations,
  help improve Michigan's economy, and create jobs. They also point out there would be no
cost
  to Michigan taxpayers to build the bridge. Those who oppose the bridge argue that a new
  bridge is unnecessary, it would not have a significant impact on trade between the two
  nations, and will cost Michigan taxpayers millions to maintain the bridge.

  Do you strongly support, somewhat support, somewhat oppose or strongly oppose building of a

new bridge in Michigan connecting the U.S. and Canada?

```
        <1> STRONGLY FAVOR
        <2> SOMEWHAT FAVOR
        <3> NEITHER FAVOR/OPPOSE
        <4> SOMEWHAT OPPOSE
        <5> STRONGLY OPPOSE

        <8> DO NOT KNOW
        <9> REFUSED

          @
```
>ams8<
  National and state policy makers have set a goal to double the amount of products that U.S.
  businesses currently send to other countries.

  In your opinion, would building this new bridge help in reaching this goal?

```
      <1> YES
      <5> NO

      <8> DO NOT KNOW
      <9> REFUSED

      @
```

>spnk1a< [#settime amsstop][#settime spinkstart]
  Next, we would like to ask you some questions about product counterfeiting. When we say
  product counterfeiting, we are [bold]not[n] talking about money or false documents such as
  passports or driver's licenses. Instead, we are talking about fake [bold]consumer
  products[n], such as handbags, watches, sports jerseys, sunglasses, electronics, and
  medicines.

  Counterfeit products can be deceptive in that a consumer may think they are buying a real
  product when they are not. These counterfeit products can also be non-deceptive where a
consumer knows or is quite sure that they are fake.

  Have you ever [bold]intentionally[n] purchased a product you knew was a counterfeit product
  such as a luxury handbag or team jersey?

```
        <1> YES
        <5> NO

        <8> DO NOT KNOW
        <9> REFUSED

        @
```

>spnk1b<
  Have you ever purchased a designer product and later discovered that it was actually a fake
or a counterfeit version of the product?

```
        <1> YES
        <5> NO

        <8> DO NOT KNOW
        <9> REFUSED
        @
```

>spnk4<
  In your opinion, should State government increase funding to arrest, prosecute, and
imprison product counterfeiters?

```
        <1> YES
        <5> NO[goto spnk2]
```

```
        <8> DO NOT KNOW[goto spnk2]
        <9> REFUSED[goto spnk2]
        @
```

>spnk4a<
  Would you still recommend increased funding for prosecuting product counterfeiters,
including more prison time, even if it led to higher taxes?

```
        <1> YES
        <5> NO

        <8> DO NOT KNOW
        <9> REFUSED
        @
```

>spnk4b<
   Would you still recommend increased funding for prosecuting product counterfeiters,
including more prison time, even if it took resources away from fighting other types of
crime?

```
        <1> YES
        <5> NO

        <8> DO NOT KNOW
        <9> REFUSED
        @
```

>spnk4c<
  Would you still recommend more prison time for product counterfeiters, even if it meant
that other types of criminals got probation or some other diversion program, instead of
prison time?

```
        <1> YES
        <5> NO

        <8> DO NOT KNOW
        <9> REFUSED
        @
```

>spnk2<
  Have you ever purchased [bold]prescription medicines[n] on the Internet [bold]with[n] a
prescription?

```
        <1> YES
        <5> NO[goto spnk3]

        <8> DO NOT KNOW[goto spnk3]
        <9> REFUSED[goto spnk3]
        @
```

>spnk2a<
  About how many times in the [bold]past year[n] have you purchased prescription medications
on the Internet?

```
        <1-50> TIMES

        <98> DO NOT KNOW
        <99> REFUSED
        @
```

>spnk2b<
   I am going to read you a list of different ways people may find websites to purchase
prescription medicines with a prescription. For each, please tell me if you have used the
method.

   Found a website using an Internet search engine such as as Google or Yahoo Search?

```
        <1> YES
        <5> NO

        <8> DO NOT KNOW
        <9> REFUSED

        @
>spnk2c<
  A website referred to you by your employer?

        <1> YES
        <5> NO

        <8> DO NOT KNOW
        <9> REFUSED

        @
>spnk2d<
  A website referred to you by a health-care professional, such as a  doctor or
  another hospital employee?

        <1> YES
        <5> NO

        <8> DO NOT KNOW
        <9> REFUSED

        @
>spnk2e<
  A website referred to you by family, friends, or co-workers?

        <1> YES
        <5> NO

        <8> DO NOT KNOW
        <9> REFUSED

        @

>spnk2f<
  You responded to an online advertisement?

        <1> YES
        <5> NO

        <8> DO NOT KNOW
        <9> REFUSED

        @

>spnk2g<
  You responded to an advertisement you read in a newspaper or magazine?

        <1> YES
        <5> NO

        <8> DO NOT KNOW
        <9> REFUSED

        @

>spnk2h<
  What other methods have you used to find websites to purchase prescription drugs with a
prescription?

        <1> NONE, NO OTHER WAYS
         0 SPECIFY: METHOD [#specify]
        <90> MISCELLANEOUS: OTHERS
```

```
        <98> DO NOT KNOW
        <99> REFUSED
        @

>spnk3<
  Have you ever purchased a prescription medicine on the Internet [bold]without[n] a
prescription?

  [green][bold]IWER: Use this probe if necessary: "Please remember that this interview is
                                        confidential and that you cannot be linked
                                        to your responses in any way"[n]

        <1> YES
        <5> NO[goto img2]

        <8> DO NOT KNOW[goto img2]
        <9> REFUSED[goto img2]

        @

>spnk3a<
  Why did you decided to buy these medications [bold]without[n] a prescription?

  [bold]IWER: PLEASE FIELD CODE RESPONSE IF POSSIBLE, IF NOT USE THE 'OTHER SPECIFY'
OPTION[n]

      <1> REPLACING AN EXPIRED PRESCRIPTION
      <2> SELF-MEDICATING FOR A COMMON MEDICAL CONDITION
                (i.e. antibiotics, allergy medications, acid reflux)
      <3> TO BUY A SLEEP AID
      <4> BIRTH CONTROL PILLS WITHOUT SOMEONE'S KNOWLEDGE
      <5> BUY LIFESTYLE MEDICATION (i.e. Viagra, sexually transmitted disease, etc.),
      <6> TO AID CONCENTRATION (i.e. amphetamine, or ADD type medicine),
      <7> TO AID SPORTS PERFORMANCE (not steroids)
      <8> RECREATIONAL USE (i.e.to get high/ recreational use)

       0 OTHER: PLEASE SPECIFY[#specify]

     <98> DO NOT KNOW
     <99> REFUSED
      @

>img2< [#settime spinkstop][#settime huckstart]

   Next, I have a couple of questions about immigration. Please tell me to what extent you
agree or disagree with each statement.

   Immigrants should be encouraged to settle in Michigan.

   Would you say you strongly agree, somewhat agree, somewhat disagree, or strongly disagree?

        <1> STRONGLY AGREE
        <2> SOMEWHAT AGREE
        <3> NEITHER AGREE/DISAGREE
        <4> SOMEWHAT DISAGREE
        <5> STRONGLY DISAGREE

        <8> DO NOT KNOW
        <9> REFUSED
        @

>img3<

  Immigrants should be encouraged to settle in your [bold]community.[n]

  (Would you say you strongly agree, somewhat agree, somewhat disagree, or strongly
disagree?)

        <1> STRONGLY AGREE
        <2> SOMEWHAT AGREE
```

```
        <3> NEITHER AGREE/DISAGREE
        <4> SOMEWHAT DISAGREE
        <5> STRONGLY DISAGREE

        <8> DO NOT KNOW
        <9> REFUSED
        @
```

>img4<

  Immigrants take jobs that Americans would otherwise fill.

  (Would you say you strongly agree, somewhat agree, somewhat disagree, or strongly
disagree?)

```
        <1> STRONGLY AGREE
        <2> SOMEWHAT AGREE
        <3> NEITHER AGREE/DISAGREE
        <4> SOMEWHAT DISAGREE
        <5> STRONGLY DISAGREE

        <8> DO NOT KNOW
        <9> REFUSED
        @
```

>img5<
  Government services should be provided in languages other than English.

  (Would you say you strongly agree, somewhat agree, somewhat disagree, or strongly
disagree?)

```
        <1> STRONGLY AGREE
        <2> SOMEWHAT AGREE
        <3> NEITHER AGREE/DISAGREE
        <4> SOMEWHAT DISAGREE
        <5> STRONGLY DISAGREE

        <8> DO NOT KNOW
        <9> REFUSED
        @
```


>CD1<   [#settime huckstop]

  Finally, I have a some background questions for you.

  [bold][green]RECORD PERSONS SEX AT THIS SCREEN: IF UNSURE USE THIS PROBE: "I need to
  verify that I am speaking with a (male/female) adult? [n]

```
        <1> MALE
        <2> FEMALE

        @
```

>CD2<

  In what year were you born?

```
        19 <10-93>

        <8> DO NOT KNOW
        <9> REFUSED

        @
```

>img1<

  Were you born in the United States or one of its territories?

```
                <1> YES
                <5> NO

                <8> DO NOT KNOW
                <9> REFUSED

                @


>CD3<

    What is the highest level of education you have completed?

                <0>     DID NOT GO TO SCHOOL
                <1>     1st GRADE
                <2>     2nd GRADE
                <3>     3rd GRADE
                <4>     4th GRADE
                <5>     5th GRADE
                <6>     6th GRADE
                <7>     7th GRADE
                <8>     8th GRADE
                <9>     9th GRADE
                <10>    10th GRADE
                <11>    11th  GRADE

                <12>    HIGH SCHOOL GRADUATE OR GED HOLDER

                <13>    1st YEAR COLLEGE
                <14>    2nd YEAR COLLEGE
                <20>    TECHNICAL/JUNIOR COLLEGE GRADUATE
                <15>    3rd YEAR COLLEGE
                <16>    COLLEGE GRADUATE   (FOUR YEARS)
                <17>    SOME POST GRADUATE
                <18>    GRADUATE DEGREE


                <98>[commandbutton <DO NOT KNOW>]
                <99>[commandbutton <REFUSED THIS QUESTION>]
                   @

>taskkc333< [if CD3 le <12> goto CD5a]

>CD3a<

  In college, did you take one or more science classes (such as biology, chemistry,
  physics)?


          <1> YES
          <5> NO[goto CD5a]

          <8> DO NOT KNOW[goto CD5a]
          <9> REFUSED [goto CD5a]

          @

>CD3b<

  Do you hold a college degree in a science or science-related field?

          <1> YES
          <5> NO

          <8> DO NOT KNOW
          <9> REFUSED
```

```
          @


>CD5a<

  Are you of Hispanic, Latino, or Spanish origin?

            <1> YES-HISPANIC/LATINO/SPANISH ORIGIN
            <5> NO-[bold]NOT[n] HISPANIC/LATINO/SPANISH ORIGIN

            <8>[commandbutton <DO NOT KNOW>]
            <9>[commandbutton <REFUSED THIS QUESTION>]

          @


>CD4< [open @a][open @b][open @c][open @d][open @e][open @f][open @g][open @done]

    What is your race?

    (Would you say white or Caucasian, African American or black, Hawaiian or other Pacific
    Islander, Asian, or American Indian or Alaska Native?)

    [red]IWER: CHECK ALL THAT APPLY - IF R REFUSES THE QUESTION PLEASE SELECT DONE[n]

     @a  WHITE OR CAUCASIAN
     @b  BLACK OR AFRICAN AMERICAN
     @c  HAWAIIAN OR OTHER PACIFIC ISLANDER
     @d  ASIAN
     @e  AMERICAN INDIAN OR ALASKA NATIVE
     @f  Other
     @g  REFUSED

    [nodata button <DONE>] @done

  [@a][checkbox] <1> YES <5> NO
  [@b][checkbox] <1> YES <5> NO
  [@c][checkbox] <1> YES <5> NO
  [@d][checkbox] <1> YES <5> NO
  [@e][checkbox] <1> YES <5> NO
  [@f][checkbox] <1> YES <5> NO
  [@g][checkbox] <1> YES <5> NO

>CD6<

  What is the religious group which you feel most closely represents your religious views?

  (Is it Catholic, Islamic, Jewish, Protestant, some other religion, or no religion)?

            <0> NONE; NO RELIGIOUS GROUP
            <1> CATHOLIC; ROMAN CATHOLIC, ORTHODOX
            <2> ISLAMIC/MUSLIM
            <3> JEWISH
            <4> PROTESTANT (include: Baptist, Methodist, Lutheran, Episcopalian, etc)
            <5> OTHER [bold]NON[n]-CHRISTIAN (include: Universal Unitarian, Hindu, Druid)
            <6> OTHER CHRISTIAN (include: Jehovah Witness, Mormon, 7th Day Adventist, etc)

            <7> OTHER RELIGION: UNABLE TO CLASSIFY
           <90>[#specify][commandbutton <SPECIFY: OTHER>]

           <98>[commandbutton <DO NOT KNOW>]
           <99>[commandbutton <REFUSED THIS QUESTION>]

            @

>CD7<
```

```
    Generally speaking, do you think of yourself as a Republican, a Democrat, an Independent
or something else?

                <1> REPUBLICAN
                <4> INDEPENDENT
                <7> DEMOCRAT

                <0> ANOTHER PARTY, THIRD PARTY, ETC

                <8>[commandbutton <DO NOT KNOW>]
                <9>[commandbutton <REFUSED THIS QUESTION>]

                @a

    [if CD7@a eq <1>]

    Would you call yourself a strong Republican or not a very strong Republican?

                <1> STRONG REPUBLICAN
                <2> NOT A VERY STRONG REPUBLICAN

                <8>[commandbutton <DO NOT KNOW>]
                <9>[commandbutton <REFUSED THIS QUESTION>]

                @b

     [endif]
     [if CD7@a eq <7>]

     Would you call yourself a strong Democrat or not a very strong Democrat?

                <7> STRONG DEMOCRAT
                <6> NOT A VERY STRONG DEMOCRAT

                <8>[commandbutton <DO NOT KNOW>]
                <9>[commandbutton <REFUSED THIS QUESTION>]

                @c
     [endif]
     [if CD7@a eq <4> or CD7@a eq <0>]

    Do you generally think of yourself as closer to the Democratic Party or the Republican
Party?

                <3>  REPUBLICAN
                <4>  NEITHER (R PROVIDED)
                <5>  DEMOCRAT

                <8>[commandbutton <DO NOT KNOW>]
                <9>[commandbutton <REFUSED THIS QUESTION>]

                 @d
                [endif]


>partyid<   [allow 1]
        [if CD7@b eq <1>][store <1> in partyid][endif]   1 strong republican
        [if CD7@b eq <2>][store <2> in partyid][endif]   2 not strong rep
        [if CD7@a eq <8>][store <8> in partyid][endif]   3 lean republican
        [if CD7@a eq <9>][store <9> in partyid][endif]   4 neither
        [if CD7@c eq <6>][store <6> in partyid][endif]   5 lean democrat
        [if CD7@c eq <7>][store <7> in partyid][endif]   6 not strong dem
        [if CD7@d eq <3>][store <3> in partyid][endif]   7 strong democrat
        [if CD7@d eq <4>][store <4> in partyid][endif]
        [if CD7@d eq <5>][store <5> in partyid][endif]
        [#if CD7@a eq <0>][#store <0> in partyid][#endif]

>P17<
```

Generally speaking, do you think of yourself as a conservative, a moderate, or a liberal?

                 <1> CONSERVATIVE
                 <4> MODERATE
                 <7> LIBERAL

                 <0> OTHER

                 <8>[commandbutton <DO NOT KNOW>]
                 <9>[commandbutton <REFUSED THIS QUESTION>]

                 @a

                 [if P17@a eq <1>]

  Would you consider yourself very conservative or somewhat conservative?

                 <1> VERY CONSERVATIVE
                 <2> SOMEWHAT CONSERVATIVE

                 <8>[commandbutton <DO NOT KNOW>]
                 <9>[commandbutton <REFUSED THIS QUESTION>]

                 @b

                 [endif]
                 [if P17@a eq <7>]

    Would you consider yourself very liberal or somewhat liberal?

                 <7> VERY LIBERAL
                 <6> SOMEWHAT LIBERAL

                 <8>[commandbutton <DO NOT KNOW>]
                 <9>[commandbutton <REFUSED THIS QUESTION>]

                 @c
                 [endif]

                 [if P17@a eq <4> or P17@a eq <0>]

  Do you generally think of yourself as closer to the conservative side or the liberal side?

                 <3> CLOSER TO THE CONSERVATIVE
                 <4> IN THE MIDDLE
                 <5> CLOSER TO THE LIBERAL SIDE

                 <8>[commandbutton <DO NOT KNOW>]
                 <9>[commandbutton <REFUSED THIS QUESTION>]

                 @d

                 [endif]

>ideology< [allow 1]
  [if P17@b eq <1>][store <1> in ideology][endif] 1 very conservative
  [if P17@b eq <2>][store <2> in ideology][endif] 2 somewhat conservative
  [if P17@a eq <8>][store <8> in ideology][endif] 3 lean conservative
  [if P17@a eq <9>][store <9> in ideology][endif]   4 middle
  [if P17@c eq <6>][store <6> in ideology][endif]   5 lean liberal
  [if P17@c eq <7>][store <7> in ideology][endif]   6 somewhat liberal
  [if P17@d eq <3>][store <3> in ideology][endif]   7 very liberal
  [if P17@d eq <4>][store <4> in ideology][endif]
  [if P17@d eq <5>][store <5> in ideology][endif]

>CD8<

Are you currently married, divorced, separated, widowed, member of an unmarried couple, or
have you never been married?

          <1> MARRIED, REMARRIED
          <2> DIVORCED
          <3> SEPARATED
          <4> WIDOWED
          <5> MEMBER OF AN UNMARRIED COUPLE
          <6> SINGLE, NEVER BEEN MARRIED

           0 [#specify] SPECIFY: OTHER
          <7> OTHER: UNABLE TO CLASSIFY

          <8>[commandbutton <DO NOT KNOW>]
          <9>[commandbutton <REFUSED THIS QUESTION>]

           @

>CD10< [store adult in CD10][goto CD15]

  Including yourself, how many individuals who are 18 years of age or older live in your
  household?

      @   NUMBER OF ADULTS

      [red]IWER: USE '9' FOR DONT KNOW OR REFUSED[n]

      [red]DOUBLE CLICK ON ANSWER TO ADVANCE SCREEN[n]

      [@]
      [listbox ListBox1]
      [choices are <1><2><3><4><5><6><7><9><10>]
      [allow 2]

>CD15<

  We are interested in learning about the different ways people may earn their living. Last
week, were you working full-time, part-time, going to school, a homemaker or something else?

  [bold][green]IWER: IT IS IMPORTANT TO MAKE EVERY EFFORT TO PRE-CODE RESPONDENT
  RESPONSE. IF R STATES ANYTHING THAT YOU ARE UNSURE HOW TO CODE SUCH
  AS 'SELF EMPLOYED, FREELANCE, CONTRACT WORKER' - PROBE WITH "Would you
  say that is more of a full time or part time job".[n]

          <1> WORK FULL TIME
          <2> WORK PART TIME

          <3> WORK AND GO TO SCHOOL
          <4> THE ARMED FORCES
          <5> HAVE A JOB, BUT NOT AT WORK LAST WEEK (ON VACATION, SICK LEAVE, ETC)

          <6> UNEMPLOYED, LAID OFF, LOOK FOR WORK
          <7> RETIRED

          <8> SCHOOL FULL TIME
          <9> HOMEMAKER
         <10> DISABLED

          0 [#specify] SPECIFY: OTHER
          <97> OTHER: UNABLE TO CLASSIFY

          <98>[commandbutton <DO NOT KNOW>]
          <99>[commandbutton <REFUSED THIS QUESTION>]

          @

```
>UN1<   [if CD15 ge <6> goto UN2]

   Are you [bold]currently[n] a member of a union or are you represented by a union?

           <1> [goto UN3]YES
           <5> NO

           <8>[commandbutton <DO NOT KNOW>]
           <9>[commandbutton <REFUSED THIS QUESTION>]

           @

>UN2<

    Have you [bold]ever[n] been a member of a union or represented by a union?

           <1> YES
           <5> NO

           <8>[commandbutton <DO NOT KNOW>]
           <9>[commandbutton <REFUSED THIS QUESTION>]
             @

>UN3< [if CD10 eq <1> goto inca]

   Is anyone else in your household a member of a union or represented by a  union?

           <1> YES
           <5> NO

           <8>[commandbutton <DO NOT KNOW>]
           <9>[commandbutton <REFUSED THIS QUESTION>]
             @

>inca<

   To get a picture of people's financial situations, we'd like to know the  general
[bold]range of incomes[n] of all households we interview. This is  for statistical analysis
purposes and your answers will be kept strictly  confidential.

   Now, thinking about your [bold]household's[n] total annual income from all sources
(including
  your job), did your household receive $40,000 or more in 2010?

             <1> [goto incd] YES
             <5> [goto incb] NO

             <8> [goto income][commandbutton <DO NOT KNOW>]
             <9> [goto income][commandbutton <REFUSED THIS QUESTION>]
             @

>incb<

   Was it less than $20,000?

             <1> [goto incc] YES
             <5> [goto incca] NO

             <8> [goto income][commandbutton <DO NOT KNOW>]
             <9> [goto income] [commandbutton <REFUSED THIS QUESTION>]
             @

>incca<

  What is less than $30,000?

             <1>[goto income] YES
             <5>[goto income] NO
```

```
                <8> [goto income][commandbutton <DO NOT KNOW>]
                <9> [goto income] [commandbutton <REFUSED THIS QUESTION>]
                @

>incc<

    Was it less than $10,000?

                <1>[goto income] YES
                <5>[goto income] NO

                <8> [goto income][commandbutton <DO NOT KNOW>]
                <9>[goto income] [commandbutton <REFUSED THIS QUESTION>]
                @

>incd<

    Was it $60,000 or more?

                <1> [goto incg] YES
                <5> [goto incf] NO

                <8> [goto income][commandbutton <DO NOT KNOW>]
                <9>[goto income] [commandbutton <REFUSED THIS QUESTION>]
                @

>incf<

    Was it $50,000 or more?

                <1>[goto income] YES
                <5>[goto income] NO

                <8> [goto income][commandbutton <DO NOT KNOW>]
                <9>[goto income] [commandbutton <REFUSED THIS QUESTION>]
                @

>incg<

    Was it more than $100,000?

                <1>[goto inci] YES
                <5> NO

                <8> [goto income][commandbutton <DO NOT KNOW>]
                <9>[goto income] [commandbutton <REFUSED THIS QUESTION>]
                @

>inch<

  Was it more than $70,000?

                <1> YES
                <5> [goto income]NO

                <8> [goto income][commandbutton <DO NOT KNOW>]
                <9>[goto income] [commandbutton <REFUSED THIS QUESTION>]
                 @

>incha<

  Was it more than $90,000?

                <1> [goto income]YES
                <5> [goto income]NO

                <8> [goto income][commandbutton <DO NOT KNOW>]
                <9> [goto income] [commandbutton <REFUSED THIS QUESTION>]
                 @
```

>inci<

   Was it more than $150,000?

            <1> [goto income]YES
            <5> [goto income]NO

            <8> [goto income][commandbutton <DO NOT KNOW>]
            <9> [goto income] [commandbutton <REFUSED THIS QUESTION>]
             @

>income< [allow 2]

>CD26<

  How many [bold]different[n] phone numbers does your household have, not including cell
phones?

        @ NUMBER OF PHONE NUMBERS

        [red]IWER: USE '9' FOR DONT KNOW OR REFUSED[n]

        [red]DOUBLE CLICK ON ANSWER TO ADVANCE SCREEN[n]

        [@]
        [listbox ListBox3]
        [choices are <1><2><3><4><5><6><7><9>]
        [allow 1]

>X1<

   Would you say you live in a rural community, a small city or town, a suburb, or an urban
community?

            <1> RURAL COMMUNITY
            <2> SMALL CITY OR TOWN, VILLAGE
            <3> A SUBURB
            <4> URBAN COMMUNITY

            <0> [#specify][commandbutton <SPECIFY: OTHER>]

            <7> OTHER: UNABLE TO CLASSIFY

            <8> [commandbutton <DO NOT KNOW>]
            <9> [commandbutton <REFUSED THIS QUESTION>]

             @

>zipcode< [allow 5]

  What is your zip code?

        (IF R ASKS WHY: We want to know the general area in the State
                         where people live so that we can compare information
                         from residents in different areas of the state.)

           ZIP CODE - 48000 - 49999

          <8>[commandbutton <DO NOT KNOW>]
          <9>[commandbutton <REFUSED THIS QUESTION>]

           @

```
     [@] <48000-49999> ZIPPY CODE




>RI<    [loc 21/1]

  In a couple of months, we'd like to re-contact some of the people we've spoken
  with for another interview either over the phone or on the web. Would you
  be willing to participate again in a couple of months?

                <1> YES
                <5> [goto out]NO

                <8> [commandbutton <DO NOT KNOW>]
                <9> [goto out][commandbutton <REFUSED THIS QUESTION>]

                @

>RIa<

  Do you have an email address so that we may contact you to do the survey online instead of
by phone?

  Your email address will be kept confidential and will only be used for research purposes.

                <1> YES
                <3> [goto rname]NO, DO NOT WANT TO GIVE EMAIL ADDRESS OUT
                <5> [goto rname]NO, HAVE NO EMAIL

                <8> [goto rname][commandbutton <DO NOT KNOW>]
                <9> [goto rname][commandbutton <REFUSED THIS QUESTION>]


                @

>email<

  What is your email address?

                        EMAIL ADDRESS: @


  [@][allow 40]


>rname<

  Can I get your first name so we know who to ask for when we re-contact you?

                        FIRST NAME: @

  [@][allow 20]



>out<
      [subtime purestart from purestop into pure]
      [subtime hulastart from hulastop into hula]
      [subtime amsstart from amsstop into ams]
      [subtime spinkstart from spinkstop into spink]
      [subtime huckstart from huckstop into huck]
      [subtime greenstart from greenstop into green]
```

```
>contacts< [allow 2][loc 22/1][store TCNT in contacts]
>length<[allow 4][store TTIM in length]
>idate< [allow 8][store IDAT in idate]
>iwer< [allow 3][store INVW in iwer]
>males< [allow 2][store male in males]
>females< [allow 2][store female in females]

            [goto MOD7]


>sexp< [allow 6]
        [if isex eq <1>][store <MALE> in sexp][endif]
        [if isex eq <2>][store <FEMALE> in sexp][endif]
        [goto T120]



>PO1<    [loc 22/40]


    The next couple of questions are about our elected officials.

    Overall, how would you rate the way [bold]Barack Obama[n] is performing his job as
[bold]President[n]?

    Would you say excellent, good, fair, or poor?

            <1> EXCELLENT
            <2> GOOD
            <3> FAIR
            <4> POOR

            <8>[commandbutton <DO NOT KNOW>]
            <9>[commandbutton <REFUSED THIS QUESTION>]
           @

>PO2<

   How would you rate the way [bold]Rick Snyder[n] is performing his job as Michigan's
[bold]governor[n]?

   Would you say excellent, good, fair, or poor?

            <1> EXCELLENT
            <2> GOOD
            <3> FAIR
            <4> POOR

            <8>[commandbutton <DO NOT KNOW>]
            <9>[commandbutton <REFUSED THIS QUESTION>]
           @

>fix2< [goto pure1]

            [goto MOD7]
```

13. SPSS COMMANDS

```
       TITLE"Michigan State of the State 59".
       DATA LIST fixed records=5
         FILE="q:\msusos59\productn\recall\c-inst\rec59.dat"
        /1          CASEID 1-5              ID1 1-5 (A)              R1 6 (A)
                 cnty 7-11 (A)            regn 12 (A)          listed 16 (A)
                      CC1 17                 CC2 18                 CC3 19
                      CC4 20                 CC5 21                 CC6 22
                    pure1 23              pure2a 24              pure2b 25
                   pure2c 26              pure2d 27              pure2e 28
                   pure2f 29              pure2g 30              pure2h 31
                   pure3a 32              pure3b 33              pure3c 34
                   pure3d 35              pure3e 36            pure3f 37-38
                    pure4 39              pure5a 40              pure5b 41
                   pure5c 42              pure5d 43              pure5e 44
                   pure6a 45              pure6b 46              pure6c 47
                   pure6d 48                pub1 49              publa 50
                     pub2 51               pub2a 52               pub3 53
                    pub3a 54                pub4 55               pub4a 56
                    pub4b 57               pub4c 58               pub4d 59
                    pub4e 60                pub5 61                pub6 62
                     pub7 63                pub8 64              pub10 65
                    pub11 66               pub12 67              pub13 68
                   pub17a 69              pub17b 70             pub17c 71
                   pub17d 72              pub17e 73            pub18 74-75
                pub18a1 76-77             green1 78             green2 79
                   green3 80
        /2         green4 1               green5 2             green5v2 3
                 green6 4-5             green6a 6-7             green7 8
                  green8 9               green9 10             green10 11
                   ams1 12              ams2 13-14              ams6a 15
                  ams6b 16               ams6c 17               ams3 18
                   ams4 19                ams5 20               ams9 21
                   ams8 22              spnk1a 23              spnk1b 24
                  spnk4 25              spnk4a 26              spnk4b 27
                 spnk4c 28               spnk2 29            spnk2a 30-31
                 spnk2b 32              spnk2c 33              spnk2d 34
                 spnk2e 35              spnk2f 36              spnk2g 37
               spnk2h 38-39              spnk3 40            spnk3a 41-42
                   img2 43                img3 44                img4 45
                   img5 46                 CD1 47              CD2 48-49
                   img1 50              CD3 51-52               CD3a 53
                   CD3b 54                CD5a 55              CD4a@a 56
                 CD4a@b 57              CD4a@c 58              CD4a@d 59
                 CD4a@e 60              CD4a@f 61              CD6 63-64
                 CD7@a 65               CD7@b 66               CD7@c 67
                 CD7@d 68              partyid 69              P17@a 70
                 P17@b 71               P17@c 72               P17@d 73
               ideology 74                 CD8 75           CD10 76-77 (A)
                CD15 78-79                 UN1 80
        /3          UN2 1                  UN3 2                  inca 3
                   incb 4                incca 5                 incc 6
                   incd 7                 incf 8                 incg 9
                   inch 10               incha 11                inci 12
                 CD26 15 (A)                X1 16          zipcode 17-21 (A)
        /4           RI 1
        /5    contacts 1-2 (A)          length 3-6 (A)         idate 7-14 (A)
                  iwer 15-17 (A)        males 18-19 (A)      females 20-21 (A)
                   PO1 22    PO2 23
          .

       VARIABLE LABELS
          CASEID     'case identification number' /
          ID1        'CaseID' /
          R1         'Record ID' /
          cnty       'County Code' /
          regn       'Region Code' /
          listed     'Sample' /
          CC1        'Past Financial' /
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CC2        'Future Financial' /
CC3        'Current Financial' /
CC4        'Inflation Rate' /
CC5        'Unemployment Rate' /
CC6        'Business Conditions' /
pure1      'Familiarity Pure Michigan' /
pure2a     'Campaign Positive Affect Tourism Statewide' /
pure2b     'Campaign Positive Affect Tourism Locally' /
pure2c     'Understanding of Campaign Issues' /
pure2d     'Enjoy Political Participation' /
pure2e     'Qualified Participate in Pure MI Discussions' /
pure2f     'Ways Have Say in Pure MI Campaign' /
pure2g     'Important Part Influencing State Government' /
pure2h     'Vote Political Campaigns Influence Pure MI' /
pure3a     'Participated - Public Hearing Tourism' /
pure3b     'Communicated  - Travel MI - State Gov''t' /
pure3c     'Served - Tourism Committee/Advisory Board' /
pure3d     'Wrote Correspondence - Pure MI Campaign' /
pure3e     'Posted Comments/Blog/Twitter - Pure MI' /
pure3f     'Other Activities: Pure MI' /
pure4      'Effectiveness Pure MI Campaign' /
pure5a     'Leader In Groups' /
pure5b     'Prefer Leader to Follower' /
pure5c     'Prefer Leading in Groups' /
pure5d     'Organize Others to Accomplish Tasks' /
pure5e     'People Follow My Ideas' /
pure6a     'Neighborhood/Community Helps With Needs' /
pure6b     'Member of Community' /
pure6c     'Part of Decisions in Neighborhood' /
pure6d     'Friendship With Neighbors/Community' /
pub1       'Scientific Evidence of Climate Change' /
pub1a      'Climate Change and Human Activity' /
pub2       'Asian Carp Effects on Eco-system' /
pub2a      'Priority of Stopping Asian Carp' /
pub3       'Oil Drilling Under Great Lakes' /
pub3a      'On-Shore vs. Off-shore Drilling' /
pub4       'Information Source for Environmental Issues' /
pub4a      'Radio Station Information Comes From' /
pub4b      'Tv Station Information Comes From' /
pub4c      'Newspaper' /
pub4d      'News Magazine' /
pub4e      'News Website' /
pub5       'Scientists Role in Environment' /
pub6       'University Researchers Need to Help' /
pub7       'Scientists Better than Private Info' /
pub8       'Human Impact on Environment' /
pub10      'Natural Resources Use' /
pub11      'Government Priority' /
pub12      'Economic Impact' /
pub13      'Funding for Scientific Research' /
pub17a     'Trustworthy Sources' /
pub17b     'Government scientists and regulators.' /
pub17c     'University scientists.' /
pub17d     'Corporate scientists?' /
pub17e     'Politicians?' /
pub18      'Outdoor Activities -1st Mention' /
pub18a1    'Outdoor Activities -1st Mention' /
green1     'Own or Rent Home' /
green2     'Homeowner Reducing Energy Costs' /
green3     'Wind Turbines/Windmills' /
green4     'Geothermal Heat Pump' /
green5     'Knowledge of "Green Roof" (Home Owners)' /
green5v2   'Knowledge of "Green Roof" (Renters)' /
green6     'Reasons Green Roofs - 1st Mention' /
green6a    'Reasons Green Roofs - 2nd Mention' /
green7     'Green Roofs on Government Buildings' /
green8     'Green Roofs on Industrial Buildings' /
green9     'Green Roofs on Private Residences' /
green10    'Buying a Greenroof' /
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ams1      'Improving Transportation' /
ams2      'One Transportation Improvment' /
ams6a     'Fix it First Policy' /
ams6b     'Car Alternatives' /
ams6c     'Transportation Systems' /
ams3      'Transportation Creating Jobs' /
ams4      'Transportation Expansion' /
ams5      'Trade Outside of Michigan' /
ams9      'Bridge Between Michigan and Canada' /
ams8      'Double Products Exported' /
spnk1a    'Intentional Purchase Counterfiet Item' /
spnk1b    'Unintentional Purchase Counterfiet Item' /
spnk4     'Fudning for Counterfeiter Arrest' /
spnk4a    'Higher Taxes' /
spnk4b    'Resources Taken Away' /
spnk4c    'Probation Instead of Prison' /
spnk2     'Internet Prescriptions' /
spnk2a    'Number Purchased on Internet' /
spnk2b    'Searching for Prescriptions' /
spnk2c    'Website from Employer' /
spnk2d    'Website from Doctor' /
spnk2e    'A website from Friends' /
spnk2f    'ONline Advertisement' /
spnk2g    'Advertisement in Newspaper/Magazine' /
spnk2h    'Other Methods for Prescriptions' /
spnk3     'Purchase Without Prescription' /
spnk3a    'Why Medicine Without Prescription' /
img2      'Immigrants Settling in Michigan' /
img3      'Immigrants Settling in Community' /
img4      'Immigrant Jobs' /
img5      'Government services Other Languages' /
CD1       'Sex' /
CD2       'Year Born' /
img1      'Born In the USA' /
CD3       'Education' /
CD3a      'College Take Science Classes' /
CD3b      'College Science Degree' /
CD5a      'Ethnicity' /
CD4a@a    'Race - White/Caucasian' /
CD4a@b    'Race - African American or Black' /
CD4a@c    'Race - Hawaiian or other Pacific Islander' /
CD4a@d    'Race - Asian' /
CD4a@e    'Race - American Indian or Alaska Native' /
CD4a@f    'Race Other' /
CD6       'Religion' /
CD7@a     'Political Party ID' /
CD7@b     'Republican' /
CD7@c     'Democrat' /
CD7@d     'Independent' /
partyid   'Political Party Preference' /
P17@a     'Political Ideology' /
P17@b     'Conservative' /
P17@c     'Liberal' /
P17@d     'Middle/Neither' /
ideology  'Degree Liberal-Conservative' /
CD8       'Marital Status' /
CD10      'Adults HH' /
CD15      'Employment Status' /
UN1       'Union Member' /
UN2       'Past Union' /
UN3       'Union Family' /
inca      'More $40,000' /
incb      'Less than $20,000' /
incca     'Less than $30,000' /
incc      'Less than $10,000' /
incd      'More than $60,000' /
incf      'More than $50,000' /
incg      'More than $100,000' /
inch      'More than $70,000' /
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    incha      'More than $90,000' /
    inci       'More than $150,000' /
    CD26       'Phone Lines' /
    X1         'Type Community' /
    zipcode    'Zip Code' /
    RI         'Re-Interview' /
    contacts   'Contacts For Completion' /
    length     'Interview Length' /
    idate      'Interview Date' /
    iwer       'Interviewer ID' /
    males      'No. Males HH' /
    females    'No. Females HH' /
    PO1        'Obama Rating' /
    PO2        'Synder Rating' /
    .

VALUE LABELS
    regn       '1' 'upper pen' '2' 'northern' '3' 'west central'
               '4' 'east central' '5' 'southwest' '6' 'southeast' '7' 'Detroit'
               /
    CC1        1 'BETTER OFF' 2 'ABOUT THE SAME (R PROVIDED)' 3 'WORSE OFF'
               8 'DO NOT KNOW' 9 'REFUSED' /
    CC2        1 'BETTER OFF' 2 'ABOUT THE SAME (R PROVIDED)' 3 'WORSE OFF'
               8 'DO NOT KNOW' 9 'REFUSED' /
    CC3        1 'EXCELLENT' 2 'GOOD' 3 'JUST FAIR' 4 'NOT SO GOOD' 5 'POOR'
               8 'DO NOT KNOW' 9 'REFUSED' /
    CC4        1 'GO UP' 2 'GO DOWN' 3 'STAY ABOUT THE SAME' 8 'DO NOT KNOW'
               9 'REFUSED' /
    CC5        1 'BETTER THAN' 2 'WORSE THAN' 3 'ABOUT THE SAME'
               8 'DO NOT KNOW' 9 'REFUSED' /
    CC6        1 'GOOD TIMES' 2 'BAD TIMES'
               3 'NEITHER GOOD NOR BAD; MEDIOCRE STAY THE SAME(R PROVIDED)'
               8 'DO NOT KNOW' 9 'REFUSED' /
    pure1      1 'NOT FAMILIAR AT ALL' 2 'NOT VERY FAMILIAR'
               3 'SOMEWHAT FAMILIAR' 4 'VERY FAMILIAR' 8 'DO NOT KNOW'
               9 'REFUSED' /
    pure2a     1 'STRONGLY DISAGREE' 2 'SOMEWHAT DISAGREE'
               3 'NEITHER: R VOLUNTEERS RESPONSE' 4 'SOMEWHAT AGREE'
               5 'STRONGLY AGREE' 8 'DO NOT KNOW' 9 'REFUSED' /
    pure2b     1 'STRONGLY DISAGREE' 2 'SOMEWHAT DISAGREE'
               3 'NEITHER: R VOLUNTEERS RESPONSE' 4 'SOMEWHAT AGREE'
               5 'STRONGLY AGREE' 8 'DO NOT KNOW' 9 'REFUSED' /
    pure2c     1 'STRONGLY DISAGREE' 2 'SOMEWHAT DISAGREE'
               3 'NEITHER: R VOLUNTEERS RESPONSE' 4 'SOMEWHAT AGREE'
               5 'STRONGLY AGREE' 8 'DO NOT KNOW' 9 'REFUSED' /
    pure2d     1 'STRONGLY DISAGREE' 2 'SOMEWHAT DISAGREE'
               3 'NEITHER: R VOLUNTEERS RESPONSE' 4 'SOMEWHAT AGREE'
               5 'STRONGLY AGREE' 8 'DO NOT KNOW' 9 'REFUSED' /
    pure2e     1 'STRONGLY DISAGREE' 2 'SOMEWHAT DISAGREE'
               3 'NEITHER: R VOLUNTEERS RESPONSE' 4 'SOMEWHAT AGREE'
               5 'STRONGLY AGREE' 8 'DO NOT KNOW' 9 'REFUSED' /
    pure2f     1 'STRONGLY DISAGREE' 2 'SOMEWHAT DISAGREE'
               3 'NEITHER: R VOLUNTEERS RESPONSE' 4 'SOMEWHAT AGREE'
               5 'STRONGLY AGREE' 8 'DO NOT KNOW' 9 'REFUSED' /
    pure2g     1 'STRONGLY DISAGREE' 2 'SOMEWHAT DISAGREE'
               3 'NEITHER: R VOLUNTEERS RESPONSE' 4 'SOMEWHAT AGREE'
               5 'STRONGLY AGREE' 8 'DO NOT KNOW' 9 'REFUSED' /
    pure2h     1 'STRONGLY DISAGREE' 2 'SOMEWHAT DISAGREE'
               3 'NEITHER: R VOLUNTEERS RESPONSE' 4 'SOMEWHAT AGREE'
               5 'STRONGLY AGREE' 8 'DO NOT KNOW' 9 'REFUSED' /
    pure3a     1 'YES' 5 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
    pure3b     1 'YES' 5 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
    pure3c     1 'YES' 5 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
    pure3d     1 'YES' 5 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
    pure3e     1 'YES' 5 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
    pure3f     1 'NO, NO OTHER ACTIVITIES' 2 'DISCUSSION WITH FRIENDS/FAMILY'
               3 'DISCUSSION WITH PUBLIC OFFICIAL' 4 'TAXES/PAY TAXES'
               5 'RECEIVED EMAIL/NEWSLETTER' 6 'PURCHASED PRODUCTS'
               7 'TRAVELED IN/THROUGHOUT MICHIGAN'
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            8 'PROMOTED TRAVEL IN MICHIGAN TO OTHERS'
            90 'MISCELLANEOUS: OTHER' 98 'DO NOT KNOW' 99 'REFUSED' /
pure4       1 'VERY INEFFECTIVE' 2 'SOMEWHAT INEFFECTIVE'
            3 'NEITHER: R VOLUNTEERS RESPONSE' 4 'SOMEWHAT EFFECTIVE'
            5 'VERY EFFECTIVE' 8 'DO NOT KNOW' 9 'REFUSED' /
pure5a      1 'STRONGLY DISAGREE' 2 'SOMEWHAT DISAGREE'
            3 'NEITHER: R VOLUNTEERS RESPONSE' 4 'SOMEWHAT AGREE'
            5 'STRONGLY AGREE' 8 'DO NOT KNOW' 9 'REFUSED' /
pure5b      1 'STRONGLY DISAGREE' 2 'SOMEWHAT DISAGREE'
            3 'NEITHER: R VOLUNTEERS RESPONSE' 4 'SOMEWHAT AGREE'
            5 'STRONGLY AGREE' 8 'DO NOT KNOW' 9 'REFUSED' /
pure5c      1 'STRONGLY DISAGREE' 2 'SOMEWHAT DISAGREE'
            3 'NEITHER: R VOLUNTEERS RESPONSE' 4 'SOMEWHAT AGREE'
            5 'STRONGLY AGREE' 8 'DO NOT KNOW' 9 'REFUSED' /
pure5d      1 'STRONGLY DISAGREE' 2 'SOMEWHAT DISAGREE'
            3 'NEITHER: R VOLUNTEERS RESPONSE' 4 'SOMEWHAT AGREE'
            5 'STRONGLY AGREE' 8 'DO NOT KNOW' 9 'REFUSED' /
pure5e      1 'STRONGLY DISAGREE' 2 'SOMEWHAT DISAGREE'
            3 'NEITHER: R VOLUNTEERS RESPONSE' 4 'SOMEWHAT AGREE'
            5 'STRONGLY AGREE' 8 'DO NOT KNOW' 9 'REFUSED' /
pure6a      1 'STRONGLY DISAGREE' 2 'SOMEWHAT DISAGREE'
            3 'NEITHER: R VOLUNTEERS RESPONSE' 4 'SOMEWHAT AGREE'
            5 'STRONGLY AGREE' 8 'DO NOT KNOW' 9 'REFUSED' /
pure6b      1 'STRONGLY DISAGREE' 2 'SOMEWHAT DISAGREE'
            3 'NEITHER: R VOLUNTEERS RESPONSE' 4 'SOMEWHAT AGREE'
            5 'STRONGLY AGREE' 8 'DO NOT KNOW' 9 'REFUSED' /
pure6c      1 'STRONGLY DISAGREE' 2 'SOMEWHAT DISAGREE'
            3 'NEITHER: R VOLUNTEERS RESPONSE' 4 'SOMEWHAT AGREE'
            5 'STRONGLY AGREE' 8 'DO NOT KNOW' 9 'REFUSED' /
pure6d      1 'STRONGLY DISAGREE' 2 'SOMEWHAT DISAGREE'
            3 'NEITHER: R VOLUNTEERS RESPONSE' 4 'SOMEWHAT AGREE'
            5 'STRONGLY AGREE' 8 'DO NOT KNOW' 9 'REFUSED' /
pub1        1 'STRONG SCIENTIFIC EVIDENCE' 2 'SOME SCIENTIFIC EVIDENCE'
            3 'LITTLE OR NO SCIENTIFIC EVIDENCE' 8 'DO NOT KNOW' 9 'REFUSED'
            /
pub1a       1 'DIRECT RESULT OF HUMAN ACTIVITY'
            2 'BOTH HUMAN ACTIVITY AND NATURALLY OCCURRING CHANGES'
            3 'DIRECT RESULT OF NATURALLY OCCURRING CHANGES' 8 'DO NOT KNOW'
            9 'REFUSED' /
pub2        1 'A SERIOUS THREAT' 2 'SOMEWHAT OF A THREAT'
            3 'LITTLE OR NO THREAT' 8 'DO NOT KNOW' 9 'REFUSED' /
pub2a       1 'HIGH PRIORITY' 2 'MODERATE PRIORITY' 3 'LOW PRIORITY'
            8 'DO NOT KNOW' 9 'REFUSED' /
pub3        1 'LITTLE OR NO RISKS' 2 'SOME RISKS - BUT WORTH THE RISKS'
            3 'SIGNIFICANT RISKS' 8 'DO NOT KNOW' 9 'REFUSED' /
pub3a       1 'MUCH SAFER' 2 'SOMEWHAT SAFER' 3 'NOT AT ALL SAFER'
            8 'DO NOT KNOW' 9 'REFUSED' /
pub4        8 'DO NOT KNOW' 9 'REFUSED' /
pub4a       1 'PUBLIC-MAINSTREAM RADIO' 2 'TALK RADIO'
            3 'RELIGIOUS RADIO STATION'
            7 'OTHER RADIO STATION: COMBINATION, ALL, ETC' 8 'DO NOT KNOW'
            9 'REFUSED' /
pub4b       1 'TRADITIONAL TELEVISION STATIONS -ABC, NBC, CBS'
            2 'CABLE -CNN, MSNBC' 3 'CABLE -FOX'
            5 'PUBLIC TELEVISION STATIONS PBS'
            6 'OTHER TELEVISION STATIONS: COMBINATION, ALL ETC'
            7 'OTHER CABLE STATIONS: NOT FOX, CNN, MSNBC' 8 'DO NOT KNOW'
            9 'REFUSED' /
pub4c       1 'NATIONAL NEWSPAPER' 2 'MICHIGAN-WIDE BASED NEWSPAPER'
            3 'LOCAL NEWSPAPER' 4 'COMMUNITY NEWSPAPER'
            7 'OTHER NEWSPAPER: COMBINATION, ALL, ETC' 8 'DO NOT KNOW'
            9 'REFUSED' /
pub4d       1 'TIME' 2 'NEWSWEEK' 3 'US NEWS AND WORLD REPORT'
            7 'OTHER MAGAZINE: COMBINATION, ALL, ETC' 8 'DO NOT KNOW'
            9 'REFUSED' /
pub4e       1 'CNN.COM' 2 'MSN.COM' 3 'FOX.COM' 4 'YAHOO.COM' 5 'GOOGLE.COM'
            6 'FACEBOOK.COM' 7 'OTHER WEBSITE: COMBINATION, ALL, ETC'
            8 'DO NOT KNOW' 9 'REFUSED' /
pub5        1 'STRONGLY AGREE' 2 'SOMEWHAT AGREE'
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            3 'NEITHER AGREE OR DISAGREE' 4 'SOMEWHAT DISAGREE'
            5 'STRONGLY DISAGREE' 8 'DO NOT KNOW' 9 'REFUSED' /
pub6        1 'STRONGLY AGREE' 2 'SOMEWHAT AGREE'
            3 'NEITHER AGREE OR DISAGREE' 4 'SOMEWHAT DISAGREE'
            5 'STRONGLY DISAGREE' 8 'DO NOT KNOW' 9 'REFUSED' /
pub7        1 'STRONGLY AGREE' 2 'SOMEWHAT AGREE'
            3 'NEITHER AGREE OR DISAGREE' 4 'SOMEWHAT DISAGREE'
            5 'STRONGLY DISAGREE' 8 'DO NOT KNOW' 9 'REFUSED' /
pub8        1 'STRONGLY AGREE' 2 'SOMEWHAT AGREE'
            3 'NEITHER AGREE OR DISAGREE' 4 'SOMEWHAT DISAGREE'
            5 'STRONGLY DISAGREE' 8 'DO NOT KNOW' 9 'REFUSED' /
pub10       1 'STRONGLY AGREE' 2 'SOMEWHAT AGREE'
            3 'NEITHER AGREE OR DISAGREE' 4 'SOMEWHAT DISAGREE'
            5 'STRONGLY DISAGREE' 8 'DO NOT KNOW' 9 'REFUSED' /
pub11       1 'STRONGLY AGREE' 2 'SOMEWHAT AGREE'
            3 'NEITHER AGREE OR DISAGREE' 4 'SOMEWHAT DISAGREE'
            5 'STRONGLY DISAGREE' 8 'DO NOT KNOW' 9 'REFUSED' /
pub12       1 'STRONGLY AGREE' 2 'SOMEWHAT AGREE'
            3 'NEITHER AGREE OR DISAGREE' 4 'SOMEWHAT DISAGREE'
            5 'STRONGLY DISAGREE' 8 'DO NOT KNOW' 9 'REFUSED' /
pub13       1 'FEDERAL GOVERNMENT' 2 'BUSINESS AND INDUSTRY'
            3 'PRIVATE INDIVIDUALS' 8 'DO NOT KNOW' 9 'REFUSED' /
pub17a      1 'VERY TRUSTWORTHY' 2 'SOMEWHAT TRUSTWORTHY'
            3 'NOT VERY TRUSTWORTHY' 4 'NOT TRUSTWORTHY AT ALL'
            8 'DO NOT KNOW' 9 'REFUSED' /
pub17b      1 'VERY TRUSTWORTHY' 2 'SOMEWHAT TRUSTWORTHY'
            3 'NOT VERY TRUSTWORTHY' 4 'NOT TRUSTWORTHY AT ALL'
            8 'DO NOT KNOW' 9 'REFUSED' /
pub17c      1 'VERY TRUSTWORTHY' 2 'SOMEWHAT TRUSTWORTHY'
            3 'NOT VERY TRUSTWORTHY' 4 'NOT TRUSTWORTHY AT ALL'
            8 'DO NOT KNOW' 9 'REFUSED' /
pub17d      1 'VERY TRUSTWORTHY' 2 'SOMEWHAT TRUSTWORTHY'
            3 'NOT VERY TRUSTWORTHY' 4 'NOT TRUSTWORTHY AT ALL'
            8 'DO NOT KNOW' 9 'REFUSED' /
pub17e      1 'VERY TRUSTWORTHY' 2 'SOMEWHAT TRUSTWORTHY'
            3 'NOT VERY TRUSTWORTHY' 4 'NOT TRUSTWORTHY AT ALL'
            8 'DO NOT KNOW' 9 'REFUSED' /
pub18       0 'NONE, NO OUTDOOR ACTIVITIES' 2 'GARDENING'
            3 'NATURE WATCHING (i.e. bird watching, etc)' 4 'WOOD WORKING'
            5 'HUNTING' 6 'FISHING' 7 'GOLFING'
            8 'BOATING/KAYAKING/JETSKIING (i.e. water related sports)'
            9 'RUNNING, JOGGING'
            10 'WINTER SPORTS (i.e. skiing, snowboarding, sledding)'
            11 'MOTORIZED SPORTS (i.e. motorcycle riding, motorcross,'
            12 'YARD WORK/HOME MAINTENANCE'
            13 'WALKING - DOG WALKING/PLAYING DOGS' 14 'BIKING' 15 'HIKING'
            97 'MISCELLANEOUS: OTHER' 98 'DO NOT KNOW' 99 'REFUSED' /
pub18a1     0 'NONE, NO OUTDOOR ACTIVITIES' 2 'GARDENING'
            3 'NATURE WATCHING (i.e. bird watching, etc)' 4 'WOOD WORKING'
            5 'HUNTING' 6 'FISHING' 7 'GOLFING'
            8 'BOATING/KAYAKING/JETSKIING (i.e. water related sports)'
            9 'RUNNING, JOGGING'
            10 'WINTER SPORTS (i.e. skiing, snowboarding, sledding)'
            11 'MOTORIZED SPORTS (i.e. motorcycle riding, motorcross,'
            12 'YARD WORK/HOME MAINTENANCE'
            13 'WALKING - DOG WALKING/PLAYING DOGS' 14 'BIKING' 15 'HIKING'
            95 'NO MORE MENTIONED' 97 'MISCELLANEOUS: OTHER'
            98 'DO NOT KNOW' 99 'REFUSED' /
green1      1 'OWN' 2 'RENT' 3 'OTHER: SPECIFY' 8 'DO NOT KNOW' 9 'REFUSED'
            /
green2      1 'VERY LIKELY' 2 'SOMEWHAT LIKELY'
            3 'NEITHER LIKELY OR UNLIKELY' 4 'SOMEWHAT UNLIKELY'
            5 'VERY UNLIKELY' 8 'DO NOT KNOW' 9 'REFUSED' /
green3      1 'VERY LIKELY' 2 'SOMEWHAT LIKELY'
            3 'NEITHER LIKELY OR UNLIKELY' 4 'SOMEWHAT UNLIKELY'
            5 'VERY UNLIKELY' 8 'DO NOT KNOW' 9 'REFUSED' /
green4      1 'VERY LIKELY' 2 'SOMEWHAT LIKELY'
            3 'NEITHER LIKELY OR UNLIKELY' 4 'SOMEWHAT UNLIKELY'
            5 'VERY UNLIKELY' 8 'DO NOT KNOW' 9 'REFUSED' /
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green5     1 'A LOT' 2 'KNOW A LITTLE' 3 'NEVER HEARD OF GREEN ROOFS'
           8 'DO NOT KNOW' 9 'REFUSED' /
green5v2   1 'A LOT' 2 'KNOW A LITTLE' 3 'NEVER HEARD OF GREEN ROOFS'
           8 'DO NOT KNOW' 9 'REFUSED' /
green6     1 'SNOW/WEATHER CONCERNS'
           2 'LOOKS/AESTHETICS/ODD APPEARANCE/UNATTRACTIVE'
           3 'EFFECT ON PROPERTY VALUES'
           4 'LACK OF INFORMATION/NEVER HEARD OF THEM'
           5 'MAINTENANCE CONCERNS/TROUBLE MAINTAINING THEM'
           6 'IMPRACTICAL IN MICHIGAN' 7 'EXPENSE/COST/AFFORDABILITY'
           8 'LEGAL CONCERNS/ZONING CONCERNS'
           9 'USE SPECIFIC ROOF TYPES (i.e. FLAT ROOFS)'
           10 'EXTREME ENVIRONMENTALISM' 11 'POOR USE TAX DOLLARS'
           97 'MISCELLANEOUS: OTHER' 98 'DO NOT KNOW' 99 'REFUSED' /
green6a    1 'SNOW/WEATHER CONCERNS'
           2 'LOOKS/AESTHETICS/ODD APPEARANCE/UNATTRACTIVE'
           3 'EFFECT ON PROPERTY VALUES'
           4 'LACK OF INFORMATION/NEVER HEARD OF THEM'
           5 'MAINTENANCE CONCERNS/TROUBLE MAINTAINING THEM'
           6 'IMPRACTICAL IN MICHIGAN' 7 'EXPENSE/COST/AFFORDABILITY'
           8 'LEGAL CONCERNS/ZONING CONCERNS'
           9 'USE SPECIFIC ROOF TYPES (i.e. FLAT ROOFS)'
           10 'EXTREME ENVIRONMENTALISM' 11 'POOR USE TAX DOLLARS'
           97 'MISCELLANEOUS: OTHER' 98 'DO NOT KNOW' 99 'REFUSED' /
green7     1 'STRONGLY FAVOR' 2 'SOMEWHAT FAVOR'
           3 'NEITHER FAVOR OR OPPOSE : R VOLUNTEERS' 4 'SOMEWHAT OPPOSE'
           5 'STRONGLY OPPOSE' 8 'DO NOT KNOW' 9 'REFUSED' /
green8     1 'STRONGLY FAVOR' 2 'SOMEWHAT FAVOR'
           3 'NEITHER FAVOR OR OPPOSE : R VOLUNTEERS' 4 'SOMEWHAT OPPOSE'
           5 'STRONGLY OPPOSE' 8 'DO NOT KNOW' 9 'REFUSED' /
green9     1 'STRONGLY FAVOR' 2 'SOMEWHAT FAVOR'
           3 'NEITHER FAVOR OR OPPOSE : R VOLUNTEERS' 4 'SOMEWHAT OPPOSE'
           5 'STRONGLY OPPOSE' 8 'DO NOT KNOW' 9 'REFUSED' /
green10    1 'VERY LIKELY' 2 'SOMEWHAT LIKELY'
           3 'NEITHER LIKELY OR UNLIKELY: R VOLUNTEERS' 4 'VERY UNLIKELY'
           8 'DO NOT KNOW' 9 'REFUSED' /
ams1       1 'EXTREMELY IMPORTANT' 2 'VERY IMPORTANT'
           3 'SOMEWHAT IMPORTANT' 4 'NOT THAT IMPORTANT'
           5 'NOT IMPORTANT AT ALL' 8 'DO NOT KNOW' 9 'REFUSED' /
ams2       1 'BETTER ROADS AND HIGHWAYS: (fix potholes, secure bridges,'
           2 'MORE OR BETTER PUBLIC TRANSPORTATION'
           3 'LESS TRAFFIC/CONGESTION'
           4 'TRAINS/EXPAND TRAIN TRAVEL/RAPID TRANSIT SYSTEMS'
           5 'AIR TRAVEL ISSUES/TOO EXPENSIVE'
           6 'SAFETY CONCERNS/FAST DRIVING/UNSAFE DRIVING'
           7 'NONE, NO IMPROVEMENTS NEEDED' 90 'OTHER: MISCELLANEOUS'
           98 'DO NOT KNOW' 99 'REFUSED' /
ams6a      1 'STRONGLY AGREE' 2 'SOMEWHAT AGREE' 3 'NEITHER AGREE/DISAGREE'
           4 'SOMEWHAT DISAGREE' 5 'STRONGLY DISAGREE' 8 'DO NOT KNOW'
           9 'REFUSED' /
ams6b      1 'STRONGLY AGREE' 2 'SOMEWHAT AGREE' 3 'NEITHER AGREE/DISAGREE'
           4 'SOMEWHAT DISAGREE' 5 'STRONGLY DISAGREE' 8 'DO NOT KNOW'
           9 'REFUSED' /
ams6c      1 'STRONGLY AGREE' 2 'SOMEWHAT AGREE' 3 'NEITHER AGREE/DISAGREE'
           4 'SOMEWHAT DISAGREE' 5 'STRONGLY DISAGREE' 8 'DO NOT KNOW'
           9 'REFUSED' /
ams3       1 'STRONGLY AGREE' 2 'SOMEWHAT AGREE' 3 'NEITHER AGREE/DISAGREE'
           4 'SOMEWHAT DISAGREE' 5 'STRONGLY DISAGREE' 8 'DO NOT KNOW'
           9 'REFUSED' /
ams4       1 'STRONGLY AGREE' 2 'SOMEWHAT AGREE' 3 'NEITHER AGREE/DISAGREE'
           4 'SOMEWHAT DISAGREE' 5 'STRONGLY DISAGREE' 8 'DO NOT KNOW'
           9 'REFUSED' /
ams5       1 'STRONGLY AGREE' 2 'SOMEWHAT AGREE' 3 'NEITHER AGREE/DISAGREE'
           4 'SOMEWHAT DISAGREE' 5 'STRONGLY DISAGREE' 8 'DO NOT KNOW'
           9 'REFUSED' /
ams9       1 'STRONGLY FAVOR' 2 'SOMEWHAT FAVOR' 3 'NEITHER FAVOR/OPPOSE'
           4 'SOMEWHAT OPPOSE' 5 'STRONGLY OPPOSE' 8 'DO NOT KNOW'
           9 'REFUSED' /
ams8       1 'YES' 5 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
```

```
spnk1a      1 'YES' 5 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
spnk1b      1 'YES' 5 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
spnk4       1 'YES' 5 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
spnk4a      1 'YES' 5 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
spnk4b      1 'YES' 5 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
spnk4c      1 'YES' 5 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
spnk2       1 'YES' 5 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
spnk2a      1 'TIMES' 50 'TIMES' 98 'DO NOT KNOW' 99 'REFUSED' /
spnk2b      1 'YES' 5 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
spnk2c      1 'YES' 5 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
spnk2d      1 'YES' 5 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
spnk2e      1 'YES' 5 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
spnk2f      1 'YES' 5 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
spnk2g      1 'YES' 5 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
spnk2h      1 'NONE, NO OTHER WAYS' 90 'MISCELLANEOUS: OTHERS'
            98 'DO NOT KNOW' 99 'REFUSED' /
spnk3       1 'YES' 5 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
spnk3a      1 'REPLACING AN EXPIRED PRESCRIPTION'
            2 'SELF-MEDICATING FOR A COMMON MEDICAL CONDITION'
            3 'TO BUY A SLEEP AID'
            4 'BIRTH CONTROL PILLS WITHOUT SOMEONE''S KNOWLEDGE'
            5 'BUY LIFESTYLE MEDICATION' 6 'TO AID CONCENTRATION'
            7 'TO AID SPORTS PERFORMANCE' 8 'RECREATIONAL USE'
            98 'DO NOT KNOW' 99 'REFUSED' /
img2        1 'STRONGLY AGREE' 2 'SOMEWHAT AGREE' 3 'NEITHER AGREE/DISAGREE'
            4 'SOMEWHAT DISAGREE' 5 'STRONGLY DISAGREE' 8 'DO NOT KNOW'
            9 'REFUSED' /
img3        1 'STRONGLY AGREE' 2 'SOMEWHAT AGREE' 3 'NEITHER AGREE/DISAGREE'
            4 'SOMEWHAT DISAGREE' 5 'STRONGLY DISAGREE' 8 'DO NOT KNOW'
            9 'REFUSED' /
img4        1 'STRONGLY AGREE' 2 'SOMEWHAT AGREE' 3 'NEITHER AGREE/DISAGREE'
            4 'SOMEWHAT DISAGREE' 5 'STRONGLY DISAGREE' 8 'DO NOT KNOW'
            9 'REFUSED' /
img5        1 'STRONGLY AGREE' 2 'SOMEWHAT AGREE' 3 'NEITHER AGREE/DISAGREE'
            4 'SOMEWHAT DISAGREE' 5 'STRONGLY DISAGREE' 8 'DO NOT KNOW'
            9 'REFUSED' /
CD1         1 'MALE' 2 'FEMALE' /
CD2         8 'DO NOT KNOW' 9 'REFUSED' /
img1        1 'YES' 5 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
CD3         0 'DID NOT GO TO SCHOOL' 1 '1st GRADE' 2 '2nd GRADE'
            3 '3rd GRADE' 4 '4th GRADE' 5 '5th GRADE' 6 '6th GRADE'
            7 '7th GRADE' 8 '8th GRADE' 9 '9th GRADE' 10 '10th GRADE'
            11 '11th GRADE' 12 'HIGH SCHOOL GRADUATE OR GED HOLDER'
            13 '1st YEAR COLLEGE' 14 '2nd YEAR COLLEGE'
            15 '3rd YEAR COLLEGE' 16 'COLLEGE GRADUATE (FOUR YEARS)'
            17 'SOME POST GRADUATE' 18 'GRADUATE DEGREE'
            20 'TECHNICAL/JUNIOR COLLEGE GRADUATE' /
CD3a        1 'YES' 5 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
CD3b        1 'YES' 5 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
CD5a        1 'YES-HISPANIC/LATINO/SPANISH ORIGIN'
            5 'NO-NOT HISPANIC/LATINO/SPANISH ORIGIN' /
CD4a@a      1 'YES' 5 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
CD4a@b      1 'YES' 5 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
CD4a@c      1 'YES' 5 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
CD4a@d      1 'YES' 5 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
CD4a@e      1 'YES' 5 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
CD4a@f      1 'YES' 5 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
CD6         0 'NONE; NO RELIGIOUS GROUP'
            1 'CATHOLIC; ROMAN CATHOLIC, ORTHODOX' 2 'ISLAMIC/MUSLIM'
            3 'JEWISH' 4 'PROTESTANT' 5 'OTHER NON-CHRISTIAN'
            6 'OTHER CHRISTIAN' 7 'OTHER RELIGION: UNABLE TO CLASSIFY'
            98 'DO NOT KNOW' 99 'REFUSED' /
CD7@a       1 'REPUBLICAN' 4 'INDEPENDENT' 7 'DEMOCRAT' 8 'DO NOT KNOW'
            9 'REFUSED' /
CD7@b       1 'STRONGLY REPUBLICAN' 2 'NOT VERY STRONG REPUBLICAN'
            8 'DO NOT KNOW' 9 'REFUSED' /
CD7@c       6 'NOT VERY STRONG DEMOCRAT' 7 'STRONG DEMOCRAT' 8 'DO NOT KNOW'
            9 'REFUSED' /
CD7@d       3 'REPUBLICAN' 4 'NEITHER' 5 'DEMOCRAT' 8 'DO NOT KNOW'
```

```
            9 'REFUSED' /
    partyid   0 'OTHER PARTY, OTHER' 1 'strong republican'
              2 'not strong republican' 3 'lean republican' 4 'neither'
              5 'lean democrat' 6 'not strong democrat' 7 'strong democrat'
              8 'DON''T KNOW' 9 'REFUSED' /
    P17@a     1 'CONSERVATIVE' 4 'NEITHER' 7 'LIBERAL' 8 'DO NOT KNOW'
              9 'REFUSED' /
    P17@b     1 'VERY CONSERVATIVE' 2 'SOMEWHAT CONSERVATIVE' 8 'DO NOT KNOW'
              9 'REFUSED' /
    P17@c     6 'SOMEWHAT LIBERAL' 7 'VERY LIBERAL' 8 'DO NOT KNOW'
              9 'REFUSED' /
    P17@d     3 'CLOSER CONSERVATIVE' 4 'IN THE MIDDLE' 5 'CLOSER LIBERAL'
              8 'DO NOT KNOW' 9 'REFUSED' /
    ideology  0 'OTHER' 1 'very conservative' 2 'somewhat conservative'
              3 'lean conservative' 4 'middle' 5 'lean liberal'
              6 'somewhat liberal' 7 'very liberal' 8 'DON''T KNOW'
              9 'REFUSED' /
    CD8       1 'MARRIED, REMARRIED' 2 'DIVORCED' 3 'SEPARATED' 4 'WIDOWED'
              5 'MEMBER OF AN UNMARRIED COUPLE' 6 'SINGLE, NEVER BEEN MARRIED'
              7 'OTHER: UNABLE TO CLASSIFY' /
    CD15      1 'WORK FULL TIME' 2 'WORK PART TIME' 3 'WORK AND GO TO SCHOOL'
              4 'THE ARMED FORCES' 5 'HAVE A JOB, BUT NOT AT WORK LAST WEEK'
              6 'UNEMPLOYED, LAID OFF, LOOK FOR WORK' 7 'RETIRED'
              8 'SCHOOL FULL TIME' 9 'HOMEMAKER' 10 'DISABLED'
              97 'OTHER: UNABLE TO CLASSIFY' /
    UN1       1 'YES' 5 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
    UN2       1 'YES' 5 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
    UN3       1 'YES' 5 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
    inca      1 'YES' 5 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
    incb      1 'YES' 5 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
    incca     1 'YES' 5 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
    incc      1 'YES' 5 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
    incd      1 'YES' 5 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
    incf      1 'YES' 5 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
    incg      1 'YES' 5 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
    inch      1 'YES' 5 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
    incha     1 'YES' 5 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
    inci      1 'YES' 5 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
    X1        1 'RURAL COMMUNITY' 2 'SMALL CITY OR TOWN, VILLAGE' 3 'A SUBURB'
              4 'URBAN COMMUNITY' 7 'OTHER: UNABLE TO CLASSIFY' /
    RI        1 'YES' 5 'NO' /
    PO1       1 'EXCELLENT' 2 'GOOD' 3 'FAIR' 4 'POOR' 8 'DO NOT KNOW'
              9 'REFUSED' /
    PO2       1 'EXCELLENT' 2 'GOOD' 3 'FAIR' 4 'POOR' 8 'DO NOT KNOW'
              9 'REFUSED' /
    .

COMMENT  md, min and max specifications were translated into the
COMMENT following "MISSING VALUES" commands and "IF" statements:.

MISSING VALUES  CC1 (9,8).
MISSING VALUES  CC2 (9,8).
MISSING VALUES  CC3 (9,8).
MISSING VALUES  CC4 (9,8).
MISSING VALUES  CC5 (9,8).
MISSING VALUES  CC6 (9,8).
MISSING VALUES  pure1 (9,8).
MISSING VALUES  pure2a (9,8).
MISSING VALUES  pure2b (9,8).
MISSING VALUES  pure2c (9,8).
MISSING VALUES  pure2d (9,8).
MISSING VALUES  pure2e (9,8).
MISSING VALUES  pure2f (9,8).
MISSING VALUES  pure2g (9,8).
MISSING VALUES  pure2h (9,8).
MISSING VALUES  pure3a (9,8).
MISSING VALUES  pure3b (9,8).
MISSING VALUES  pure3c (9,8).
MISSING VALUES  pure3d (9,8).
```

```
MISSING VALUES   pure3e (9,8).
MISSING VALUES   pure3f (99,98).
MISSING VALUES   pure4 (9,8).
MISSING VALUES   pure5a (9,8).
MISSING VALUES   pure5b (9,8).
MISSING VALUES   pure5c (9,8).
MISSING VALUES   pure5d (9,8).
MISSING VALUES   pure5e (9,8).
MISSING VALUES   pure6a (9,8).
MISSING VALUES   pure6b (9,8).
MISSING VALUES   pure6c (9,8).
MISSING VALUES   pure6d (9,8).
MISSING VALUES   pub1 (9,8).
MISSING VALUES   pub1a (9,8).
MISSING VALUES   pub2 (9,8).
MISSING VALUES   pub2a (9,8).
MISSING VALUES   pub3 (9,8).
MISSING VALUES   pub3a (9,8).
MISSING VALUES   pub4 (9,8).
MISSING VALUES   pub4a (9,8).
MISSING VALUES   pub4b (9,8).
MISSING VALUES   pub4c (9,8).
MISSING VALUES   pub4d (9,8).
MISSING VALUES   pub4e (9,8).
MISSING VALUES   pub5 (9,8).
MISSING VALUES   pub6 (9,8).
MISSING VALUES   pub7 (9,8).
MISSING VALUES   pub8 (9,8).
MISSING VALUES   pub10 (9,8).
MISSING VALUES   pub11 (9,8).
MISSING VALUES   pub12 (9,8).
MISSING VALUES   pub13 (9,8).
MISSING VALUES   pub17a (9,8).
MISSING VALUES   pub17b (9,8).
MISSING VALUES   pub17c (9,8).
MISSING VALUES   pub17d (9,8).
MISSING VALUES   pub17e (9,8).
MISSING VALUES   pub18 (99,98).
MISSING VALUES   pub18a1 (99,95).
MISSING VALUES   green1 (9,8).
MISSING VALUES   green2 (9,8).
MISSING VALUES   green3 (9,8).
MISSING VALUES   green4 (9,8).
MISSING VALUES   green5 (9,8).
MISSING VALUES   green5v2 (9,8).
MISSING VALUES   green6 (99,98).
MISSING VALUES   green6a (99,98).
MISSING VALUES   green7 (9,8).
MISSING VALUES   green8 (9,8).
MISSING VALUES   green9 (9,8).
MISSING VALUES   green10 (9,8).
MISSING VALUES   ams1 (9,8).
MISSING VALUES   ams2 (99,98).
MISSING VALUES   ams6a (9,8).
MISSING VALUES   ams6b (9,8).
MISSING VALUES   ams6c (9,8).
MISSING VALUES   ams3 (9,8).
MISSING VALUES   ams4 (9,8).
MISSING VALUES   ams5 (9,8).
MISSING VALUES   ams9 (9,8).
MISSING VALUES   ams8 (9,8).
MISSING VALUES   spnk1a (9,8).
MISSING VALUES   spnk1b (9,8).
MISSING VALUES   spnk4 (9,8).
MISSING VALUES   spnk4a (9,8).
MISSING VALUES   spnk4b (9,8).
MISSING VALUES   spnk4c (9,8).
MISSING VALUES   spnk2 (9,8).
MISSING VALUES   spnk2a (99,98).
```

```
MISSING VALUES   spnk2b (9,8).
MISSING VALUES   spnk2c (9,8).
MISSING VALUES   spnk2d (9,8).
MISSING VALUES   spnk2e (9,8).
MISSING VALUES   spnk2f (9,8).
MISSING VALUES   spnk2g (9,8).
MISSING VALUES   spnk2h (99,98).
MISSING VALUES   spnk3 (9,8).
MISSING VALUES   spnk3a (99,98).
MISSING VALUES   img2 (9,8).
MISSING VALUES   img3 (9,8).
MISSING VALUES   img4 (9,8).
MISSING VALUES   img5 (9,8).
MISSING VALUES   img1 (9,8).
MISSING VALUES   CD3 (99,98).
MISSING VALUES   CD3a (9,8).
MISSING VALUES   CD3b (9,8).
MISSING VALUES   CD5a (9,8).
MISSING VALUES   CD4a@a (9,8).
MISSING VALUES   CD4a@b (9,8).
MISSING VALUES   CD4a@c (9,8).
MISSING VALUES   CD4a@d (9,8).
MISSING VALUES   CD4a@e (9,8).
MISSING VALUES   CD4a@f (9,8).
MISSING VALUES   CD6 (99,98).
MISSING VALUES   CD7@a (9,8).
MISSING VALUES   CD7@b (9,8).
MISSING VALUES   CD7@c (9,8).
MISSING VALUES   CD7@d (9,8).
MISSING VALUES   partyid (8,9).
MISSING VALUES   P17@a (9,8).
MISSING VALUES   P17@b (9,8).
MISSING VALUES   P17@c (9,8).
MISSING VALUES   P17@d (9,8).
MISSING VALUES   ideology (9,8).
MISSING VALUES   CD8 (9,8).
MISSING VALUES   CD15 (99,98).
MISSING VALUES   UN1 (9,8).
MISSING VALUES   UN2 (9,8).
MISSING VALUES   UN3 (9,8).
MISSING VALUES   inca (9,8).
MISSING VALUES   incb (9,8).
MISSING VALUES   incca (9,8).
MISSING VALUES   incc (9,8).
MISSING VALUES   incd (9,8).
MISSING VALUES   incf (9,8).
MISSING VALUES   incg (9,8).
MISSING VALUES   inch (9,8).
MISSING VALUES   incha (9,8).
MISSING VALUES   inci (9,8).
MISSING VALUES   X1 (9,8).
MISSING VALUES   RI (9,8).
MISSING VALUES   PO1 (9,8).
MISSING VALUES   PO2 (9,8).
```

14. WEIGHTING COMMANDS

```
* RECALL SAMPLE.
compute sample=1.
value labels sample 1 'S57 re-interviews'  2 'S59 fresh RDD'.
freq var=sample.

compute newregn2=0.
if (cnty=26049 or cnty=26087 or cnty=26091 or cnty=26093 or cnty=26099 or cnty=26115)newregn2=6.
if (cnty=26125 or cnty=26147 or cnty=26161 or cnty=26163)newregn2=6.

if (cnty=26021  or cnty=26023  or cnty=26025  or cnty=26027 or cnty=26045)newregn2=5.
if (cnty=26059  or cnty=26065  or cnty=26075  or cnty=26077 or cnty=26149)newregn2=5.
if (cnty=26159)newregn2=5.

if (cnty=26005  or cnty=26015  or cnty=26067  or cnty=26081 or cnty=26085)newregn2=3.
if (cnty=26101  or cnty=26105  or cnty=26107  or cnty=26117 or cnty=26121)newregn2=3.
if (cnty=26123  or cnty=26127  or cnty=26133  or cnty=26139)newregn2=3.

if (cnty=26011  or cnty=26017  or cnty=26035  or cnty=26037 or cnty=26051)newregn2=4.
if (cnty=26057  or cnty=26063  or cnty=26073  or cnty=26111 or cnty=26145)newregn2=4.
if (cnty=26151  or cnty=26155  or cnty=26157)newregn2=4.

if (cnty=26001  or cnty=26007  or cnty=26009  or cnty=26019 or cnty=26029)newregn2=2.
if (cnty=26031  or cnty=26039  or cnty=26047  or cnty=26055 or cnty=26069)newregn2=2.
if (cnty=26079  or cnty=26089  or cnty=26113  or cnty=26119 or cnty=26129)newregn2=2.
if (cnty=26137  or cnty=26135  or cnty=26141  or cnty=26143 or cnty=26165)newregn2=2.

if (cnty=26003  or cnty=26013  or cnty=26033  or cnty=26041 or cnty=26043)newregn2=1.
if (cnty=26053  or cnty=26061  or cnty=26071  or cnty=26083 or cnty=26095)newregn2=1.
if (cnty=26097  or cnty=26103  or cnty=26109  or cnty=26131 or cnty=26153)newregn2=1.
if (regn=7)newregn2=7.

value labels regn newregn2 1 'UP' 2 'N. LP' 3 'W. Central' 4 'E. Central' 5 'Southwest' 6 'Southeast'
7 'Detroit'.
freq var=newregn2.
crosstab table=regn by newregn2.

if (regn ne newregn2)regn=newregn2.
freq var=regn listed.

weight off.
compute listwt=1.
if (sample=1 and listed=2)listwt=11.0444.
*TRIM weight to 10.
*if (sample=1 and listed=2)listwt=10.000.
if (sample=1 and (listed=1 or listed=3))listwt=0.6713.
weight by listwt.
freq var=listed regn.

compute tempwt=listwt*10.
weight by tempwt.
*weight off.
missing values cd26 ().
frequencies variables=cd26.


*    This weights households by number of phone lines.
do if (sample=1).
compute phwt=listwt.

if (cd26 eq 1 or cd26 ge 8)phwt=1.0595*listwt.
if (cd26 eq 2)phwt=0.5297*listwt.
if (cd26 eq 3)phwt=0.3532*listwt.
if (cd26 eq 4)phwt=0.250*listwt.
if (cd26 eq 5)phwt=0.2119*listwt.
if (cd26 eq 6)phwt=1*listwt.
if (cd26 eq 7)phwt=1*listwt.
end if.
weight by phwt.
FREQUENCIES
  VARIABLES= CD10 cd26 .

compute roundwt=10*phwt.
```

```
weight by roundwt.
freq var=cd10.

missing values cd10 ().
recode cd10 (sysmis=1).
compute adults=cd10.

freq var=adults cd10.
*   This adjusts weight by number of adults in the household.
do if (sample=1).
*compute adltwt=adults*phwt.
if (cd10=1)adltwt=phwt*0.5408.
if (cd10=2)adltwt=phwt*1.0817.
if (cd10=3)adltwt=phwt*1.6225.
if (cd10=4)adltwt=phwt*2.1634.
if (cd10=5)adltwt=phwt*2.7042.
if (cd10=6)adltwt=phwt*3.2451.
if (cd10=7)adltwt=phwt*1.
if (cd10=8)adltwt=phwt*1.
if (cd10=9)adltwt=phwt*0.5408.
if (cd10=10)adltwt=phwt*1.
end if.
weight by adltwt.
freq var=cd10.

*************SAVE and THEN MERGE RECALL FILE AND WEIGHT TO DEMOGRAPHIC CHARACTERISTICS AND POST-STRAT
CORRECT.

compute sample=2.
value labels sample 1 'S57 re-interviews'  2 'S59 fresh RDD'.
freq var=sample.

compute newregn2=0.
if (cnty=26049 or cnty=26087 or cnty=26091 or cnty=26093 or cnty=26099 or cnty=26115)newregn2=6.
if (cnty=26125 or cnty=26147 or cnty=26161 or cnty=26163)newregn2=6.
if (cnty=26021  or cnty=26023  or cnty=26025  or cnty=26027 or cnty=26045)newregn2=5.
if (cnty=26059  or cnty=26065  or cnty=26075  or cnty=26077 or cnty=26149)newregn2=5.
if (cnty=26159)newregn2=5.

if (cnty=26005  or cnty=26015  or cnty=26067  or cnty=26081 or cnty=26085)newregn2=3.
if (cnty=26101  or cnty=26105  or cnty=26107  or cnty=26117 or cnty=26121)newregn2=3.
if (cnty=26123  or cnty=26127  or cnty=26133  or cnty=26139)newregn2=3.

if (cnty=26011  or cnty=26017  or cnty=26035  or cnty=26037 or cnty=26051)newregn2=4.
if (cnty=26057  or cnty=26063  or cnty=26073  or cnty=26111 or cnty=26145)newregn2=4.
if (cnty=26151  or cnty=26155  or cnty=26157)newregn2=4.

if (cnty=26001  or cnty=26007  or cnty=26009  or cnty=26019 or cnty=26029)newregn2=2.
if (cnty=26031  or cnty=26039  or cnty=26047  or cnty=26055 or cnty=26069)newregn2=2.
if (cnty=26079  or cnty=26089  or cnty=26113  or cnty=26119 or cnty=26129)newregn2=2.
if (cnty=26137  or cnty=26135  or cnty=26141  or cnty=26143 or cnty=26165)newregn2=2.

if (cnty=26003  or cnty=26013  or cnty=26033  or cnty=26041 or cnty=26043)newregn2=1.
if (cnty=26053  or cnty=26061  or cnty=26071  or cnty=26083 or cnty=26095)newregn2=1.
if (cnty=26097  or cnty=26103  or cnty=26109  or cnty=26131 or cnty=26153)newregn2=1.
if (regn=7)newregn2=7.

value labels regn newregn2 1 'UP' 2 'N. LP' 3 'W. Central' 4 'E. Central' 5 'Southwest' 6 'Southeast'
7 'Detroit'.
freq var=newregn2.
crosstab table=regn by newregn2.

recode regn (sysmis=9).
if (regn ne newregn2)regn=newregn2.
freq var=regn listed.

weight off.
do if (sample=2).
compute listwt=1.
if (sample=2 and listed=2)listwt=10.0891.
if (sample=2 and (listed=1 or listed=3))listwt=0.6734.
end if.
weight by listwt.
```

```
freq var=listed regn.

compute tempwt=listwt*10.
weight by tempwt.
*weight off.
missing values cd26 ().
freq var=cd26.


recode cd26 (sysmis=9).

*    This weights households by number of phone lines.
do if (sample=2).
compute phwt=listwt.
if (cd26 eq 1 or cd26 ge 8)phwt=1.0267*listwt.
if (cd26 eq 2)phwt=0.5134*listwt.
if (cd26 eq 3)phwt=0.3422*listwt.
if (cd26 eq 4)phwt=1*listwt.
if (cd26 eq 5)phwt=1*listwt.
if (cd26 eq 6)phwt=0.1711*listwt.
if (cd26 eq 7)phwt=0.1467*listwt.
end if.
weight by phwt.
FREQUENCIES
  VARIABLES= cd10  cd26.

compute roundwt=10*phwt.
weight by roundwt.
freq var=cd10.

missing values cd10 ().

recode cd10 (sysmis=1).
compute adults=cd10.

freq var=adults cd10.
*   This adjusts weight by number of adults in the household.
do if (sample=2).
compute adltwt=phwt.
if (cd10=1 or cd10=99)adltwt=phwt*0.5382.
if (cd10=2)adltwt=phwt*1.0764.
if (cd10=3)adltwt=phwt*1.6147.
if (cd10=4)adltwt=phwt*2.1529.
if (cd10=5)adltwt=phwt*2.6911.
if (cd10=6)adltwt=phwt*3.2293.
if (cd10=7)adltwt=phwt*1.
if (cd10=8)adltwt=phwt*1.0.
if (cd10=9)adltwt=phwt*1*phwt.
if (cd10=98)adltwt=phwt*1.
end if.
weight by adltwt.
freq var=cd10.

************SAVE and THEN MERGE RECALL FILE AND WEIGHT TO DEMOGRAPHIC CHARACTERISTICS AND POST-STRAT
CORRECT.

*compute roundwt=adltwt*.5341.
weight by roundwt.


recode x1 (98=8)(99=9).
frequencies variables=x1.

recode cd1 cd2 (sysmis=-9).
recode cd1 (2=5).
value labels cd1 1 'Male'  5 'Female'.

FREQUENCIES
  VARIABLES=cd1  cd2.

missing values cd2 ().
temporary.
select if (cd2=99 and sample=1).
```

```
freq var=caseid.

compute age=0.
if (cd2 gt 9 and cd2 le 92)age=110-cd2.
*if (cd2 gt 88 and cd2 lt 900)age=100+(100-cd2).
if (cd2 ge 98)age=0.
if (age=17)age=18.
if (age le 0)age=0.
if (age ge 18 and age lt 25)agecat=1.
if (age ge 25 and age lt 30)agecat=2.
if (age ge 30 and age lt 40)agecat=3.
if (age ge 40 and age lt 50)agecat=4.
if (age ge 50 and age lt 60)agecat=5.
if (age ge 60 and age lt 65)agecat=6.
if (age ge 65)agecat=7.
if (age le 17)agecat=9.
if (age eq 107)agecat=9.
missing values age (0)/agecat (9).

value labels agecat 1 '18 - 24 Yrs' 2 '25 - 29 Yrs' 3 '30 - 39 Yrs'
    4 '40 - 49 Yrs' 5 '50 - 59 Yrs' 6 '60 - 64 Yrs' 7 '65 or older' 9 'missing'.


freq var=age.
freq var=agecat.
freq var=regn.

compute rac3=0.
compute multrace=0.
count mult2=cd4@a to cd4@e (1).
if (mult2=0 and cd5a=1)races=1.
if (cd4@a=1 and mult2=1)races=1.
if (cd4@b=1 and mult2=1)races=2.
if (cd4@c=1 and mult2=1)races=3.
if (cd4@d=1 and mult2=1)races=4.
if (cd4@e=1 and mult2=1)races=5.
if (mult2 gt 1 and cd4@e=1)races=5.
if (mult2 gt 1 and cd4@d=1)races=4.
if (mult2 gt 1 and cd4@c=1)races=3.
if (mult2 gt 1 and cd4@b=1)races=2.
recode races (1=1)(2=2)(3,4,5=3) into rac3.
value labels races 1 'white' 2 'black' 3 'hawaiian, PI'
   4 'asian' 5 'indian'/rac3 1 'white' 2 'black' 3 'other'.
missing values rac3 ().
compute imprace=rac3.
if (imprace=0 and regn=7)imprace=2.
if (imprace=0 and regn lt 7)imprace=1.
value labels imprace 1 'white'  2 'black' 3 'other'.
freq var=imprace.
weight off.

freq var=listed.
compute adj1=adltwt.
compute ovrsamwt=adj1.
compute roundwt=ovrsamwt*10.
weight by roundwt.

frequencies variables=cd1.
*recode cd1 (1=1)(2=5).
frequencies variables=cd1.

CROSSTABS
  /TABLES=cd1 by imprace BY regn
  /FORMAT= AVALUE NOINDEX BOX LABELS TABLES
  /CELLS= COUNT.

*   This weights cases by gender, imprace and region.
compute racgenct=ovrsamwt.
if (imprace eq 1 and cd1 eq 1 and regn eq 1)racgenct=ovrsamwt*1.3103.
if (imprace eq 2 and cd1 eq 1 and regn eq 1)racgenct=ovrsamwt*1.
if (imprace eq 3 and cd1 eq 1 and regn eq 1)racgenct=ovrsamwt*0.8333.
if (imprace eq 1 and cd1 eq 5 and regn eq 1)racgenct=ovrsamwt*0.7762
if (imprace eq 2 and cd1 eq 5 and regn eq 1)racgenct=ovrsamwt*1.
```

```
if (imprace eq 3 and cd1 eq 5 and regn eq 1)racgenct=ovrsamwt*1.3237.

if (imprace eq 1 and cd1 eq 1 and regn eq 2)racgenct=ovrsamwt*1.1225
if (imprace eq 2 and cd1 eq 1 and regn eq 2)racgenct=ovrsamwt*1.
if (imprace eq 3 and cd1 eq 1 and regn eq 2)racgenct=ovrsamwt*1.
if (imprace eq 1 and cd1 eq 5 and regn eq 2)racgenct=ovrsamwt*0.9031.
if (imprace eq 2 and cd1 eq 5 and regn eq 2)racgenct=ovrsamwt*1.
if (imprace eq 3 and cd1 eq 5 and regn eq 2)racgenct=ovrsamwt*0.4002

if (imprace eq 1 and cd1 eq 1 and regn eq 3)racgenct=ovrsamwt*1.0221.
if (imprace eq 2 and cd1 eq 1 and regn eq 3)racgenct=ovrsamwt*6.6645
if (imprace eq 3 and cd1 eq 1 and regn eq 3)racgenct=ovrsamwt*0.5414.
if (imprace eq 1 and cd1 eq 5 and regn eq 3)racgenct=ovrsamwt*0.8927
if (imprace eq 2 and cd1 eq 5 and regn eq 3)racgenct=ovrsamwt*5.7272.
if (imprace eq 3 and cd1 eq 5 and regn eq 3)racgenct=ovrsamwt*5.7391.

if (imprace eq 1 and cd1 eq 1 and regn eq 4)racgenct=ovrsamwt*1.0065.
if (imprace eq 2 and cd1 eq 1 and regn eq 4)racgenct=ovrsamwt*1.
if (imprace eq 3 and cd1 eq 1 and regn eq 4)racgenct=ovrsamwt*0.4522.
if (imprace eq 1 and cd1 eq 5 and regn eq 4)racgenct=ovrsamwt*0.9195.
if (imprace eq 2 and cd1 eq 5 and regn eq 4)racgenct=ovrsamwt*4.5521.
if (imprace eq 3 and cd1 eq 5 and regn eq 4)racgenct=ovrsamwt*2.3249.

if (imprace eq 1 and cd1 eq 1 and regn eq 5)racgenct=ovrsamwt*1.1793.
if (imprace eq 2 and cd1 eq 1 and regn eq 5)racgenct=ovrsamwt*4.4381.
if (imprace eq 3 and cd1 eq 1 and regn eq 5)racgenct=ovrsamwt*1.
if (imprace eq 1 and cd1 eq 5 and regn eq 5)racgenct=ovrsamwt*0.7771
if (imprace eq 2 and cd1 eq 5 and regn eq 5)racgenct=ovrsamwt*1.9613.
if (imprace eq 3 and cd1 eq 5 and regn eq 5)racgenct=ovrsamwt*1.7367.

if (imprace eq 1 and cd1 eq 1 and regn eq 6)racgenct=ovrsamwt*1.2832.
if (imprace eq 2 and cd1 eq 1 and regn eq 6)racgenct=ovrsamwt*1.8015.
if (imprace eq 3 and cd1 eq 1 and regn eq 6)racgenct=ovrsamwt*0.2173.
if (imprace eq 1 and cd1 eq 5 and regn eq 6)racgenct=ovrsamwt*0.9837.
if (imprace eq 2 and cd1 eq 5 and regn eq 6)racgenct=ovrsamwt*0.5286.
if (imprace eq 3 and cd1 eq 5 and regn eq 6)racgenct=ovrsamwt*0.5874.

if (imprace eq 1 and cd1 eq 1 and regn eq 7)racgenct=ovrsamwt*0.4391.
if (imprace eq 2 and cd1 eq 1 and regn eq 7)racgenct=ovrsamwt*3.1739.
if (imprace eq 3 and cd1 eq 1 and regn eq 7)racgenct=ovrsamwt*1.
if (imprace eq 1 and cd1 eq 5 and regn eq 7)racgenct=ovrsamwt*0.2778.
if (imprace eq 2 and cd1 eq 5 and regn eq 7)racgenct=ovrsamwt*1.0538.
if (imprace eq 3 and cd1 eq 5 and regn eq 7)racgenct=ovrsamwt*1.

weight by racgenct.
CROSSTABS
  /TABLES=cd1 by imprace BY regn
  /FORMAT= AVALUE NOINDEX BOX LABELS TABLES
  /CELLS= COUNT tot.


compute roundwt=racgenct*10.
weight by roundwt.
crosstabs tables=agecat by regn/cells count.

compute agewt=racgenct.
if (agecat eq 1 and regn eq 1)agewt=racgenct*2.6688.
if (agecat eq 2 and regn eq 1)agewt=racgenct*1.
if (agecat eq 3 and regn eq 1)agewt=racgenct*18.1314.
if (agecat eq 4 and regn eq 1)agewt=racgenct*1.3479.
if (agecat eq 5 and regn eq 1)agewt=racgenct*0.3214.
if (agecat eq 6 and regn eq 1)agewt=racgenct*1.3764.
if (agecat eq 7 and regn eq 1)agewt=racgenct*0.7945.

if (agecat eq 1 and regn eq 2)agewt=racgenct*5.5937.
if (agecat eq 2 and regn eq 2)agewt=racgenct*5.0765.
if (agecat eq 3 and regn eq 2)agewt=racgenct*0.8019.
if (agecat eq 4 and regn eq 2)agewt=racgenct*1.5301.
if (agecat eq 5 and regn eq 2)agewt=racgenct*0.7373.
if (agecat eq 6 and regn eq 2)agewt=racgenct*0.6986.
if (agecat eq 7 and regn eq 2)agewt=racgenct*0.7545.

if (agecat eq 1 and regn eq 3)agewt=racgenct*3.1299.
```

```
if (agecat eq 2 and regn eq 3)agewt=racgenct*8.3501.
if (agecat eq 3 and regn eq 3)agewt=racgenct*2.1106.
if (agecat eq 4 and regn eq 3)agewt=racgenct*0.6605.
if (agecat eq 5 and regn eq 3)agewt=racgenct*0.9087.
if (agecat eq 6 and regn eq 3)agewt=racgenct*0.3920.
if (agecat eq 7 and regn eq 3)agewt=racgenct*0.7218.

if (agecat eq 1 and regn eq 4)agewt=racgenct*8.8837.
if (agecat eq 2 and regn eq 4)agewt=racgenct*2.9651.
if (agecat eq 3 and regn eq 4)agewt=racgenct*1.2971.
if (agecat eq 4 and regn eq 4)agewt=racgenct*1.8838.
if (agecat eq 5 and regn eq 4)agewt=racgenct*0.9442
if (agecat eq 6 and regn eq 4)agewt=racgenct*0.2861.
if (agecat eq 7 and regn eq 4)agewt=racgenct*0.5500.

if (agecat eq 1 and regn eq 5)agewt=racgenct*61.3382.
if (agecat eq 2 and regn eq 5)agewt=racgenct*2.1954.
if (agecat eq 3 and regn eq 5)agewt=racgenct*1.9556.
if (agecat eq 4 and regn eq 5)agewt=racgenct*1.8785.
if (agecat eq 5 and regn eq 5)agewt=racgenct*0.5643.
if (agecat eq 6 and regn eq 5)agewt=racgenct*0.2654.
if (agecat eq 7 and regn eq 5)agewt=racgenct*0.5631.

if (agecat eq 1 and regn eq 6)agewt=racgenct*3.4072.
if (agecat eq 2 and regn eq 6)agewt=racgenct*3.8811.
if (agecat eq 3 and regn eq 6)agewt=racgenct*3.9811.
if (agecat eq 4 and regn eq 6)agewt=racgenct*1.3073.
if (agecat eq 5 and regn eq 6)agewt=racgenct*0.9439.
if (agecat eq 6 and regn eq 6)agewt=racgenct*0.4539.
if (agecat eq 7 and regn eq 6)agewt=racgenct*0.3616.

if (agecat eq 1 and regn eq 7)agewt=racgenct*3.2922.
if (agecat eq 2 and regn eq 7)agewt=racgenct*65.5625.
if (agecat eq 3 and regn eq 7)agewt=racgenct*0.9338.
if (agecat eq 4 and regn eq 7)agewt=racgenct*1.4669.
if (agecat eq 5 and regn eq 7)agewt=racgenct*0.8059.
if (agecat eq 6 and regn eq 7)agewt=racgenct*0.2682.
if (agecat eq 7 and regn eq 7)agewt=racgenct*0.6162.
weight by agewt.

compute roundwt=agewt*10.
weight by roundwt.

freq var=regn


weight off.
freq var=regn.

*The following command adjusts the number of cases in each region
  back to the actual number interviewed.
compute adjwt=agewt.
if (regn=1)adjwt=agewt*1.12426.
if (regn=2)adjwt=agewt*1.17788.
if (regn=3)adjwt=agewt*0.72848.
if (regn=4)adjwt=agewt*0.90744.
if (regn=5)adjwt=agewt*1.28952.
if (regn=6)adjwt=agewt*1.05910.
if (regn=7)adjwt=agewt*0.94595.
*compute adjwt=adjwt*1.001502.
weight by adjwt.
freq var=regn.

weight off.
freq var=regn.

recode regn (1=1)(2=2)(3=3)(4=4)(5=5)(6=6)(7=6) into msueregn.

value labels msueregn 1 'UP' 2 'North LP' 3 'W. Central' 4 'E. Central'
    5 'Southwest' 6 'Southeast Urban'.
compute tempwt=10*adjwt.
weight by tempwt.
```

```
freq var=msueregn newregn2.

compute msuewt=adjwt.
if (regn=7)msuewt=adjwt*0.4037.
if (regn=6)msuewt=adjwt*1.3921.
weight by msuewt.
freq var=msueregn regn cd1.

compute roundwt=msuewt*10.
weight by roundwt.
freq var=msueregn.

compute statewt=msuewt.
if (msueregn eq 1)statewt=msuewt*0.5573.
if (msueregn eq 2)statewt=msuewt*0.5484.
if (msueregn eq 3)statewt=msuewt*0.7208.
if (msueregn eq 4)statewt=msuewt*0.5476.
if (msueregn eq 5)statewt=msuewt*0.8408.
if (msueregn eq 6)statewt=msuewt*1.7143.
*compute statewt=statewt*0.9990.
weight by statewt.
freq var=regn msueregn.

frequencies variables=cd1 cd3 cd5a  rac3 cd8 cd10 cd15 agecat imprace .
recode cd6 (7=6).
freq var=imprace.

Compute laborforce=-9.
If (CD15 lt 7 or cd15=11)laborforce=1.
If (cd15 ge 7 and cd15 lt 11)laborforce=2.
Missing values laborforce (-9).
Value labels laborforce 1 'In the labor force'    2 'Not in labor force'.
Variable labels laborforce 'Is respondent in the labor force or not'.
frequencies variables=laborforce.
crosstabs tables=cd15 by laborforce /cells count column.


*compute statewtsx=statewt.
*if (cd1 =1)statewtsx=statewt*0.955063.
*if (cd1 = 5)statewtsx=statewt*1.045662.
*weight by statewtsx.
*frequencies variables=cd1 cd3 cd5a  rac3 cd8 cd10 cd15 agecat.

*compute statewt=statewtsx.
*weight by statewt.

*recode cd11 (sysmis=-9).
*if (cd10 =1 and (age ge 65 and age lt 99))cd11=1.
*if (cd10=1 and age lt 65)cd11=0.
*recode cd11 (-9=99).


* This calculates household income categories a different way assigning the case
  to the category represented by the last valid (i.e., non-DONT KNOW or REFUSAL)
  response obtained;  It corrects an error in the storing of the separate income question
  responses in the INCOME question in the cati instrument (including an incorrect skip
  pattern and also minimizes the number of cases for which missing data values are
  stored by utilizing their last valid response.
freq var=income.
recode income (sysmis=-9).

missing values inca ().
compute newinc=0.
if (inca=8)newinc=98.
if (inca=9)newinc=99.
if (inca=1)newinc=5.
if (inca=5)newinc=4.
if (incb=1)newinc=2.
if (incb=5)newinc=3.
if (incca=5)newinc=4.
if (incca=1)newinc=3.
if (incc=5)newinc=2.
if (incc=1)newinc=1.
```

```
if (incd=1)newinc=7.
if (incd=5)newinc=5.
if (incf=5)newinc=5.
if (incf=1)newinc=6.
if (incg=5)newinc=6.
if (incg=1)newinc=10.
if (incg=5)newinc=7.
if (inch=5)newinc=7.
if (inch=1)newinc=8.
if (incha=5)newinc=8.
if (incha=1)newinc=9.
if (inci=5)newinc=10.
if (inci=1)newinc=11.
missing values newinc (0,98,99).
value labels newinc 1 '< $10k'  2 '$10k < $20k'  3 '$20k <$30k'  4 '$30 < $40k'  5 '$40k < $50k'  6
'$50k < $60k'
     7 '$60k < $70k'  8 '$70k < $90k'  9 '$90k < $100k'  10 '$100k < $150k'  11 '$150k+' 98 'DK'  99
'REF'.
frequencies variables=newinc.


recode cd3 (0 thru 11=1)(12=2)(13 thru 15, 20=3)(16 thru 18=4) into educat4.
value labels educat4 1 'LT HS'  2 'HS'  3 'Some College'  4 'College+'.
frequencies variables=educat4.
recode age (18 thru 24=1)(25 thru 99=2) into ed25.
value labels ed25 1 '< 25'  2 '25+'.
frequencies variables=ed25.
crosstabs tables=educat4 by ed25 /cells count column.


freq var=length.
temporary.
if (length lt 9)length=0.
if (length gt 41)length=0.
missing values length (0).
frequencies variables=length /statistics  ALL.

compute roundwt=statewt*10.
weight by roundwt.
freq var=cd1.


var labels
     newregn2 'Alternate coding of cases into regions based on FIPS'/
     listwt 'Weight adjustment for listed vs nonlisted numbers'/
     phwt 'Weight adjustment for number of phone lines to HHLD'/
     adltwt 'Weight adjustment for number adults in HHLD'/
     age 'Rs age calculated from year born (CD2)'/
     agecat  'Rs age in categories'/
     rac3   'Rs race in 3 categories and missing'/
     mult2  'Number racial groups R claims'/
     races  'Rs race in 6 categories'/
     imprace 'Rs race in 3 categories with imputation if missing'/
     adj1 'interim weight adjustment'/
     ovrsamwt 'interim weight adjustment'/
     racgenct 'Sex x Race x Region weight adjustment'/
     agewt  'Age x Region weight adjustment'/
     adjwt 'Adjustment to correct rounding errors within region'/
     msueregn 'MSU Extension Regions (Detroit in Reg. 6)'/
     msuewt 'Weight to fold Detroit into Region 6'/
     statewt 'Final weight for statewide analysis'/
     newinc 'New Version of income responses (11 categories)'.
```

15. CODEBOOK

The codebook is based on telephone interview data set in its ASCII form. A number of additional variables that were constructed during preliminary analyses of the data set are also included in the SPSS system file. Information about these can be examined by looking at the data dictionary in SPSS. This codebook reports frequencies based on the weighted data with the weight variable STATEWT being applied.