MICHIGAN STATE | Institute for Public Policy
U N I V E R S I T Y | and Social Research
State of the State Survey

Methodological Report:
Michigan State University
State of the State Survey 73
(Fall 2016 Round)

November, 2016

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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

SOSS is a public opinion survey of the adult citizens of Michigan, conducted three to four times each year since October, 1994. It employs Computer Assisted Telephone Interviewing (CATI) technology to interview a stratified random sample of Michigan adults. Originally based only on household landline telephones, SOSS began including cell phones in Round 62 (Summer 2012). SOSS is a product of the Institute for Public Policy and Social Research in collaboration with the Office for Survey Research at Michigan State University.

Although dozens of surveys are conducted in Michigan every year, SOSS is the only one designed to provide a regular systematic monitoring of the public mood in the state. SOSS has five principal objectives:

1. To provide information about citizen opinions on critical issues
2. To provide data for scientific and policy research by MSU faculty
3. To provide useful information for programs and offices at MSU
4. To develop survey methods
5. To provide opportunities for student training and research

2. Calendar

People's experiences and the overall 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 typically conducted at regular quarterly intervals.

3. Structure of the Questionnaire

The questionnaires for each round of the survey are designed by a different set of principal investigators, consisting of faculty, students, and staff at MSU and other higher education institutions, as well as researchers and staff at non-profits and other organizations and businesses. Each survey instrument consists of three main components: a demographic core, a non-demographic core, and client questions.

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 based on client needs.

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 7 minutes of interviewing time to complete. The remainder of the interview typically lasts around 13-18 minutes, so that on average interviews on SOSS take about 20-25 minutes of the respondent's time.

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

Beyond the core set of interview items, SOSS 73 included sets of questions on these topics:

1. School
2. Healthcare
3. Charity
4. Volunteering
5. Environment
6. Politics
7. Voting

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 weighted frequency distribution of responses, may be difficult to interpret and must be used carefully. Occasionally, 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. It is the responsibility of the data users and analysts, not of SOSS, to assure that the appropriate variants of questions are used in analyses and reports. A copy of the CATI interview program with the logic and 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

SOSS and OSR staff are responsible for the technical work of programming the CATI survey instrument, training and supervising interviewers, selection and administration of the sample, coding and weighting of data, and preparation of the final data set and documentation. In addition, SOSS and OSR staff work with and advise the principal investigators and other researchers in the design of the sample and the survey instrument. Final approval of the survey and sample design rests with the principal investigators and SOSS Director.

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, SOSS Project Manager, and OSR staff. The working groups consist primarily of "principal investigators" for the given round who have sponsored and funded the survey and will conduct

the major initial analyses of the data, provide public briefings, 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).

Working Group for the Fall 2016 survey:

David Casalaspi, Graduate Student, Michigan State University College of Education

Robert Collier, President and CEO, Council of Michigan Foundations

Kevin C. Elliott, Associate Professor, Michigan State University Department of Fisheries and Wildlife, Department of Philosophy, Lyman Briggs College

Eric Freedman, Knight Chair Michigan State University Knight Center for Environmental Journalism; Professor, Michigan State University School of Journalism

Matt Grossmann, Director, Michigan State University Institute for Public Policy and Social Research

Virginia Holmes, Executive Director, Michigan Community Service Commission

Mark A. Largent, Associate Dean, Michigan State University Lyman Briggs College; Professor, Michigan State University James Madison College

Jennifer Lawlor, Graduate Student, Michigan State University Department of Psychology

Aaron M. McCright, Associate Professor, Michigan State University Department of Sociology, Lyman Briggs College, Environmental Science and Policy Program

Donna Murray-Brown, President and CEO, Michigan Nonprofit Association

David Poulson, Associate Director, Michigan State University Knight Center for Environmental Journalism

Bruno Takahashi, Assistant Professor, Michigan State University School of Journalism and Department of Communication

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Funding sources for the Fall 2016 survey:

- Council of Michigan Foundations
- Michigan Nonprofit Association
- Michigan State University College of Education
- Michigan State University Department of Psychology
- Michigan State University Institute for Public Policy and Social Research
- Michigan State University Lyman Briggs College
- Michigan State University School of Journalism

5. Dissemination of Results

Each round of the survey has an identified set of principal investigators who have priority in access to the data for that round. The principal investigators 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.

Six months after completion of data collection, the survey data are made available on an unrestricted basis to the public via the State of the State Survey's website (http://ippsr.msu.edu/soss/).

6. 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 or individuals who have a cell phone had a chance of being interviewed.

Sampling. One portion of the sample of interviews is derived from a new random-digit-dial sample of phone numbers in the state, while another portion of the sample of completed interviews (usually 20-40% of the sample) is derived from re-interviews of individuals who had been interviewed two rounds earlier 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 constitutes a representative random sample several months later, if adjustments for any non-response are made.

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.

Because of the rapidly growing percentage of adults who have opted not to have a landline for their household, but depend instead on their cell phones, SOSS began to include a sample of cell phone users in SOSS 62.

Respondents' households newly enlisted to participate for SOSS 73 in the landline sample were selected using list-assisted random-digit-dial (RDD) sampling procedures. Those being re-interviewed had been sampled and selected in this same manner when they were first recruited to participate in SOSS 66.

Ordinarily, the initial sample of randomly generated telephone numbers (landline or cell phone) 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. Landline and cell phone banks of numbers are separated and sampled independently. To improve the efficiency of the landline calling, this sampling frame is separated into two strata: one comprised of all landline phone numbers that are listed in phone directories, and the other comprised of all landline phone numbers that are not listed in directories but which are members of banks in which at least one phone number is listed. We over-sample phone numbers from the listed stratum.

SSI screens the landline 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.

The cell phone numbers are similarly stratified into those that have recent billing activity (i.e., active) and those that do not (i.e., inactive). Only active phone numbers are called.

For SOSS 73, 12,007 phone numbers were used overall, 582 in the re-contact segment, 5,284 in the new RDD segment, and 6,141 in the new cell phone segment. The working phone number rate was 45.6% overall, 79.2% in the re-contact segment, 48.8% in the new RDD segment, and 39.6% in the new cell phone segment.

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 state as a whole. The details for weighting each segment are provided below.

Because of the stratification (i.e., listed vs. not-listed phone number strata, landline vs. cell phone) and the unequal sampling rates across the strata, it is necessary to use "weights" to correct for unequal probabilities of selection. Weights can also be used to adjust the marginals on selected demographics in the sample to match the corresponding marginals in the adult population of the state to correct for differential response rates.

As indicated above, the initial landline 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 were drawn from 2010-2014 American Community Survey 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 an equal probability 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, i.e., by the number of adults in the household.

In the cell phone segment, respondents were asked whether they also have a landline phone at their household (i.e., an overlapping dual frame design). Respondents were weighted by the reciprocal of the number of landline plus cell phone numbers they have. Furthermore, the cell phone was assumed to belong to the individual rather than the household, so the person answering the phone, if eligible, was the respondent.

These weights were 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 separate sample segments (i.e., landline and cell phone) were merged, and the adjustment made so that the proportion of cases that were cell phone-only matched the estimated proportion for Michigan in 2015, based on the most recent National Health Interview Survey estimates.

Non-response adjustments were made subsequently using an iterative proportional fit method (i.e., raking). These adjustments were intended primarily to correct for differential non-response based on age, gender, and race within the adult population of the state. It is common for some groups of individuals to be more difficult to reach, or more likely to refuse to participate, in RDD 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 whites, African Americans, and other racial group respondents in the sample matched the proportions each of these groups in the adult population in the state based on the 2009-2013 American Community Survey 5-year estimates. In the data set, this weighting factor is named REGNRACE. Furthermore, cases were additionally weighted so that the proportion of male cases and female cases falling into each of the following age groups matched the statewide proportions in the 2009-2013 American Community Survey 5-year estimates: 18-29 years old, 30-39, 40-49, 50-59, 60-69, 70-79, and 80 or older. In the data set, this weighting factor is named SEXAGEWT. Since rounding and missing data sometimes result in the weighted number of cases differing slightly from the actual number, SEXAGEWT 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.

Finally, 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 the 2009-2013 American Community Survey 5-year estimates. 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 American Community Survey-based distribution of gender, race, and age, and against the regional distribution of Michigan residents 18 and older. A second iteration of weighting was conducted to bring all sample means within 1% of the population values. The final weighting factor is named STATEWT2.

It is important to note that these weight factors were constructed sequentially and build on the earlier steps. Thus, SEXAGEWT weights cases adjusting for the number of phone lines, the number of adults in the household, the landline vs. cell phone proportions, the race category proportions within the state, and the gender x age category proportions within state. STATEWT weights cases by all of those adjustments implied by SEXAGEWT and adjusts the proportions of cases across regions. **For developing statewide results**, the user should use the data weighted by STATEWT2. **For comparing the results among regions** -- if Detroit is to be separate -- the user should use the data weighted by ADJWT2. **To compare directly the original MSUE regions**, the data should be weighted by MSUEWT2.

Regions are defined as follows:

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. West Central: Allegan, Barry, Ionia, Kent, Lake, Manistee, Mason, Mecosta, Montcalm, Muskegon, Newaygo, Oceana, Osceola, Ottawa

4. East Central: Arenac, Bay, Clare, Clinton, Gladwin, Gratiot, Huron, Isabella, Midland, Saginaw, Sanilac, Shiawassee, Tuscola

5. Southwest: Berrien, Branch, Calhoun, Cass, Eaton, Hillsdale, Ingham, Jackson, Kalamazoo, St. Joseph, Van Buren

6. Southeast: Genesee, Lapeer, Lenawee, Livingston, Macomb, Monroe, Oakland, St. Clair, Washtenaw, Wayne [excluding Detroit]

7. Detroit

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

$$\text{Confidence Interval} = \pm 1.96\sqrt{((P \times Q)/(n-1))}$$

where n is the number of cases within the region or the total sample, 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 can be estimated as:

Region	Number of Cases	Margin of Sampling Error SRS*	w/ Design Effects
1. Upper Peninsula	40	± 15.7%	± 17.2%
2. Northern Lower Peninsula	79	± 11.1%	± 11.1%
3. West Central	153	± 7.9%	± 11.3%
4. East Central	86	± 10.6%	± 13.5%
5. Southwest	170	± 7.5%	± 10.7%
6. Southeast	427	± 4.7%	± 6.5%
7. Detroit	55	± 13.3%	± 21.0%
Statewide Total	**1,010**	**± 3.1%**	**± 4.2%**

Taking the Design Effects from landlines vs. cell phone, listed vs. unlisted, and across regions into account, the overall margin of sampling error statewide is ± 4.2%.

7. 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 Computer Assisted Survey Execution System (CASES, version 5.5) 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, the questions or instructions are presented to the interviewer on the computer screen, in order. 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. These

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", 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 55 different interviewers were involved in data collection on round 73 of the State of the State Survey.

Field Period and Respondent Selection in Household. Interviewing began on September 1, 2016, and continued through November 13, 2016. Telephone numbers for which a directory listing was available were sent an advance letter roughly one week prior to the time at which an initial call attempt 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 no contact had been made with someone at the number after a minimum of nine call attempts, 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 the maximum number of call attempts were made or the interview was completed, the interview was refused, or the case was determined to be ineligible or incapable. The maximum number of calls was 8 for new landline RDD cases, 10 for new cell phone RDD cases, and 12 for landline and cell cases re-contacted from SOSS 71.

If an interview could not be fully completed (i.e., the respondent did not answer all questions), but all questions necessary for weighting had already been answered, the case was considered partially compelte and included in the dataset.

The average interview lasted 30.92 minutes (standard deviation= 6.561) with a median of 30.00 minutes. In the case of an initial refusal, numbers were called back after three 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 1,010 interviews were completed (929 fully complete, 81 partially complete), 140 with landline participants re-contacted from the SOSS 71 survey, 111 with cell participants re-contacted from the SOSS 71 survey, 391 with new landline RDD participants, and 368 with new cell phone RDD participants. The overall completion rate among eligible respondents was 36.5% (32.6% in the new landline RDD segment, 30.7% in the new cell phone RDD segment, and 67.8% in the re-contact segment).

These rates are 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 73 was 24.3%, the refusal rate (REF2) was 12.4%, the cooperation rate (COOP4) was 66.2%, and the contact rate (CON3) was 78.6%.

Of those completing the interview, the mean number of calls required was 3.80 (4.12 among the re-contact cases, 3.22 among the new landline RDD cases, and 4.19 among the new cell phone RDD cases). Interviewers made a total of 73,150 calls to complete the 1,010 interviews.

The refusal rate was 9.5%.

8. Documentation Available

The following documentation is available for this survey:

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

9. Data Format and Archiving

Data are available in SPSS, STATA, and Excel formats, with weight variables included.

10. CATI Questionnaire (New RDD)

>CONSENT< [loc 0/700][setkey <f5> to <h number>][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. If you have any questions about this study
   or would like contact information for the investigators, you can ask me at any time.

   This call may be recorded or monitored for quality assurance.

   [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>]

        @

>Tcore1< [allow 4]
>Tcore1start< [allow 4]
>Tcore1stop< [allow 4]

>Tcore2< [allow 4]
>Tcore2start< [allow 4]
>Tcore2stop< [allow 4]

>Tcore3< [allow 4]
>Tcore3start< [allow 4]
>Tcore3stop< [allow 4]

>Tcore4< [allow 4]
>Tcore4start< [allow 4]
>Tcore4stop< [allow 4]

>Tippsr1< [allow 4]
>Tippsr1start< [allow 4]
>Tippsr1stop< [allow 4]

>Tippsr2< [allow 4]
>Tippsr2start< [allow 4]
>Tippsr2stop< [allow 4]

>Tmna< [allow 4]
>Tmnastart< [allow 4]
>Tmnastop< [allow 4]

>Tenvi< [allow 4]
>Tenvistart< [allow 4]
>Tenvistop< [allow 4]

>Tlawlor< [allow 4]
>Tlawlorstart< [allow 4]
>Tlawlorstop< [allow 4]

>Tvacc< [allow 4]
>Tvaccstart< [allow 4]
>Tvaccstop< [allow 4]

>Tcasal1< [allow 4]
>Tcasal1start< [allow 4]
>Tcasal1stop< [allow 4]

>Tcasal2< [allow 4]

```
>Tcasal2start< [allow 4]
>Tcasal2stop< [allow 4]

>ID1< [allow 5][loc 18/1][store csid in ID1]
>R1<  [allow 1][preset <1>]
>cnty< [allow 5][inputloc 1/23]
>regn< [allow 1][inputloc 1/29]
                                1 upper pen
                                2 northern
                                3 west central
                                4 east central
                                5 southwest
                                6 southeast
                                7 Detroit

>randippsr1< [allow 1][inputloc 1/121]
>randippsr3< [allow 1][inputloc 1/123]
>random2a< [allow 1][inputloc 1/124]
>random2b< [allow 1][inputloc 1/125]
>random3< [allow 1][inputloc 1/126]
>random4< [allow 1][inputloc 1/127]

>city2< [allow 20][inputloc 1/92]


>listed< [allow 1][inputloc 1/120][call CMD quiet][store <1> in record_on][make CMD from <krc.bat>
< > FN] 1=listed 2=unlisted


>CC1<  [settime Tcore1start]

  First, I'd like to ask you a few questions about how things are going for
  Michigan residents in general.

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

        <1> BETTER OFF
        <3> ABOUT THE SAME (R PROVIDED)
        <5> WORSE OFF

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

        @

>CC2<

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

        <1> BETTER OFF
        <3> ABOUT THE SAME (R PROVIDED)
        <5> WORSE OFF

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

        @

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

            @

>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]?

     [green]IWER: IF R ASKS FOR CLARIFICATION/DEFINITION OF 'INFLATION' PLEASE RESPOND
     "WHATEVER IT MEANS TO YOU"[n]

            <1> GO UP
            <3> GO DOWN
            <5> STAY ABOUT THE SAME

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

            @

>CC5<

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

            <1> BETTER THAN
            <3> WORSE THAN
            <5> ABOUT THE SAME

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

            @

>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
            <3> BAD TIMES
            <5> NEITHER GOOD NOR BAD; MEDIOCRE STAY THE SAME (R PROVIDED)

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

            @

>PO1<  [settime Tcore1stop][settime Tcore2start]

  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>]

        @

>CD1<  [loc 19/1][settime Tcore2stop][settime Tcore3start]

  Now, I have some background questions for you.

     [bold][green]RECORD PERSONS GENDER 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 <10-98>

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

        @

>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>]

        @

>CD5a<

  Are you of Hispanic, Latino, Latina, or Spanish origin?

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

        @a WHITE OR CAUCASIAN
        @b AFRICAN AMERICAN OR BLACK
        @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)?

     [green]IWER: IF R SAYS "CHRISTIAN" PLEASE PROBE ONCE WITH
     "COULD YOU BE MORE SPECIFIC?"  IF RESPONSE IS "JUST CHRISTIAN" CODE
     AS "OTHER CHRISTIAN".[n]

     [green]IWER: IF R SAYS "NON-DENOMINATIONAL" PLEASE PROBE WITH
     "ARE YOU NON-DENOMINATIONAL CHRISTIAN, OR ANOTHER FAITH?"
```

```
      IF NON-DENOMINATIONAL CHRISTIAN, CODE AS "OTHER CHRISTIAN"[n]

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

         <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, a 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][commandbutton <SPECIFY:OTHER>]

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

        @

>married< [allow 1][store <0> in married]
        [if CD8 eq <1>][store <1> in married][endif]
        [if CD8 eq <5>][store <1> in married][endif]

>CD10< [#store adult in CD10][#goto CD11]

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

        <1-13> NUMBER OF ADULTS

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

        @

>CD11<

  How many children under the age of 18 currently live in your household?

        <0-20> NUMBER OF CHILDREN

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

        @

>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, LOOKING FOR WORK
       <7> RETIRED

      <11> SEMI-RETIRED, RETIRED AND WORKING PART-TIME

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

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

       <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 2015?

```
<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?

        <1-10> NUMBER OF PHONE NUMBERS

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

        @

>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>]


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

        @

>zipcode< [allow 5]

   What is your zip code?

     [green]IWER: IF R ASKS WHY, PLEASE RESPOND
     "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."[n]

          ZIP CODE - 48000 - 49999

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

        @

   [@] <48000-49999> ZIP CODE

>demo_county<  [optionbuttons on hide textbox hide codes]
     What county do you live in?
```

[red](A-E)[n]	[red](G-L)[n]	[red](M-R)[n]	[red](S-W)[n]
<1> ALCONA	<49> GENESEE	<97> MACKINAC	<145> SAGINAW
<3> ALGER	<51> GLADWIN	<99> MACOMB	<147> ST. CLAIR
<5> ALLEGAN	<53> GOGEBIC	<101> MANISTEE	<149> ST. JOSEPH
<7> ALPENA	<55> GRAND TRAVERSE	<103> MARQUETTE	<151> SANILAC
<9> ANTRIM	<57> GRATIOT	<105> MASON	<153> SCHOOLCRAFT
<11> ARENAC	<59> HILLSDALE	<107> MECOSTA	<155> SHIAWASSEE
<13> BARAGA	<61> HOUGHTON	<109> MENOMINEE	<157> TUSCOLA
<15> BARRY	<63> HURON	<111> MIDLAND	<159> VAN BUREN
<17> BAY	<65> INGHAM	<113> MISSAUKEE	<161> WASHTENAW
<19> BENZIE	<67> IONIA	<115> MONROE	<163> WAYNE
<21> BERRIEN	<69> IOSCO	<117> MONTCALM	<165> WEXFORD
<23> BRANCH	<71> IRON	<119> MONTMORENCY	
<25> CALHOUN	<73> ISABELLA	<121> MUSKEGON	
<27> CASS	<75> JACKSON	<123> NEWAYGO	<777> DO NOT KNOW
<29> CHARLEVOIX	<77> KALAMAZOO	<125> OAKLAND	<999> REFUSED
<31> CHEBOYGAN	<79> KALKASKA	<127> OCEANA	<0>[specify] GAVE CITY ONLY
<33> CHIPPEWA	<81> KENT	<129> OGEMAW	
<35> CLARE	<83> KEWEENAW	<131> ONTONAGON	
<37> CLINTON	<85> LAKE	<133> OSCEOLA	
<39> CRAWFORD	<87> LAPEER	<135> OSCODA	
<41> DELTA	<89> LEELANAU	<137> OTSEGO	
<43> DICKINSON	<91> LENAWEE	<139> OTTAWA	
<45> EATON	<93> LIVINGSTON	<141> PRESQUE ISLE	

```
      <47> EMMET                    <95> LUCE                         <143> ROSCOMMON           @

[@][allow int 3][input format zero fill]

>demo_Detroit< [if demo_county ne <163> goto cellular2]

      Do you live in the city of Detroit?

         <1> YES [goto demo_cell1]
         <2> NO

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

        @

[@][allow int 1]


>cellular2<

  In which village, city or township do you reside?

    [green]IWER: IF R ASKS WHY, PLEASE RESPOND
    "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."[n]

        <0>[specify][commandbutton <SPECIFY>]

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

        @

>demo_cell1< [optionbuttons on hide textbox hide codes]

  Do you have a cell phone for personal use?  Please include cell phones used for both
  business and personal use.

        <1> YES
        <2> NO [goto demo_cell_skip]

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

        @

>demo_cell4< [optionbuttons on hide codes]

  Thinking about all the phone calls that you receive on your landline and cell phone,
  what percent, between 0 and 100, are received on your cell phone?

        <777> [commandbutton <ZERO, NONE>]

        <888>[commandbutton <DO NOT KNOW>]
        <999>[commandbutton <REFUSED THIS QUESTION>]

        @ PERCENT OF CALLS  (1 to 100)

        [@][allow int 3][input format zero fill] <1-100>


>demo_cell_skip< [optionbuttons on hide textbox hide codes]


>ippsr111< [settime Tcore3stop][settime Tippsr1start]
```

Have you ever used any tobacco product, such as cigarettes, e-cigarettes, cigars, snuff, tobacco pipe, or chewing tobacco?

        <1> YES
        <2> NO

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

          @

>ippsr112< [if ippsr111 ne <1> goto grossmann4a]

  Do you now use any tobacco product?

        <1> YES
        <2> NO

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

          @

>grossmann4a< [goto ippsr102e]

  Now we would like to ask you some questions about the presidential election.

  What is the name of Donald Trump's Vice Presidential running mate?

        <1> MIKE PENCE / PENCE
        <2> ANY OTHER RESPONSE

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

        @

>grossmann4b<

  What is the name of Hillary Clinton's Vice Presidential running mate?

        <1> TIM KAINE / KAINE
        <2> ANY OTHER RESPONSE

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

        @

>ippsr141<

  Only one in three Michigan adults voted in our presidential primary in March.
  Did you vote?

        <1> YES
        <2> NO

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

        @

>ippsr142a< [if ippsr141 ne <1> goto ippsr142b]

  Which candidate did you vote for in the presidential primary?

        <1> HILLARY CLINTON

```
        <2> BERNIE SANDERS
        <3> MARTIN O'MALLEY

        <10> DONALD TRUMP
        <9> MARCO RUBIO
        <5> TED CRUZ
        <7> JOHN KASICH
        <11> BEN CARSON
        <6> RAND PAUL
        <8> JEB BUSH
        <4> CHRIS CHRISTIE
        <12> CARLY FIORINA

        <0> OTHER: SPECIFY [specify]

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

        @

>ippsr142b< [if ippsr141 eq <1> goto ippsr10]

  Which candidate did you most support during the presidential primary?

        <1> HILLARY CLINTON
        <2> BERNIE SANDERS
        <3> MARTIN O'MALLEY

        <10> DONALD TRUMP
        <9> MARCO RUBIO
        <5> TED CRUZ
        <7> JOHN KASICH
        <11> BEN CARSON
        <6> RAND PAUL
        <8> JEB BUSH
        <4> CHRIS CHRISTIE
        <12> CARLY FIORINA

        <0> OTHER: SPECIFY [specify]

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

        @

>ippsr10<

  Many people choose not to vote in elections where they do not like the candidates.
  How certain are you that you will vote in the presidential election on November 8th?

  On a scale of 1 to 10 with 1 being "definitely will not vote" and 10 being
  "definitely will vote," where would you rate your chance of voting?

        <1-10>

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

        @

>ippsr12p1a< [if randippsr3 eq <2> goto ippsr12p2a]

    [red]IWER: THERE ARE MULTIPLE VERSIONS OF THIS QUESTION; PLEASE READ CAREFULLY[n]

  Which candidate do you most support for the presidency?
  Hillary Clinton or Donald Trump?
```

```
        <1> HILLARY CLINTON (DEMOCRAT)
        <2> DONALD TRUMP (REPUBLICAN)

        <0> OTHER: SPECIFY [specify]
        <6> NO ONE/NONE/NEITHER

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

        @

>ippsr12p1b< [if ippsr12p1a eq <1> goto ippsr12pa][if ippsr12p1a eq <2> goto ippsr12pa][if
ippsr12p1a eq <9> goto ippsr12pa]

    [red]IWER: THERE ARE MULTIPLE VERSIONS OF THIS QUESTION; PLEASE READ CAREFULLY[n]

  If you absolutely had to decide today, who are you most leaning toward?
  Hillary Clinton or Donald Trump?

        <1> HILLARY CLINTON (DEMOCRAT)
        <2> DONALD TRUMP (REPUBLICAN)

        <0> OTHER: SPECIFY [specify]
        <6> NO ONE/NONE/NEITHER

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

        @

>ippsr12p2a< [if randippsr3 eq <1> goto ippsr12pa]

    [red]IWER: THERE ARE MULTIPLE VERSIONS OF THIS QUESTION; PLEASE READ CAREFULLY[n]

  Which candidate do you most support for the presidency?
  Donald Trump or Hillary Clinton?

        <2> DONALD TRUMP (REPUBLICAN)
        <1> HILLARY CLINTON (DEMOCRAT)

        <0> OTHER: SPECIFY [specify]
        <6> NO ONE/NONE/NEITHER

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

        @

>ippsr12p2b< [if ippsr12p2a eq <1> goto ippsr12pa][if ippsr12p2a eq <2> goto ippsr12pa][if
ippsr12p2a eq <9> goto ippsr12pa]

    [red]IWER: THERE ARE MULTIPLE VERSIONS OF THIS QUESTION; PLEASE READ CAREFULLY[n]

  If you absolutely had to decide today, who are you most leaning toward?
  Donald Trump or Hillary Clinton?

        <2> DONALD TRUMP (REPUBLICAN)
        <1> HILLARY CLINTON (DEMOCRAT)

        <0> OTHER: SPECIFY [specify]
        <6> NO ONE/NONE/NEITHER

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

        @
```

```
>ippsr12pa< [allow int 2]
        [if randippsr3 eq <1>][store ippsr12p1a in ippsr12pa][endif]
        [if randippsr3 eq <2>][store ippsr12p2a in ippsr12pa][endif]

>ippsr12pb< [allow int 2]

        [if randippsr3 eq <1>][store ippsr12p1b in ippsr12pb][endif]
        [if randippsr3 eq <2>][store ippsr12p2b in ippsr12pb][endif]

>ippsr101c< [if ippsr12pa ne <1> goto ippsr101t]

    [red]IWER: THERE ARE MULTIPLE VERSIONS OF THIS QUESTION; PLEASE READ CAREFULLY[n]

  Would you say that your choice is more a vote [bold]for[n] Hillary Clinton
  or more a vote [bold]against[n] Donald Trump?

        <1> FOR CLINTON
        <2> AGAINST TRUMP

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

        @

>ippsr101t< [if ippsr12pa ne <2> goto ippsr102]

    [red]IWER: THERE ARE MULTIPLE VERSIONS OF THIS QUESTION; PLEASE READ CAREFULLY[n]

  Would you say that your choice is more a vote [bold]for[n] Donald Trump
  or more a vote [bold]against[n] Hillary Clinton?

        <1> FOR TRUMP
        <2> AGAINST CLINTON

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

        @

>ippsr102<

  The Michigan presidential ballot will include Hillary Clinton for the Democrats,
  Donald Trump for the Republicans, Gary Johnson for the Libertarians,
  and Jill Stein for the Greens. Given those choices, who would you vote for?

        <1> HILLARY CLINTON (DEMOCRAT)
        <2> DONALD TRUMP (REPUBLICAN)
        <3> GARY JOHNSON (LIBERTARIAN)
        <4> JILL STEIN (GREEN)

        <0> OTHER: SPECIFY [specify]
        <6> NO ONE/NONE

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

        @

>ippsr103<

  Regardless of your personal political affiliation, who do you think
  will win the 2016 presidential election?

        <1> HILLARY CLINTON (DEMOCRAT)
        <2> DONALD TRUMP (REPUBLICAN)
        <3> GARY JOHNSON (LIBERTARIAN)
        <4> JILL STEIN (GREEN)
```

```
        <0> OTHER: SPECIFY [specify]

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

           @

>ippsr104<

   Which candidate do you think will get the most votes in Michigan?

        <1> HILLARY CLINTON (DEMOCRAT)
        <2> DONALD TRUMP (REPUBLICAN)
        <3> GARY JOHNSON (LIBERTARIAN)
        <4> JILL STEIN (GREEN)

        <0> OTHER: SPECIFY [specify]

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

           @

>ippsr105a< [if randippsr1 eq <2> goto ippsr105b]

     [red]IWER: THERE ARE MULTIPLE VERSIONS OF THIS QUESTION; PLEASE READ CAREFULLY[n]

   This year, Michigan will also have elections for the U.S. House of Representatives.
   In your local race, which party's candidate do you most support:
   The Republican or Democrat?

        <2> REPUBLICAN CANDIDATE
        <1> DEMOCRATIC CANDIDATE

        <0> OTHER: SPECIFY [specify]
        <6> NO ONE/NONE/NEITHER

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

           @

>ippsr105b< [if randippsr1 eq <1> goto casal01]

     [red]IWER: THERE ARE MULTIPLE VERSIONS OF THIS QUESTION; PLEASE READ CAREFULLY[n]

   This year, Michigan will also have elections for the U.S. House of Representatives.
   In your local race, which party's candidate do you most support:
   The Democrat or Republican?

        <1> DEMOCRATIC CANDIDATE
        <2> REPUBLICAN CANDIDATE

        <0> OTHER: SPECIFY [specify]
        <6> NO ONE/NONE/NEITHER

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

           @

>casal01< [settime Tippsr1stop][settime Tcasal1start]

   Which of the following should have the [bold]most[n] influence setting
   policies for K-12 public education: The U.S. federal government, the
   state of Michigan, or your local school board?
```

31

```
        <1> U.S. FEDERAL GOVERNMENT
        <2> STATE OF MICHIGAN
        <3> LOCAL SCHOOL BOARD

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

         @
```

>casal02<

  The next several questions use a 1 to 5 scale, where 1 is "strongly
  oppose," 5 is "strongly favor," and 3 is "neither favor nor oppose."

  Charter schools operate under a contract that frees them from many
  of the state regulations imposed on public schools and permits them
  to operate independently. Using the 1 to 5 scale, how do you feel
  about policies to expand the number of charter schools in your
  district?

```
        <1-5>

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

        @
```

>casal03<

  The "Common Core" is a set of national curriculum standards for
  teaching reading, writing, and math in kindergarten through 12th
  grade. Using the 1 to 5 scale, how do you feel about having the
  teachers in your district use the Common Core Standards?

  (1 is "strongly oppose," 5 is "strongly favor," and 3 is "neither favor nor oppose.")

```
        <1-5>

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

        @
```

>casal04<

  Efforts are underway to link teacher pay with student achievement,
  including performance on standardized tests. Using the 1 to 5 scale,
  how do you feel about linking teacher pay to student achievement in
  your district?

  (1 is "strongly oppose," 5 is "strongly favor," and 3 is "neither favor nor oppose.")

```
        <1-5>

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

        @
```

>v5< [settime Tcasal1stop][settime Tmnastart]

  Next I have some questions about volunteer activities.

  In 2016, have you volunteered your time for any types of organization such as
  your church, your child's school, or another non-profit organization?

```
      [green]INVW: IF RESPONDENT ASKS ABOUT PLANNED VOLUNTEERING DURING THE
      REMAINDER OF 2016, RESPOND: 'PLEASE INCLUDE ANY PLANNED VOLUNTEERING
      FOR THE REST OF THE YEAR'[n]

         <1> YES
         <5> NO

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

          @

>v8<

   Do you think that you will volunteer more, less, or about the same in 2017 as you have
   in 2016?

      [green]INVW: IF RESPONDENT ASKS ABOUT PLANNED VOLUNTEERING DURING THE
      REMAINDER OF 2016, RESPOND: 'PLEASE INCLUDE ANY PLANNED VOLUNTEERING
      FOR THE REST OF THIS YEAR IN YOUR ESTIMATE FOR 2016'[n]

         <1> MORE
         <3> LESS
         <5> ABOUT THE SAME

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

          @

>volopp< [if v5 ge <5> goto av101]

   Where do you [bold]mainly[n] find out about volunteer opportunities available in your
   community?

      [red][bold]INVW: CODE RESPONSE INTO CATEGORIES IF POSSIBLE OTHERWISE ENTER VERBATIM
      RESPONSE USING SPECIFY BUTTON[n]

         <1> FAMILY, FRIENDS - PEOPLE INVOLVED IN ACTIVITY
         <2> CHILDREN INVOLVED IN ACTIVITY
         <3> CHURCH/THROUGH RELIGIOUS ORGANIZATION
         <4> SCHOOL
         <5> PREVIOUS INVOLVEMENT/KNOWLEDGE ORGANIZATION/PROGRAM
         <6> WORK/JOB
         <7> TV, RADIO, NEWSPAPER, PAMPLETS, DIRECT MAILING
         <8> INTERNET, SOCIAL NETWORKING SITES
         <9> COMMUNITY BASED ORGANIZATION
         <10> VOLUNTEER CENTERS
         <11> SERVICE CLUBS/ORGANIZATIONS
         <12> COMMUNITY FOUNDATIONS

         <0> [specify][commandbutton <SPECIFY>]
         <98>[commandbutton <DO NOT KNOW>]
         <99>[commandbutton <REFUSED THIS QUESTION>]

          @

>av101<

   Which of the following groups have the most influence
   on your decision to volunteer your time?

   Your family and friends; your school or the school that
   your children or neighborhood children attend; your co-workers
   or supervisor; or your church, synagogue, or other religious
   organization.
```

```
    <1> FAMILY/FRIENDS
    <2> SCHOOL
    <3> CO-WORKERS/SUPERVISOR
    <4> CHURCH/SYNAGOGUE/RELIGIOUS ORGANIZATION

    <7> DO NOT VOLUNTEER (R VOLUNTEERED)

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

    @
```

>av102<

  Next, I would like to ask you some questions about charitable organizations.

  Which of the following groups have the most influence
  on your decision to give money to a charity?

  Your family and friends; your school or the school that
  your children or neighborhood children attend; your co-workers
  or supervisor; or your church, synagogue, or other religious
  organization.

```
    <1> FAMILY/FRIENDS
    <2> SCHOOL
    <3> CO-WORKERS/SUPERVISOR
    <4> CHURCH/SYNAGOGUE/RELIGIOUS ORGANIZATION

    <7> DO NOT GIVE TO CHARITY (R VOLUNTEERED)

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

    @
```

>ta5<

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

  Generally, charitable organizations play a major role in making our communities better
  places to live.

```
      <1> STRONGLY AGREE
      <2> SOMEWHAT AGREE
      <3> SOMEWHAT DISAGREE
      <4> STRONGLY DISAGREE

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

       @
```

>ta6<

  Charitable organizations provide many social, health, and educational services to
  individuals and communities most in need. Under Michigan law, charitable
  organizations are exempt from paying certain taxes because their services
  benefit the public.

  In your opinion, should charitable organizations continue to be exempt from paying
  certain taxes?

```
    <1> YES, CONTINUE TO BE EXEMPT
    <5> NO, SHOULD PAY TAXES
```

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

            @
```

>v1<

  Now, thinking about your own charitable giving...

  Have you or any member of your household contributed money, property, or both to a
  charity or nonprofit organization in 2016?

```
    [green]INVW: IF RESPONDENT ASKS ABOUT PLANNED GIVING DURING THE
    REMAINDER OF 2016, RESPOND: 'PLEASE INCLUDE ANY PLANNED GIVING
    FOR THE REST OF THE YEAR'[n]

      <1> YES
      <5> NO

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

          @
```

>v4<

  Do you think that your household will contribute more, less, or about the same in
  2017 as you have in 2016?

```
    [green]INVW: IF RESPONDENT ASKS ABOUT PLANNED GIVING DURING THE
    REMAINDER OF 2016, RESPOND: 'PLEASE INCLUDE ANY PLANNED GIVING
    FOR THE REST OF THIS YEAR IN YOUR ESTIMATE FOR 2016'[n]

      <1> MORE
      <3> LESS
      <5> ABOUT THE SAME

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

          @
```

>v9<

  Do you give more money to charitable organizations where you also volunteer than to
  those where you are not involved as a volunteer?

```
      <1> YES
      <5> NO

      <7> DO NOT GIVE TO CHARITY/VOLUNTEER (R VOLUNTEERED)

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

      @
```

>volopp100< [if v1 ge <5> goto envi01]

  Where do you [bold]mainly[n] find out about opportunities to give money to charity in your
  community?

```
    [red][bold]INVW: CODE RESPONSE INTO CATEGORIES IF POSSIBLE OTHERWISE ENTER VERBATIM
    RESPONSE USING SPECIFY BUTTON[n]

        <1> FAMILY, FRIENDS - PEOPLE INVOLVED IN ACTIVITY
```

```
        <2> CHILDREN INVOLVED IN ACTIVITY
        <3> CHURCH/THROUGH RELIGIOUS ORGANIZATION
        <4> SCHOOL
        <5> PREVIOUS INVOLVEMENT/KNOWLEDGE ORGANIZATION/PROGRAM
        <6> WORK/JOB
        <7> TV, RADIO, NEWSPAPER, PAMPLETS, DIRECT MAILING
        <8> INTERNET, SOCIAL NETWORKING SITES
        <9> COMMUNITY BASED ORGANIZATION
        <10> VOLUNTEER CENTERS
        <11> SERVICE CLUBS/ORGANIZATIONS
        <12> COMMUNITY FOUNDATIONS

        <0> [specify][commandbutton <SPECIFY>]
        <98>[commandbutton <DO NOT KNOW>]
        <99>[commandbutton <REFUSED THIS QUESTION>]

        @

>envi01< [settime Tmnastop][settime Tenvistart]

  Michigan's state government regulates air and water quality, parks,
  hunting and fishing, wildlife, land development, and alternative energy.

  How would you rate Governor Rick Snyder in carrying out those responsibilities?
  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>]

        @

>envi02<

  How would you rate state agencies in carrying out those responsibilities?

  (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>]

        @

>envi03<

  How would you rate the state legislature in carrying out those responsibilities? (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>]

        @
```

```
>envi04<

  Local officials have environmental responsibilities including zoning,
  wetlands protection, and recycling.

  How would you rate your own local officials in carrying out those responsibilities?

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

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

        @

>lawlor01< [settime Tenvistop][settime Tlawlorstart]

  Imagine that a natural or man-made disaster occurred in your community,
  and as a result, you need to find resources outside of your home to stay healthy.

  Where would you look first to find information about getting resources to support
  your health following the disaster? A friend or family member, watching television,
  listening to the radio, picking up a newspaper, going to an online news source,
  a phone information line, or somewhere else?

        <1> FRIEND OR FAMILY MEMBER
        <2> TV STATION (NOT VIA INTERNET)
        <3> RADIO (NOT VIA INTERNET)
        <4> NEWSPAPER (NOT VIA INTERNET)
        <5> ONLINE NEWS SOURCE
        <6> PHONE LINE/2-1-1

        <0> SOMEWHERE ELSE

        <7> NONE/WOULDN'T SEEK RESOURCES/WOULD HANDLE MYSELF

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

        @

>lawlor03<

  Where would you go first to get resources to support your physical health?
  A friend or family member, a hospital or doctor's office, a church or
  religious institution, a non-profit organization, a government office,
  or somewhere else?

        <1> FRIEND OR FAMILY MEMBER
        <2> HOSPITAL/DOCTOR'S OFFICE/URGENT CARE
        <3> CHURCH OR RELIGIOUS INSTITUTION
        <4> NON-PROFIT ORGANIZATION
        <5> GOVERNMENT OFFICE

        <0> OTHER: SPECIFY [specify]

        <7> NONE/WOULDN'T SEEK RESOURCES/WOULD HANDLE MYSELF

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

        @

>lawlor04<
```

Using the same options, where would you go first to get resources to
support your mental health?

(A friend or family member, a hospital or doctor's office, a church or
religious institution, a non-profit organization, a government office,
or somewhere else?)

        <1> FRIEND OR FAMILY MEMBER
        <2> HOSPITAL OR DOCTOR'S OFFICE/URGENT CARE
        <3> CHURCH OR RELIGIOUS INSTITUTION
        <4> NON-PROFIT ORGANIZATION
        <5> GOVERNMENT OFFICE

        <0> OTHER: SPECIFY [specify]

        <7> NONE/WOULDN'T SEEK SUPPORT/WOULD HANDLE MYSELF

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

        @

>casal05a< [settime Tlawlorstop][settime Tcasal2start][if random3 eq <2> goto casal05b][if random3
eq <3> goto casal05c]

    [red]IWER: THERE ARE MULTIPLE VERSIONS OF THIS QUESTION; PLEASE READ CAREFULLY[n]

  For the next set of questions, I'd like you to imagine that you are voting
  in a local school board election. I'll give you information about a
  candidate, and ask to you rate how you would view that candidate on the
  same 1 to 5 scale as before, where 1 is "strongly oppose," 5 is
  "strongly favor," and 3 is "neither favor nor oppose." Treat each question
  as a separate candidate and election.

  This candidate supports the expansion of charter schools. How would you
  rate this candidate?

        <1-5>

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

        @

>casal05b< [if random3 eq <1> goto casal06a][if random3 eq <3> goto casal05c]

    [red]IWER: THERE ARE MULTIPLE VERSIONS OF THIS QUESTION; PLEASE READ CAREFULLY[n]

  For the next set of questions, I'd like you to imagine that you are voting
  in a local school board election. I'll give you information about a
  candidate, and ask to you rate how you would view that candidate on the
  same 1 to 5 scale as before, where 1 is "strongly oppose," 5 is
  "strongly favor," and 3 is "neither favor nor oppose." Treat each question
  as a separate candidate and election.

  This candidate supports the expansion of charter schools and has received
  policy advice and campaign donations from the National Education Reform
  Alliance, a national school reform organization which supports charter
  schools. How would you rate this candidate?

        <1-5>

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

        @

>casal05c< [if random3 eq <1> goto casal06a][if random3 eq <2> goto casal06b]

    [red]IWER: THERE ARE MULTIPLE VERSIONS OF THIS QUESTION; PLEASE READ CAREFULLY[n]

  For the next set of questions, I'd like you to imagine that you are voting
  in a local school board election. I'll give you information about a
  candidate, and ask to you rate how you would view that candidate on the
  same 1 to 5 scale as before, where 1 is "strongly oppose," 5 is
  "strongly favor," and 3 is "neither favor nor oppose." Treat each question
  as a separate candidate and election.

  This candidate supports the expansion of charter schools and has received
  policy advice and campaign donations from your local Education Reform
  Alliance, a school reform organization in your district which supports
  charter schools. How would you rate this candidate?

        <1-5>

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

        @

>casal06a< [if random3 eq <2> goto casal06b][if random3 eq <3> goto casal06c]

    [red]IWER: THERE ARE MULTIPLE VERSIONS OF THIS QUESTION; PLEASE READ CAREFULLY[n]

  This candidate supports the Common Core Standards. How would you
  rate this candidate?

        <1-5>

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

        @

>casal06b< [if random3 eq <1> goto casal07a][if random3 eq <3> goto casal06c]

    [red]IWER: THERE ARE MULTIPLE VERSIONS OF THIS QUESTION; PLEASE READ CAREFULLY[n]

  This candidate supports the Common Core Standards and has received policy
  advice and campaign donations from the National Education Reform Alliance,
  a national school reform organization which supports the implementation of
  the Common Core. How would you rate this candidate?

        <1-5>

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

        @

>casal06c< [if random3 eq <1> goto casal07a][if random3 eq <2> goto casal07b]

    [red]IWER: THERE ARE MULTIPLE VERSIONS OF THIS QUESTION; PLEASE READ CAREFULLY[n]

  This candidate supports the Common Core Standards and has received policy
  advice and campaign donations from your local Education Reform Alliance, a
  school reform organization in your district which supports the
  implementation of the Common Core. How would you rate this candidate?

        <1-5>

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

```
             @

>casal07a< [if random3 eq <2> goto casal07b][if random3 eq <3> goto casal07c]

     [red]IWER: THERE ARE MULTIPLE VERSIONS OF THIS QUESTION; PLEASE READ CAREFULLY[n]

  This candidate supports linking teacher pay to student achievement,
  including performance on standardized tests. How would you rate this
  candidate?

        <1-5>

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

        @

>casal07b< [if random3 eq <1> goto vacc00][if random3 eq <3> goto casal07c]

     [red]IWER: THERE ARE MULTIPLE VERSIONS OF THIS QUESTION; PLEASE READ CAREFULLY[n]

  This candidate supports linking teacher pay to student achievement,
  including performance on standardized tests, and has received policy
  advice and campaign donations from the National Education Reform Alliance,
  a national school reform organization which supports changes in teacher pay.
  How would you rate this candidate?

        <1-5>

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

        @

>casal07c< [if random3 eq <1> goto vacc00][if random3 eq <2> goto vacc00]

     [red]IWER: THERE ARE MULTIPLE VERSIONS OF THIS QUESTION; PLEASE READ CAREFULLY[n]

  This candidate supports linking teacher pay to student achievement,
  including performance on standardized tests, and has received policy advice
  and campaign donations from your local Education Reform Alliance, a school
  reform organization in your district which supports changes in teacher pay.
  How would you rate this candidate?

        <1-5>

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

        @

>vacc00< [settime Tcasal2stop][settime Tvaccstart]

  Now we would like to ask you a few questions about your views on vaccines
  and health information.

  Have you ever requested a vaccine waiver from your county health department
  to exempt a child from one or more vaccines?

        <1> YES
        <2> NO

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

        @
```

>vacc01a<

  How have you learned about vaccines? For each of the following, please say yes or no.

  Family physician or pediatrician

                  <1> YES
                  <2> NO

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

                  @

>vacc01b<

  (How have you learned about vaccines? For each of the following, please say yes or no.)

  Chiropractor

                  <1> YES
                  <2> NO

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

                  @

>vacc01c<

  (How have you learned about vaccines? For each of the following, please say yes or no.)

  Other alternative health care provider

                  <1> YES
                  <2> NO

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

                  @

>vacc01d<

  (How have you learned about vaccines? For each of the following, please say yes or no.)

  Books or scientific articles

                  <1> YES
                  <2> NO

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

                  @

>vacc01e<

  (How have you learned about vaccines? For each of the following, please say yes or no.)

  TV, radio, newspapers, or magazines

                  <1> YES
                  <2> NO

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

```
        @

>vacc01f<

  (How have you learned about vaccines? For each of the following, please say yes or no.)

  Websites or social media, including Facebook and Twitter

        <1> YES
        <2> NO

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

        @

>vacc01g<

  (How have you learned about vaccines? For each of the following, please say yes or no.)

  Friends or family

        <1> YES
        <2> NO

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

        @

>vacc02a<

  For each of the following statements about vaccines, please tell me whether you
  strongly agree, moderately agree, moderately disagree, strongly disagree,
  or are not sure.

  Vaccines are safe.

        <1> STRONGLY AGREE
        <2> MODERATELY AGREE
        <3> MODERATELY DISAGREE
        <4> STRONGLY DISAGREE

        <8> NOT SURE/DO NOT KNOW

        <9> [commandbutton <REFUSED THIS QUESTION>]

        @

>vacc02b<

  (For each of the following statements about vaccines, please tell me whether you
  strongly agree, moderately agree, moderately disagree, strongly disagree,
  or are not sure.)

  Vaccines contain mercury in dangerous amounts.

        <1> STRONGLY AGREE
        <2> MODERATELY AGREE
        <3> MODERATELY DISAGREE
        <4> STRONGLY DISAGREE

        <8> NOT SURE/DO NOT KNOW

        <9> [commandbutton <REFUSED THIS QUESTION>]
```

```
        @

>vacc02c<

  (For each of the following statements about vaccines, please tell me whether you
  strongly agree, moderately agree, moderately disagree, strongly disagree,
  or are not sure.)

  Vaccines are effective at preventing diseases.

        <1> STRONGLY AGREE
        <2> MODERATELY AGREE
        <3> MODERATELY DISAGREE
        <4> STRONGLY DISAGREE

        <8> NOT SURE/DO NOT KNOW

        <9> [commandbutton <REFUSED THIS QUESTION>]

        @

>vacc02d<

  (For each of the following statements about vaccines, please tell me whether you
  strongly agree, moderately agree, moderately disagree, strongly disagree,
  or are not sure.)

  Many of the illnesses that vaccines prevent are severe.

        <1> STRONGLY AGREE
        <2> MODERATELY AGREE
        <3> MODERATELY DISAGREE
        <4> STRONGLY DISAGREE

        <8> NOT SURE/DO NOT KNOW

        <9> [commandbutton <REFUSED THIS QUESTION>]

        @

>vacc02e<

  (For each of the following statements about vaccines, please tell me whether you
  strongly agree, moderately agree, moderately disagree, strongly disagree,
  or are not sure.)

  We give children the right number of vaccines.

        <1> STRONGLY AGREE
        <2> MODERATELY AGREE
        <3> MODERATELY DISAGREE
        <4> STRONGLY DISAGREE

        <8> NOT SURE/DO NOT KNOW

        <9> [commandbutton <REFUSED THIS QUESTION>]

        @

>vacc02f<

  (For each of the following statements about vaccines, please tell me whether you
  strongly agree, moderately agree, moderately disagree, strongly disagree,
  or are not sure.)

  The timing of the current vaccination schedule is appropriate.
```

43

```
         <1> STRONGLY AGREE
         <2> MODERATELY AGREE
         <3> MODERATELY DISAGREE
         <4> STRONGLY DISAGREE

         <8> NOT SURE/DO NOT KNOW

         <9> [commandbutton <REFUSED THIS QUESTION>]

             @
```

>vacc02g<

  (For each of the following statements about vaccines, please tell me whether you
  strongly agree, moderately agree, moderately disagree, strongly disagree,
  or are not sure.)

  I'm morally opposed to vaccinating children.

```
         <1> STRONGLY AGREE
         <2> MODERATELY AGREE
         <3> MODERATELY DISAGREE
         <4> STRONGLY DISAGREE

         <8> NOT SURE/DO NOT KNOW

         <9> [commandbutton <REFUSED THIS QUESTION>]

             @
```

>vacc02h<

  (For each of the following statements about vaccines, please tell me whether you
  strongly agree, moderately agree, moderately disagree, strongly disagree,
  or are not sure.)

  Vaccines conflict with my belief that children should use toxin-free
  natural products.

```
         <1> STRONGLY AGREE
         <2> MODERATELY AGREE
         <3> MODERATELY DISAGREE
         <4> STRONGLY DISAGREE

         <8> NOT SURE/DO NOT KNOW

         <9> [commandbutton <REFUSED THIS QUESTION>]

             @
```

>vacc02i<

  (For each of the following statements about vaccines, please tell me whether you
  strongly agree, moderately agree, moderately disagree, strongly disagree,
  or are not sure.)

  The government should not force children to get vaccinated to attend school.

```
         <1> STRONGLY AGREE
         <2> MODERATELY AGREE
         <3> MODERATELY DISAGREE
         <4> STRONGLY DISAGREE

         <8> NOT SURE/DO NOT KNOW

         <9> [commandbutton <REFUSED THIS QUESTION>]
```

@

>vacc02j<

(For each of the following statements about vaccines, please tell me whether you
strongly agree, moderately agree, moderately disagree, strongly disagree,
or are not sure.)

My right to consent to medical treatment means that vaccinations should always
be voluntary.

       <1> STRONGLY AGREE
       <2> MODERATELY AGREE
       <3> MODERATELY DISAGREE
       <4> STRONGLY DISAGREE

       <8> NOT SURE/DO NOT KNOW

       <9> [commandbutton <REFUSED THIS QUESTION>]

       @

>vacc02k<

(For each of the following statements about vaccines, please tell me whether you
strongly agree, moderately agree, moderately disagree, strongly disagree,
or are not sure.)

Vaccines contain dangerous ingredients.

       <1> STRONGLY AGREE
       <2> MODERATELY AGREE
       <3> MODERATELY DISAGREE
       <4> STRONGLY DISAGREE

       <8> NOT SURE/DO NOT KNOW

       <9> [commandbutton <REFUSED THIS QUESTION>]

       @

>vacc02l<

(For each of the following statements about vaccines, please tell me whether you
strongly agree, moderately agree, moderately disagree, strongly disagree,
or are not sure.)

Vaccines may cause autism.

       <1> STRONGLY AGREE
       <2> MODERATELY AGREE
       <3> MODERATELY DISAGREE
       <4> STRONGLY DISAGREE

       <8> NOT SURE/DO NOT KNOW

       <9> [commandbutton <REFUSED THIS QUESTION>]

       @

>vacc02m<

(For each of the following statements about vaccines, please tell me whether you
strongly agree, moderately agree, moderately disagree, strongly disagree,
or are not sure.)

Some vaccines are unnecessary since they target relatively harmless diseases.

45

```
        <1> STRONGLY AGREE
        <2> MODERATELY AGREE
        <3> MODERATELY DISAGREE
        <4> STRONGLY DISAGREE

        <8> NOT SURE/DO NOT KNOW

        <9> [commandbutton <REFUSED THIS QUESTION>]

        @
```

>vacc02n<

  (For each of the following statements about vaccines, please tell me whether you
  strongly agree, moderately agree, moderately disagree, strongly disagree,
  or are not sure.)

  Diseases provide better immunity than vaccines do.

```
        <1> STRONGLY AGREE
        <2> MODERATELY AGREE
        <3> MODERATELY DISAGREE
        <4> STRONGLY DISAGREE

        <8> NOT SURE/DO NOT KNOW

        <9> [commandbutton <REFUSED THIS QUESTION>]

        @
```

>vacc02o<

  (For each of the following statements about vaccines, please tell me whether you
  strongly agree, moderately agree, moderately disagree, strongly disagree,
  or are not sure.)

  We give vaccines to children when they are too young.

```
        <1> STRONGLY AGREE
        <2> MODERATELY AGREE
        <3> MODERATELY DISAGREE
        <4> STRONGLY DISAGREE

        <8> NOT SURE/DO NOT KNOW

        <9> [commandbutton <REFUSED THIS QUESTION>]

        @
```

>vacc02p<

  (For each of the following statements about vaccines, please tell me whether you
  strongly agree, moderately agree, moderately disagree, strongly disagree,
  or are not sure.)

  We give children too many vaccines.

```
        <1> STRONGLY AGREE
        <2> MODERATELY AGREE
        <3> MODERATELY DISAGREE
        <4> STRONGLY DISAGREE

        <8> NOT SURE/DO NOT KNOW

        <9> [commandbutton <REFUSED THIS QUESTION>]
```

@

>vacc02q<

(For each of the following statements about vaccines, please tell me whether you
strongly agree, moderately agree, moderately disagree, strongly disagree,
or are not sure.)

Vaccines are a major advancement for humanity.

        <1> STRONGLY AGREE
        <2> MODERATELY AGREE
        <3> MODERATELY DISAGREE
        <4> STRONGLY DISAGREE

        <8> NOT SURE/DO NOT KNOW

        <9> [commandbutton <REFUSED THIS QUESTION>]

        @

>vacc02r<

(For each of the following statements about vaccines, please tell me whether you
strongly agree, moderately agree, moderately disagree, strongly disagree,
or are not sure.)

Vaccines are disgusting to me.

        <1> STRONGLY AGREE
        <2> MODERATELY AGREE
        <3> MODERATELY DISAGREE
        <4> STRONGLY DISAGREE

        <8> NOT SURE/DO NOT KNOW

        <9> [commandbutton <REFUSED THIS QUESTION>]

        @

>vacc02s<

(For each of the following statements about vaccines, please tell me whether you
strongly agree, moderately agree, moderately disagree, strongly disagree,
or are not sure.)

To protect public health, we should follow government guidelines about vaccines.

        <1> STRONGLY AGREE
        <2> MODERATELY AGREE
        <3> MODERATELY DISAGREE
        <4> STRONGLY DISAGREE

        <8> NOT SURE/DO NOT KNOW

        <9> [commandbutton <REFUSED THIS QUESTION>]

        @

>vacc02t<

(For each of the following statements about vaccines, please tell me whether you
strongly agree, moderately agree, moderately disagree, strongly disagree,
or are not sure.)

It is legitimate for government to mandate vaccinations.

47

```
        <1> STRONGLY AGREE
        <2> MODERATELY AGREE
        <3> MODERATELY DISAGREE
        <4> STRONGLY DISAGREE

        <8> NOT SURE/DO NOT KNOW

        <9> [commandbutton <REFUSED THIS QUESTION>]

        @
```

>vacc03a<

When it comes to information about your health, how much confidence do you have in
the following groups or organizations? For each, please tell me whether you have
none at all, only a little, a moderate amount, or a great deal of confidence.

Family physicians or pediatricians

```
        <1> NONE AT ALL
        <2> ONLY A LITTLE
        <3> A MODERATE AMOUNT
        <4> A GREAT DEAL

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

        @
```

>vacc03b<

(When it comes to information about your health, how much confidence do you have in
the following groups or organizations? For each, please tell me whether you have
none at all, only a little, a moderate amount, or a great deal of confidence.)

Chiropractors

```
        <1> NONE AT ALL
        <2> ONLY A LITTLE
        <3> A MODERATE AMOUNT
        <4> A GREAT DEAL

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

        @
```

>vacc03c<

(When it comes to information about your health, how much confidence do you have in
the following groups or organizations? For each, please tell me whether you have
none at all, only a little, a moderate amount, or a great deal of confidence.)

Other alternative health care providers

```
        <1> NONE AT ALL
        <2> ONLY A LITTLE
        <3> A MODERATE AMOUNT
        <4> A GREAT DEAL

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

        @
```

>vacc03d<

(When it comes to information about your health, how much confidence do you have in
the following groups or organizations? For each, please tell me whether you have
none at all, only a little, a moderate amount, or a great deal of confidence.)

The U.S. Centers for Disease Control & Prevention or CDC

        <1> NONE AT ALL
        <2> ONLY A LITTLE
        <3> A MODERATE AMOUNT
        <4> A GREAT DEAL

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

        @

>vacc03e<

  (When it comes to information about your health, how much confidence do you have in
  the following groups or organizations? For each, please tell me whether you have
  none at all, only a little, a moderate amount, or a great deal of confidence.)

  The U.S. Food & Drug Administration or FDA

        <1> NONE AT ALL
        <2> ONLY A LITTLE
        <3> A MODERATE AMOUNT
        <4> A GREAT DEAL

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

        @

>vacc03f<

  (When it comes to information about your health, how much confidence do you have in
  the following groups or organizations? For each, please tell me whether you have
  none at all, only a little, a moderate amount, or a great deal of confidence.)

  School administrators in my local school district

        <1> NONE AT ALL
        <2> ONLY A LITTLE
        <3> A MODERATE AMOUNT
        <4> A GREAT DEAL

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

        @

>vacc03g<

  (When it comes to information about your health, how much confidence do you have in
  the following groups or organizations? For each, please tell me whether you have
  none at all, only a little, a moderate amount, or a great deal of confidence.)

  Parents you know

        <1> NONE AT ALL
        <2> ONLY A LITTLE
        <3> A MODERATE AMOUNT
        <4> A GREAT DEAL

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

49

```
        @

>vacc03h<

  (When it comes to information about your health, how much confidence do you have in
  the following groups or organizations? For each, please tell me whether you have
  none at all, only a little, a moderate amount, or a great deal of confidence.)

  The scientific community

        <1> NONE AT ALL
        <2> ONLY A LITTLE
        <3> A MODERATE AMOUNT
        <4> A GREAT DEAL

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

        @

>vacc03i<

  (When it comes to information about your health, how much confidence do you have in
  the following groups or organizations? For each, please tell me whether you have
  none at all, only a little, a moderate amount, or a great deal of confidence.)

  Pharmaceutical companies

        <1> NONE AT ALL
        <2> ONLY A LITTLE
        <3> A MODERATE AMOUNT
        <4> A GREAT DEAL

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

        @

>ippsr54< [settime Tvaccstop][settime Tippsr2start]

  Next, we would like to learn about your feelings toward some groups of
  people, using a scale of 0 to 10. A rating of 0 means you feel as cold
  and negative as possible toward the group. A rating of 10 means you feel
  as warm and positive as possible toward the group. A rating of 5 means
  you don't feel particularly positive or negative towards the group.

  How do you feel about Muslims?

  (A rating of 0 means you feel as cold and negative as
  possible toward the group. A rating of 10 means you feel as warm and
  positive as possible toward a group. A rating of 5 means you don't feel
  particularly positive or negative towards the group.)

        <0-10>

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

        @

>ippsr55<

  How do you feel about African Americans?

  (A rating of 0 means you feel as cold and negative as
  possible toward the group. A rating of 10 means you feel as warm and
```

positive as possible toward a group. A rating of 5 means you don't feel
particularly positive or negative towards the group.)

       `<0-10>`

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

       @

>ippsr56<

How do you feel about Hispanics and Latinos?

(A rating of 0 means you feel as cold and negative as
possible toward the group. A rating of 10 means you feel as warm and
positive as possible toward a group. A rating of 5 means you don't feel
particularly positive or negative towards the group.)

       `<0-10>`

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

       @

>ippsr57<

How do you feel about Whites?

(A rating of 0 means you feel as cold and negative as
possible toward the group. A rating of 10 means you feel as warm and
positive as possible toward a group. A rating of 5 means you don't feel
particularly positive or negative towards the group.)

       `<0-10>`

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

       @

>ippsr130<

Aside from weddings and funerals, how often do you attend religious services?
More than once a week, once a week, once or twice a month, a few times a year,
seldom, or never?

       `<1>` MORE THAN ONCE A WEEK
       `<2>` ONCE A WEEK
       `<3>` ONCE OR TWICE A MONTH
       `<4>` A FEW TIMES A YEAR
       `<5>` SELDOM
       `<6>` NEVER

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

       @

>ippsr120<

Although there are a number of qualities that people feel that children should have,
every person thinks that some are more important than others. I am going to read you
pairs of desirable qualities. Please tell me which one you think is
more important for a child to have.

Independence or respect for elders

         <1> INDEPENDENCE
         <2> RESPECT FOR ELDERS

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

            @

>ippsr121<

  (I am going to read you pairs of desirable qualities. Please tell me which
  one you think is more important for a child to have.)

  Obedience or self-reliance

         <1> OBEDIENCE
         <2> SELF-RELIANCE

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

            @

>ippsr151<

  Please tell me whether you strongly agree, somewhat agree, somewhat disagree,
  or strongly disagree with the following statements:

  Our country is changing too fast, undermining traditional American values.

         <1> STRONGLY AGREE
         <2> SOMEWHAT AGREE
         <3> NEITHER AGREE NOR DISAGREE (R VOLUNTEERED)
         <4> SOMEWHAT DISAGREE
         <5> STRONGLY DISAGREE

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

            @

>ippsr152<

  By accepting diverse cultures and lifestyles, our country is steadily improving.

  (Please tell me whether you strongly agree, somewhat agree,
  somewhat disagree, or strongly disagree).

         <1> STRONGLY AGREE
         <2> SOMEWHAT AGREE
         <3> NEITHER AGREE NOR DISAGREE (R VOLUNTEERED)
         <4> SOMEWHAT DISAGREE
         <5> STRONGLY DISAGREE

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

            @

>ippsr71<

  Police officers often use too much force in carrying out their duties.

  (Please tell me whether you strongly agree, somewhat agree,
  somewhat disagree, or strongly disagree).

```
        <1> STRONGLY AGREE
        <2> SOMEWHAT AGREE
        <3> NEITHER AGREE NOR DISAGREE (R VOLUNTEERED)
        <4> SOMEWHAT DISAGREE
        <5> STRONGLY DISAGREE

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

        @

>ippsr72<

  Media and public attention make it too hard for police officers
  to do their jobs.

  (Please tell me whether you strongly agree, somewhat agree,
  somewhat disagree, or strongly disagree).

        <1> STRONGLY AGREE
        <2> SOMEWHAT AGREE
        <3> NEITHER AGREE NOR DISAGREE (R VOLUNTEERED)
        <4> SOMEWHAT DISAGREE
        <5> STRONGLY DISAGREE

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

        @

>ippsr122<

  Irish, Italian, Jewish, and many other minorities overcame prejudice and worked
  their way up. African Americans should do the same without any special favors.

  (Please tell me whether you strongly agree, somewhat agree,
  somewhat disagree, or strongly disagree).

        <1> STRONGLY AGREE
        <2> SOMEWHAT AGREE
        <3> NEITHER AGREE NOR DISAGREE (R VOLUNTEERED)
        <4> SOMEWHAT DISAGREE
        <5> STRONGLY DISAGREE

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

        @

>ippsr123<

  Generations of slavery and discrimination have created conditions that
  make it difficult for African Americans to work their way up financially.

  (Please tell me whether you strongly agree, somewhat agree,
  somewhat disagree, or strongly disagree).

        <1> STRONGLY AGREE
        <2> SOMEWHAT AGREE
        <3> NEITHER AGREE NOR DISAGREE (R VOLUNTEERED)
        <4> SOMEWHAT DISAGREE
        <5> STRONGLY DISAGREE

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

```
          @

>pre_RI<  [settime Tippsr2stop][settime Tcore4start]

>pre_RI2<

>RI<  [loc 23/1][optionbuttons on hide textbox hide codes]

  Thank you for answering our questions.

  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> NO[goto raceperc]

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

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

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

        @

>email<  [optionbuttons on hide codes]

  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]

>raceperc<

  Finally, what do you think is my racial or ethnic background?

        <1> WHITE OR CAUCASIAN
        <2> AFRICAN AMERICAN OR BLACK
        <4> ASIAN OR ASIAN AMERICAN
        <6> HISPANIC/LATINO/LATINA/SPANISH ORIGIN
        <5> AMERICAN INDIAN OR ALASKA NATIVE
        <3> HAWAIIAN OR OTHER PACIFIC ISLANDER
        <7> MULTI-RACIAL

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

54

```
         @

>out<    [settime Tcore4stop]
         [subtime Tcore1start from Tcore1stop into Tcore1]
         [subtime Tcore2start from Tcore2stop into Tcore2]
         [subtime Tcore3start from Tcore3stop into Tcore3]
         [subtime Tcore4start from Tcore4stop into Tcore4]
         [subtime Tippsr1start from Tippsr1stop into Tippsr1]
         [subtime Tippsr2start from Tippsr2stop into Tippsr2]
         [subtime Tmnastart from Tmnastop into Tmna]
         [subtime Tenvistart from Tenvistop into Tenvi]
         [subtime Tlawlorstart from Tlawlorstop into Tlawlor]
         [subtime Tvaccstart from Tvaccstop into Tvacc]
         [subtime Tcasal1start from Tcasal1stop into Tcasal1]
         [subtime Tcasal2start from Tcasal2stop into Tcasal2]

>contacts< [loc 24/1][allow 2][store TCNT in contacts]
>length<[allow 4][store TTIM in length]
>idate< [allow 8][store IDAT in idate]
>iwer< [allow int 3][store INVW in iwer]
>males< [allow int 2][store male in males]
>females< [allow int 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]

>end<

>ippsr102e< [loc 21/50][optionbuttons on hide textbox hide codes]

  The Michigan presidential ballot included Hillary Clinton for the Democrats,
  Donald Trump for the Republicans, Gary Johnson for the Libertarians,
  and Jill Stein for the Greens. Who did you vote for?

         <1> HILLARY CLINTON (DEMOCRAT)[goto casal01]
         <2> DONALD TRUMP (REPUBLICAN)[goto casal01]
         <3> GARY JOHNSON (LIBERTARIAN)[goto casal01]
         <4> JILL STEIN (GREEN)[goto casal01]
         <0> OTHER: SPECIFY [specify][goto casal01]

         <6> DID NOT VOTE/NO ONE/NONE[goto casal01]

         <8>[commandbutton <UNDECIDED/DO NOT KNOW>][goto casal01]
         <9>[commandbutton <REFUSED THIS QUESTION>][goto casal01]

         @
```

12. SPSS Data Import Syntax (New RDD)

```
 /*  SPSS Data Definition File
 /*  Created by ddltox on Nov 18, 2016  (Fri 01:57 PM EST)
 /*  DDL source file: "soss73rdd.ddl".


TITLE "Michigan State of the State 73".
COMMENT  DDL indicates that dataset record length (reclen) is 80 columns.


DATA LIST fixed records=7
  FILE=""  /* Replace 'x' with full path name of your input data file.
 /1        CASEID 1-5 (A)          ID1 1-5 (A)                    R1 6
                cnty 7-11             regn 12        randippsr1 13 (A)
       randippsr3 14 (A)     random2a 15 (A)         random2b 16 (A)
         random3 17 (A)       random4 18 (A)         city2 19-38 (A)
              listed 39              CC1 40                  CC2 41
                 CC3 42              CC4 43                  CC5 44
                 CC6 45              PO1 46                  PO2 47
 /2            CD1 1               CD2 2-3                  CD3 4-5
               CD5a 6              CD4@a 7                 CD4@b 8
              CD4@c 9              CD4@d 10                CD4@e 11
             CD4@f 12              CD4@g 13                CD6 14-15
             CD7@a 16              CD7@b 17                CD7@c 18
             CD7@d 19             partyid 20               P17@a 21
             P17@b 22              P17@c 23                P17@d 24
           ideology 25              CD8 26             married 27 (A)
            CD10 28-29           CD11 30-31              CD15 32-33
               UN1 34               UN2 35                  UN3 36
               inca 37              incb 38                incca 39
               incc 40              incd 41                 incf 42
               incg 43              inch 44                incha 45
               inci 46           income 47-48             CD26 49-50
                 X1 51          zipcode 52-56      demo_county 57-59
         demo_Detroit 60       cellular2 61-62        demo_cell1 63
         demo_cell4 64-66        ippsr111 67            ippsr112 68
         grossmann4a 69       grossmann4b 70            ippsr141 71
         ippsr142a 72-73      ippsr142b 74-75         ippsr10 76-77
          ippsr12p1a 78        ippsr12p1b 79           ippsr12p2a 80
 /3       ippsr12p2b 1         ippsr12pa 2-3           ippsr12pb 4-5
           ippsr101c 6          ippsr101t 7             ippsr102 8
           ippsr103 9           ippsr104 10             ippsr105a 11
           ippsr105b 12          casal01 13              casal02 14
             casal03 15          casal04 16                 v5 17
                 v8 18           volopp 19-20              av101 21
              av102 22              ta5 23                  ta6 24
                 v1 25               v4 26                  v9 27
          volopp100 28-29         envi01 30              envi02 31
              envi03 32           envi04 33            lawlor01 34
          lawlor03 35 (A)     lawlor04 36 (A)           casal05a 37
             casal05b 38         casal05c 39            casal06a 40
             casal06b 41         casal06c 42            casal07a 43
             casal07b 44         casal07c 45               vacc00 46
              vacc01a 47          vacc01b 48             vacc01c 49
              vacc01d 50          vacc01e 51             vacc01f 52
              vacc01g 53          vacc02a 54             vacc02b 55
              vacc02c 56          vacc02d 57             vacc02e 58
              vacc02f 59          vacc02g 60             vacc02h 61
              vacc02i 62          vacc02j 63             vacc02k 64
              vacc02l 65          vacc02m 66             vacc02n 67
              vacc02o 68          vacc02p 69             vacc02q 70
              vacc02r 71          vacc02s 72             vacc02t 73
              vacc03a 74          vacc03b 75             vacc03c 76
              vacc03d 77          vacc03e 78             vacc03f 79
              vacc03g 80
 /4           vacc03h 1           vacc03i 2             ippsr54 3-4
             ippsr55 5-6         ippsr56 7-8           ippsr57 9-10
             ippsr130 11         ippsr120 12           ippsr121 13
             ippsr151 14         ippsr152 15
              ippsr71 16          ippsr72 17
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                ippsr122 18
                ippsr123 19             ippsr102e 50
  /6                RI 1                     RIa 2              email 3-42 (A)
          rname 43-62 (A)             raceperc 63
  /7          contacts 1-2               length 3-6               idate 7-14
               iwer 15-17             males 18-19            females 20-21
               FNL 64-65
   .

VARIABLE LABELS
   CASEID    'case identification number' /
   ID1       'Case ID' /
   R1        'Data Record' /
   cnty      'County' /
   regn      'Region' /
   randippsr1 'Random 1' /
   randippsr3 'Random 2' /
   random2a  'Random 3' /
   random2b  'Random 4' /
   random3   'Random 5' /
   random4   'Random 6' /
   city2     'City' /
   listed    'Sample' /
   CC1       'Confidence: Past Financial' /
   CC2       'Confidence: Future Financial' /
   CC3       'Confidence: Current Financial' /
   CC4       'Confidence: Inflation Rate' /
   CC5       'Confidence: Unemployment Situation' /
   CC6       'Confidence: Business Conditions' /
   PO1       'Politics: Obama Rating' /
   PO2       'Politics: Snyder Rating' /
   CD1       'Demographic: Sex' /
   CD2       'Demographic: Year of Birth' /
   CD3       'Demographic: Education' /
   CD5a      'Demographic: Ethnicity' /
   CD4@a     'Race: White/Caucasian' /
   CD4@b     'Race: African American or Black' /
   CD4@c     'Race: Hawaiian or other Pacific Islander' /
   CD4@d     'Race: Asian' /
   CD4@e     'Race: American Indian or Alaska Native' /
   CD4@f     'Race: Other' /
   CD4@g     'Race: Refused' /
   CD6       'Demographic: Religious Background' /
   CD7@a     'Political: Party ID' /
   CD7@b     'Political: Party - Republican' /
   CD7@c     'Political: Party - Democrat' /
   CD7@d     'Political: Party - Independent' /
   partyid   'Political: Party - Lean' /
   P17@a     'Political: Ideology' /
   P17@b     'Political: Ideology - Conservative' /
   P17@c     'Political: Ideology - Liberal' /
   P17@d     'Political: Ideology - Middle/Neither' /
   ideology  'Political: Ideology - Lean' /
   CD8       'Demographic: Marital Status' /
   married   'Demographic: Married' /
   CD10      'Household: Adults' /
   CD11      'Household: Children' /
   CD15      'Employment' /
   UN1       'Employment: Union Member' /
   UN2       'Employment: Ever Union Member' /
   UN3       'Employment: Union Family' /
   inca      'Income: Above $40,000' /
   incb      'Income: Below $20,000' /
   incca     'Income: Below $30,000' /
   incc      'Income: Below $10,000' /
   incd      'Income: Above $60,000' /
   incf      'Income: Above $50,000' /
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incg        'Income: Above $100,000' /
inch        'Income: Above $70,000' /
incha       'Income: Above $90,000' /
inci        'Income: Above $150,000' /
income      'Income' /
CD26        'Household: Phone Lines' /
X1          'Location: Community Type' /
zipcode     'Location: ZIP Code' /
demo_county 'Location: County' /
demo_Detroit 'Location: Detroit' /
cellular2   'Location: City' /
demo_cell1  'Cell Phone' /
demo_cell4  'Cell Phone: Calls' /
ippsr111    'Tobacco: Ever' /
ippsr112    'Tobacco: Current' /
grossmann4a 'Political Knowledge: Trump VP' /
grossmann4b 'Political Knowledge: Clinton VP' /
ippsr141    'Primary: Voted' /
ippsr142a   'Primary: Voted For' /
ippsr142b   'Primary: Support' /
ippsr10     'Election: Voting Likelihood' /
ippsr12p1a  'Election: Support A' /
ippsr12p1b  'Election: Lean A' /
ippsr12p2a  'Election: Support B' /
ippsr12p2b  'Election: Lean B' /
ippsr12pa   'Election: Support (Combined)' /
ippsr12pb   'Election: Lean (Combined)' /
ippsr101c   'Election: For Clinton or Against Trump' /
ippsr101t   'Election: For Trump or Against Clinton' /
ippsr102    'Election: Vote (All Candidates)' /
ippsr103    'Election: Win Election' /
ippsr104    'Election: Win Michigan' /
ippsr105a   'Election: House of Representatives A' /
ippsr105b   'Election: House of Representatives B' /
casal01     'Education: Policy Influence' /
casal02     'Education: Charter Schools' /
casal03     'Education: Common Core' /
casal04     'Education: Teacher Pay' /
v5          'Volunteer: Last Year' /
v8          'Volunteer: Next Year' /
volopp      'Volunteer: Opportunities' /
av101       'Volunteer: Influence' /
av102       'Charity: Influence' /
ta5         'Charity: Communities' /
ta6         'Charity: Tax Exemption' /
v1          'Charity: Donate' /
v4          'Charity: Next Year' /
v9          'Charity: Volunteer' /
volopp100   'Charity: Opportunities' /
envi01      'Environment: Governor' /
envi02      'Environment: State Agencies' /
envi03      'Environment: State Legislature' /
envi04      'Environment: Local Officials' /
lawlor01    'Disaster: Health Resources' /
lawlor03    'Disaster: Physical Health Resources' /
lawlor04    'Disaster: Mental Health Resources' /
casal05a    'Education Vote 1: Charter School Expansion' /
casal05b    'Education Vote 1: National Education Reform Alliance' /
casal05c    'Education Vote 1: Local Education Reform Alliance' /
casal06a    'Education Vote 2: Common Core' /
casal06b    'Education Vote 2: National Education Reform Alliance' /
casal06c    'Education Vote 2: Local Education Reform Alliance' /
casal07a    'Education Vote 3: Teacher Pay' /
casal07b    'Education Vote 3: National Education Reform Alliance' /
casal07c    'Education Vote 3: Local Education Reform Alliance' /
vacc00      'Vaccines: Waiver' /
vacc01a     'Vaccine Knowledge: Physician' /
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    vacc01b    'Vaccine Knowledge: Chiropractor' /
    vacc01c    'Vaccine Knowledge: Alternative Health Care' /
    vacc01d    'Vaccine Knowledge: Books' /
    vacc01e    'Vaccine Knowledge: News' /
    vacc01f    'Vaccine Knowledge: Internet' /
    vacc01g    'Vaccine Knowledge: Friends' /
    vacc02a    'Vaccines: Safe' /
    vacc02b    'Vaccines: Mercury' /
    vacc02c    'Vaccines: Effective' /
    vacc02d    'Vaccines: Prevent Severe Illness' /
    vacc02e    'Vaccines: Number' /
    vacc02f    'Vaccines: Schedule' /
    vacc02g    'Vaccines: Moral Opposition' /
    vacc02h    'Vaccines: Toxin-Free' /
    vacc02i    'Vaccines: School' /
    vacc02j    'Vaccines: Voluntary' /
    vacc02k    'Vaccines: Dangerous' /
    vacc02l    'Vaccines: Autism' /
    vacc02m    'Vaccines: Unnecessary' /
    vacc02n    'Vaccines: Disease Immunity' /
    vacc02o    'Vaccines: Too Young' /
    vacc02p    'Vaccines: Too Many' /
    vacc02q    'Vaccines: Major Advancement' /
    vacc02r    'Vaccines: Disgusting' /
    vacc02s    'Vaccines: Follow Guidelines' /
    vacc02t    'Vaccines: Legitimate' /
    vacc03a    'Health Confidence: Physicians' /
    vacc03b    'Health Confidence: Chiropractors' /
    vacc03c    'Health Confidence: Alternative Health Care' /
    vacc03d    'Health Confidence: CDC' /
    vacc03e    'Health Confidence: FDA' /
    vacc03f    'Health Confidence: School Administrators' /
    vacc03g    'Health Confidence: Parents' /
    vacc03h    'Health Confidence: Scientific Community' /
    vacc03i    'Health Confidence: Pharmaceutical Companies' /
    ippsr54    'Feelings: Muslims' /
    ippsr55    'Feelings: African Americans' /
    ippsr56    'Feelings: Hispanics and Latinos' /
    ippsr57    'Feelings: Whites' /
    ippsr130   'Attend Religious Services' /
    ippsr120   'Qualities: Independence or Respect' /
    ippsr121   'Qualities: Obedience or Self-Reliance' /
    ippsr151   'Country: Values Undermined' /
    ippsr152   'Country: Accepting Diverse Cultures' /
    ippsr71    'Police: Use of Force' /
    ippsr72    'Police: Media Attention' /
    ippsr122   'Minorities: Overcome without Favors' /
    ippsr123   'Minorities: Difficult Conditions' /
    RI         'Recall' /
    RIa        'Recall: Email' /
    email      'Recall: Email Address' /
    rname      'Recall: Respondent Name' /
    raceperc   'Perceived Interview Race' /
    contacts   'Contacts' /
    length     'Interview Length' /
    idate      'Interview Date' /
    iwer       'Interviewer' /
    males      'Males' /
    females    'Females' /
    ippsr102e  'Election: Voted (After Election Day)' /
    FNL        'Partial Interviews' /
    .

VALUE LABELS
    regn       1 'UPPER PENNINSULA' 2 'NORTHERN MICHIGAN' 3 'WEST CENTRAL'
               4 'EAST CENTRAL' 5 'SOUTHWEST MICHIGAN' 6 'SOUTHEAST MICHIGAN'
               7 'DETROIT' /
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listed    1 'LISTED' 2 'UNLISTED' /
CC1       1 'BETTER OFF' 3 'ABOUT THE SAME (R PROVIDED)' 5 'WORSE OFF'
          8 'DO NOT KNOW' 9 'REFUSED' /
CC2       1 'BETTER OFF' 3 'ABOUT THE SAME (R PROVIDED)' 5 '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' 3 'GO DOWN' 5 'STAY ABOUT THE SAME' 8 'DO NOT KNOW'
          9 'REFUSED' /
CC5       1 'BETTER THAN' 3 'WORSE THAN' 5 'ABOUT THE SAME'
          8 'DO NOT KNOW' 9 'REFUSED' /
CC6       1 'GOOD TIMES' 3 'BAD TIMES'
          5 'NEITHER GOOD NOR BAD; MEDIOCRE STAY THE SAME (R PROVIDED)'
          8 'DO NOT KNOW' 9 'REFUSED' /
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' /
CD1       1 'MALE' 2 'FEMALE' 8 'DO NOT KNOW' 9 'REFUSED' /
CD2       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' 98 'DO NOT KNOW'
          99 'REFUSED' /
CD5a      1 'YES-HISPANIC/LATINO/SPANISH ORIGIN'
          5 'NO-NOT HISPANIC/LATINO/SPANISH ORIGIN' 8 'DO NOT KNOW'
          9 'REFUSED' /
CD4@a     1 'YES' 5 'NO' /
CD4@b     1 'YES' 5 'NO' /
CD4@c     1 'YES' 5 'NO' /
CD4@d     1 'YES' 5 'NO' /
CD4@e     1 'YES' 5 'NO' /
CD4@f     1 'YES' 5 'NO' /
CD4@g     1 'YES' 5 'NO' /
CD6       0 'NONE; NO RELIGIOUS GROUP (include: Atheist, Agnostic)'
          1 'CATHOLIC; ROMAN CATHOLIC, ORTHODOX' 2 'ISLAMIC/MUSLIM'
          3 'JEWISH'
          4 'PROTESTANT (Baptist, Methodist, Lutheran, Episcopalian, etc)'
          5 'OTHER NON-CHRISTIAN (Unitarian-Universalist, Hindu, Druid)'
      6 'OTHER CHRISTIAN (Jehovah Witness, Mormon, 7th Day Adventist, etc)'
          95 'UNABLE TO CLASSIFY/MISC.' 98 'DO NOT KNOW' 99 'REFUSED' /
CD7@a     0 'ANOTHER PARTY, THIRD PARTY, ETC' 1 'REPUBLICAN'
          4 'INDEPENDENT' 7 'DEMOCRAT' 8 'DO NOT KNOW' 9 'REFUSED' /
CD7@b     1 'STRONG REPUBLICAN' 2 'NOT A VERY STRONG REPUBLICAN'
          8 'DO NOT KNOW' 9 'REFUSED' /
CD7@c     6 'NOT A VERY STRONG DEMOCRAT' 7 'STRONG DEMOCRAT'
          8 'DO NOT KNOW' 9 'REFUSED' /
CD7@d     3 'REPUBLICAN' 4 'NEITHER (R PROVIDED)' 5 'DEMOCRAT'
          8 'DO NOT KNOW' 9 'REFUSED' /
partyid   1 'STRONG REPUBLICAN' 2 'NOT STRONG REPUBLICAN'
          3 'LEAN REPUBLICAN' 4 'NEITHER' 5 'LEAN DEMOCRAT'
          6 'NOT STRONG DEMOCRAT' 7 'STRONG DEMOCRAT' 8 'DO NOT KNOW'
          9 'REFUSED' /
P17@a     0 'OTHER' 1 'CONSERVATIVE' 4 'MODERATE' 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 TO THE CONSERVATIVE' 4 'IN THE MIDDLE'
          5 'CLOSER TO THE LIBERAL SIDE' 8 'DO NOT KNOW' 9 'REFUSED' /
ideology  1 'VERY CONSERVATIVE' 2 'SOMEWHAT CONSERVATIVE'
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            3 'LEAN CONSERVATIVE' 4 'MIDDLE' 5 'LEAN LIBERAL'
            6 'SOMEWHAT LIBERAL' 7 'VERY LIBERAL' 8 'DO NOT 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 'MISC/OTHER' 8 'DO NOT KNOW' 9 'REFUSED' /
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 (ON VAC, SICK LEAVE, ETC)'
            6 'UNEMPLOYED, LAID OFF, LOOKING FOR WORK' 7 'RETIRED'
            8 'SCHOOL FULL TIME' 9 'HOMEMAKER' 10 'DISABLED'
            11 'SEMI-RETIRED, RETIRED AND WORKING PART-TIME' 95 'MISC/OTHER'
            98 'DO NOT KNOW' 99 'REFUSED' /
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' /
CD26        98 'DO NOT KNOW' 99 'REFUSED' /
X1          0 'MISC/OTHER' 1 'RURAL COMMUNITY'
            2 'SMALL CITY OR TOWN, VILLAGE' 3 'A SUBURB' 4 'URBAN COMMUNITY'
            8 'DO NOT KNOW' 9 'REFUSED' /
zipcode     8 'DO NOT KNOW' 9 'REFUSED' /
demo_county 0 'GAVE CITY ONLY' 1 'ALCONA' 3 'ALGER' 5 'ALLEGAN' 7 'ALPENA'
            9 'ANTRIM' 11 'ARENAC' 13 'BARAGA' 15 'BARRY' 17 'BAY'
            19 'BENZIE' 21 'BERRIEN' 23 'BRANCH' 25 'CALHOUN' 27 'CASS'
            29 'CHARLEVOIX' 31 'CHEBOYGAN' 33 'CHIPPEWA' 35 'CLARE'
            37 'CLINTON' 39 'CRAWFORD' 41 'DELTA' 43 'DICKINSON' 45 'EATON'
            47 'EMMET' 49 'GENESEE' 51 'GLADWIN' 53 'GOGEBIC'
            55 'GRAND TRAVERSE' 57 'GRATIOT' 59 'HILLSDALE' 61 'HOUGHTON'
            63 'HURON' 65 'INGHAM' 67 'IONIA' 69 'IOSCO' 71 'IRON'
            73 'ISABELLA' 75 'JACKSON' 77 'KALAMAZOO' 79 'KALKASKA'
            81 'KENT' 83 'KEWEENAW' 85 'LAKE' 87 'LAPEER' 89 'LEELANAU'
            91 'LENAWEE' 93 'LIVINGSTON' 95 'LUCE' 97 'MACKINAC' 99 'MACOMB'
            101 'MANISTEE' 103 'MARQUETTE' 105 'MASON' 107 'MECOSTA'
            109 'MENOMINEE' 111 'MIDLAND' 113 'MISSAUKEE' 115 'MONROE'
            117 'MONTCALM' 119 'MONTMORENCY' 121 'MUSKEGON' 123 'NEWAYGO'
            125 'OAKLAND' 127 'OCEANA' 129 'OGEMAW' 131 'ONTONAGON'
            133 'OSCEOLA' 135 'OSCODA' 137 'OTSEGO' 139 'OTTAWA'
            141 'PRESQUE ISLE' 143 'ROSCOMMON' 145 'SAGINAW' 147 'ST. CLAIR'
            149 'ST. JOSEPH' 151 'SANILAC' 153 'SCHOOLCRAFT'
            155 'SHIAWASSEE' 157 'TUSCOLA' 159 'VAN BUREN' 161 'WASHTENAW'
            163 'WAYNE' 165 'WEXFORD' 777 'DO NOT KNOW' 990 'GAVE CITY ONLY'
            995 'DID NOT PROVIDE COUNTY/CITY' 999 'REFUSED' /
demo_Detroit 1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
cellular2 0 'SPECIFY' 98 'DO NOT KNOW' 99 'REFUSED' /
demo_cell1 1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
demo_cell4 777 'ZERO, NONE' 888 'DO NOT KNOW' 999 'REFUSED' /
ippsr111 1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
ippsr112 1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
grossmann4a 1 'MIKE PENCE / PENCE' 2 'ANY OTHER RESPONSE' 8 'DO NOT KNOW'
            9 'REFUSED' /
grossmann4b 1 'TIM KAINE / KAINE' 2 'ANY OTHER RESPONSE' 8 'DO NOT KNOW'
            9 'REFUSED' /
ippsr141 1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
ippsr142a 0 'OTHER: SPECIFY' 1 'HILLARY CLINTON' 2 'BERNIE SANDERS'
            3 'MARTIN O''MALLEY' 4 'CHRIS CHRISTIE' 5 'TED CRUZ'
            6 'RAND PAUL' 7 'JOHN KASICH' 8 'JEB BUSH' 9 'MARCO RUBIO'
            10 'DONALD TRUMP' 11 'BEN CARSON' 12 'CARLY FIORINA'
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            98 'DO NOT KNOW' 99 'REFUSED' /
ippsr142b 0 'OTHER: SPECIFY' 1 'HILLARY CLINTON' 2 'BERNIE SANDERS'
            3 'MARTIN O''MALLEY' 4 'CHRIS CHRISTIE' 5 'TED CRUZ'
            6 'RAND PAUL' 7 'JOHN KASICH' 8 'JEB BUSH' 9 'MARCO RUBIO'
            10 'DONALD TRUMP' 11 'BEN CARSON' 12 'CARLY FIORINA'
            98 'DO NOT KNOW' 99 'REFUSED' /
ippsr10   98 'DO NOT KNOW' 99 'REFUSED' /
ippsr12p1a 0 'OTHER: SPECIFY' 1 'HILLARY CLINTON (DEMOCRAT)'
            2 'DONALD TRUMP (REPUBLICAN)' 6 'NO ONE/NONE/NEITHER'
            8 'DO NOT KNOW' 9 'REFUSED' /
ippsr12p1b 0 'OTHER: SPECIFY' 1 'HILLARY CLINTON (DEMOCRAT)'
            2 'DONALD TRUMP (REPUBLICAN)' 6 'NO ONE/NONE/NEITHER'
            8 'DO NOT KNOW' 9 'REFUSED' /
ippsr12p2a 0 'OTHER: SPECIFY' 1 'HILLARY CLINTON (DEMOCRAT)'
            2 'DONALD TRUMP (REPUBLICAN)' 6 'NO ONE/NONE/NEITHER'
            8 'DO NOT KNOW' 9 'REFUSED' /
ippsr12p2b 0 'OTHER: SPECIFY' 1 'HILLARY CLINTON (DEMOCRAT)'
            2 'DONALD TRUMP (REPUBLICAN)' 6 'NO ONE/NONE/NEITHER'
            8 'DO NOT KNOW' 9 'REFUSED' /
ippsr12pa 0 'OTHER: SPECIFY' 1 'HILLARY CLINTON (DEMOCRAT)'
            2 'DONALD TRUMP (REPUBLICAN)' 6 'NO ONE/NONE/NEITHER'
            8 'DO NOT KNOW' 9 'REFUSED' /
ippsr12pb 0 'OTHER: SPECIFY' 1 'HILLARY CLINTON (DEMOCRAT)'
            2 'DONALD TRUMP (REPUBLICAN)' 6 'NO ONE/NONE/NEITHER'
            8 'DO NOT KNOW' 9 'REFUSED' /
ippsr101c 1 'FOR CLINTON' 2 'AGAINST TRUMP' 8 'DO NOT KNOW' 9 'REFUSED' /
ippsr101t 1 'FOR TRUMP' 2 'AGAINST CLINTON' 8 'DO NOT KNOW' 9 'REFUSED' /
ippsr102  0 'OTHER: SPECIFY' 1 'HILLARY CLINTON (DEMOCRAT)'
            2 'DONALD TRUMP (REPUBLICAN)' 3 'GARY JOHNSON (LIBERTARIAN)'
            4 'JILL STEIN (GREEN)' 6 'NO ONE/NONE' 8 'DO NOT KNOW'
            9 'REFUSED' /
ippsr103  0 'OTHER: SPECIFY' 1 'HILLARY CLINTON (DEMOCRAT)'
            2 'DONALD TRUMP (REPUBLICAN)' 3 'GARY JOHNSON (LIBERTARIAN)'
            4 'JILL STEIN (GREEN)' 8 'DO NOT KNOW' 9 'REFUSED' /
ippsr104  0 'OTHER: SPECIFY' 1 'HILLARY CLINTON (DEMOCRAT)'
            2 'DONALD TRUMP (REPUBLICAN)' 3 'GARY JOHNSON (LIBERTARIAN)'
            4 'JILL STEIN (GREEN)' 8 'DO NOT KNOW' 9 'REFUSED' /
ippsr105a 0 'OTHER: SPECIFY' 1 'DEMOCRATIC CANDIDATE'
            2 'REPUBLICAN CANDIDATE' 6 'NO ONE/NONE/NEITHER' 8 'DO NOT KNOW'
            9 'REFUSED' /
ippsr105b 0 'OTHER: SPECIFY' 1 'DEMOCRATIC CANDIDATE'
            2 'REPUBLICAN CANDIDATE' 6 'NO ONE/NONE/NEITHER' 8 'DO NOT KNOW'
            9 'REFUSED' /
casal01   1 'U.S. FEDERAL GOVERNMENT' 2 'STATE OF MICHIGAN'
            3 'LOCAL SCHOOL BOARD' 8 'DO NOT KNOW' 9 'REFUSED' /
casal02   8 'DO NOT KNOW' 9 'REFUSED' /
casal03   8 'DO NOT KNOW' 9 'REFUSED' /
casal04   8 'DO NOT KNOW' 9 'REFUSED' /
v5        1 'YES' 5 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
v8        1 'MORE' 3 'LESS' 5 'ABOUT THE SAME' 8 'DO NOT KNOW' 9 'REFUSED'
            /
volopp    1 'FAMILY, FRIENDS - PEOPLE INVOLVED IN ACTIVITY'
            2 'CHILDREN INVOLVED IN ACTIVITY'
            3 'CHURCH/THROUGH RELIGIOUS ORGANIZATION' 4 'SCHOOL'
            5 'PREVIOUS INVOLVEMENT/KNOWLEDGE ORGANIZATION/PROGRAM'
            6 'WORK/JOB' 7 'TV, RADIO, NEWSPAPER, PAMPHLETS, DIRECT MAILING'
            8 'INTERNET, SOCIAL NETWORKING SITES'
            9 'COMMUNITY BASED ORGANIZATION' 10 'VOLUNTEER CENTERS'
            11 'SERVICE CLUBS/ORGANIZATIONS' 12 'COMMUNITY FOUNDATIONS'
            20 'WORD OF MOUTH' 95 'MISC/OTHER'
            97 'DO NOT FIND OUT/HEAR ABOUT/VOLUNTEER' 98 'DO NOT KNOW'
            99 'REFUSED' /
av101     1 'FAMILY/FRIENDS' 2 'SCHOOL' 3 'CO-WORKERS/SUPERVISOR'
            4 'CHURCH/SYNAGOGUE/RELIGIOUS ORGANIZATION'
            7 'DO NOT VOLUNTEER (R VOLUNTEERED)' 8 'DO NOT KNOW' 9 'REFUSED'
            /
av102     1 'FAMILY/FRIENDS' 2 'SCHOOL' 3 'CO-WORKERS/SUPERVISOR'
```

```
          4 'CHURCH/SYNAGOGUE/RELIGIOUS ORGANIZATION'
          7 'DO NOT GIVE TO CHARITY (R VOLUNTEERED)' 8 'DO NOT KNOW'
          9 'REFUSED' /
ta5       1 'STRONGLY AGREE' 2 'SOMEWHAT AGREE' 3 'SOMEWHAT DISAGREE'
          4 'STRONGLY DISAGREE' 8 'DO NOT KNOW' 9 'REFUSED' /
ta6       1 'YES, CONTINUE TO BE EXEMPT' 5 'NO, SHOULD PAY TAXES' /
v1        1 'YES' 5 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
v4        1 'MORE' 3 'LESS' 5 'ABOUT THE SAME' 8 'DO NOT KNOW' 9 'REFUSED'
          /
v9        1 'YES' 5 'NO'
          7 'DO NOT GIVE TO CHARITY/VOLUNTEER (R VOLUNTEERED)'
          8 'DO NOT KNOW' 9 'REFUSED' /
volopp100 1 'FAMILY, FRIENDS - PEOPLE INVOLVED IN ACTIVITY'
          2 'CHILDREN INVOLVED IN ACTIVITY'
          3 'CHURCH/THROUGH RELIGIOUS ORGANIZATION' 4 'SCHOOL'
          5 'PREVIOUS INVOLVEMENT/KNOWLEDGE ORGANIZATION/PROGRAM'
          6 'WORK/JOB' 7 'TV, RADIO, NEWSPAPER, PAMPHLETS, DIRECT MAILING'
          8 'INTERNET, SOCIAL NETWORKING SITES'
          9 'COMMUNITY BASED ORGANIZATION' 10 'VOLUNTEER CENTERS'
          11 'SERVICE CLUBS/ORGANIZATIONS' 12 'COMMUNITY FOUNDATIONS'
          20 'WORD OF MOUTH' 95 'MISC/OTHER'
          97 'DO NOT FIND OUT/HEAR ABOUT/VOLUNTEER' 98 'DO NOT KNOW'
          99 'REFUSED' /
envi01    1 'EXCELLENT' 2 'GOOD' 3 'FAIR' 4 'POOR' 8 'DO NOT KNOW'
          9 'REFUSED' /
envi02    1 'EXCELLENT' 2 'GOOD' 3 'FAIR' 4 'POOR' 8 'DO NOT KNOW'
          9 'REFUSED' /
envi03    1 'EXCELLENT' 2 'GOOD' 3 'FAIR' 4 'POOR' 8 'DO NOT KNOW'
          9 'REFUSED' /
envi04    1 'EXCELLENT' 2 'GOOD' 3 'FAIR' 4 'POOR' 8 'DO NOT KNOW'
          9 'REFUSED' /
lawlor01  0 'SOMEWHERE ELSE' 1 'FRIEND OR FAMILY MEMBER'
          2 'TV STATION (NOT VIA INTERNET)' 3 'RADIO (NOT VIA INTERNET)'
          4 'NEWSPAPER (NOT VIA INTERNET)' 5 'ONLINE NEWS SOURCE'
          6 'PHONE LINE/2-1-1'
          7 'NONE/WOULDN''T SEEK RESOURCES/WOULD HANDLE MYSELF'
          8 'DO NOT KNOW' 9 'REFUSED' /
lawlor03  '0' 'OTHER: SPECIFY' '1' 'FRIEND OR FAMILY MEMBER'
          '2' 'HOSPITAL/DOCTOR''S OFFICE/URGENT CARE'
          '3' 'CHURCH OR RELIGIOUS INSTITUTION'
          '4' 'NON-PROFIT ORGANIZATION' '5' 'GOVERNMENT OFFICE'
          '7' 'NONE/WOULDN''T SEEK RESOURCES/WOULD HANDLE MYSELF'
          '8' 'DO NOT KNOW' '9' 'REFUSED' 'a' 'ONLINE/INTERNET' /
lawlor04  '0' 'OTHER: SPECIFY' '1' 'FRIEND OR FAMILY MEMBER'
          '2' 'HOSPITAL/DOCTOR''S OFFICE/URGENT CARE'
          '3' 'CHURCH OR RELIGIOUS INSTITUTION'
          '4' 'NON-PROFIT ORGANIZATION' '5' 'GOVERNMENT OFFICE'
          '7' 'NONE/WOULDN''T SEEK RESOURCES/WOULD HANDLE MYSELF'
          '8' 'DO NOT KNOW' '9' 'REFUSED' 'a' 'ONLINE/INTERNET' /
casal05a  8 'DO NOT KNOW' 9 'REFUSED' /
casal05b  8 'DO NOT KNOW' 9 'REFUSED' /
casal05c  8 'DO NOT KNOW' 9 'REFUSED' /
casal06a  8 'DO NOT KNOW' 9 'REFUSED' /
casal06b  8 'DO NOT KNOW' 9 'REFUSED' /
casal06c  8 'DO NOT KNOW' 9 'REFUSED' /
casal07a  8 'DO NOT KNOW' 9 'REFUSED' /
casal07b  8 'DO NOT KNOW' 9 'REFUSED' /
casal07c  8 'DO NOT KNOW' 9 'REFUSED' /
vacc00    1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
vacc01a   1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
vacc01b   1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
vacc01c   1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
vacc01d   1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
vacc01e   1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
vacc01f   1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
vacc01g   1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
vacc02a   1 'STRONGLY AGREE' 2 'MODERATELY AGREE' 3 'MODERATELY DISAGREE'
```

```
          4 'STRONGLY DISAGREE' 8 'NOT SURE/DO NOT KNOW' 9 'REFUSED' /
vacc02b   1 'STRONGLY AGREE' 2 'MODERATELY AGREE' 3 'MODERATELY DISAGREE'
          4 'STRONGLY DISAGREE' 8 'NOT SURE/DO NOT KNOW' 9 'REFUSED' /
vacc02c   1 'STRONGLY AGREE' 2 'MODERATELY AGREE' 3 'MODERATELY DISAGREE'
          4 'STRONGLY DISAGREE' 8 'NOT SURE/DO NOT KNOW' 9 'REFUSED' /
vacc02d   1 'STRONGLY AGREE' 2 'MODERATELY AGREE' 3 'MODERATELY DISAGREE'
          4 'STRONGLY DISAGREE' 8 'NOT SURE/DO NOT KNOW' 9 'REFUSED' /
vacc02e   1 'STRONGLY AGREE' 2 'MODERATELY AGREE' 3 'MODERATELY DISAGREE'
          4 'STRONGLY DISAGREE' 8 'NOT SURE/DO NOT KNOW' 9 'REFUSED' /
vacc02f   1 'STRONGLY AGREE' 2 'MODERATELY AGREE' 3 'MODERATELY DISAGREE'
          4 'STRONGLY DISAGREE' 8 'NOT SURE/DO NOT KNOW' 9 'REFUSED' /
vacc02g   1 'STRONGLY AGREE' 2 'MODERATELY AGREE' 3 'MODERATELY DISAGREE'
          4 'STRONGLY DISAGREE' 8 'NOT SURE/DO NOT KNOW' 9 'REFUSED' /
vacc02h   1 'STRONGLY AGREE' 2 'MODERATELY AGREE' 3 'MODERATELY DISAGREE'
          4 'STRONGLY DISAGREE' 8 'NOT SURE/DO NOT KNOW' 9 'REFUSED' /
vacc02i   1 'STRONGLY AGREE' 2 'MODERATELY AGREE' 3 'MODERATELY DISAGREE'
          4 'STRONGLY DISAGREE' 8 'NOT SURE/DO NOT KNOW' 9 'REFUSED' /
vacc02j   1 'STRONGLY AGREE' 2 'MODERATELY AGREE' 3 'MODERATELY DISAGREE'
          4 'STRONGLY DISAGREE' 8 'NOT SURE/DO NOT KNOW' 9 'REFUSED' /
vacc02k   1 'STRONGLY AGREE' 2 'MODERATELY AGREE' 3 'MODERATELY DISAGREE'
          4 'STRONGLY DISAGREE' 8 'NOT SURE/DO NOT KNOW' 9 'REFUSED' /
vacc02l   1 'STRONGLY AGREE' 2 'MODERATELY AGREE' 3 'MODERATELY DISAGREE'
          4 'STRONGLY DISAGREE' 8 'NOT SURE/DO NOT KNOW' 9 'REFUSED' /
vacc02m   1 'STRONGLY AGREE' 2 'MODERATELY AGREE' 3 'MODERATELY DISAGREE'
          4 'STRONGLY DISAGREE' 8 'NOT SURE/DO NOT KNOW' 9 'REFUSED' /
vacc02n   1 'STRONGLY AGREE' 2 'MODERATELY AGREE' 3 'MODERATELY DISAGREE'
          4 'STRONGLY DISAGREE' 8 'NOT SURE/DO NOT KNOW' 9 'REFUSED' /
vacc02o   1 'STRONGLY AGREE' 2 'MODERATELY AGREE' 3 'MODERATELY DISAGREE'
          4 'STRONGLY DISAGREE' 8 'NOT SURE/DO NOT KNOW' 9 'REFUSED' /
vacc02p   1 'STRONGLY AGREE' 2 'MODERATELY AGREE' 3 'MODERATELY DISAGREE'
          4 'STRONGLY DISAGREE' 8 'NOT SURE/DO NOT KNOW' 9 'REFUSED' /
vacc02q   1 'STRONGLY AGREE' 2 'MODERATELY AGREE' 3 'MODERATELY DISAGREE'
          4 'STRONGLY DISAGREE' 8 'NOT SURE/DO NOT KNOW' 9 'REFUSED' /
vacc02r   1 'STRONGLY AGREE' 2 'MODERATELY AGREE' 3 'MODERATELY DISAGREE'
          4 'STRONGLY DISAGREE' 8 'NOT SURE/DO NOT KNOW' 9 'REFUSED' /
vacc02s   1 'STRONGLY AGREE' 2 'MODERATELY AGREE' 3 'MODERATELY DISAGREE'
          4 'STRONGLY DISAGREE' 8 'NOT SURE/DO NOT KNOW' 9 'REFUSED' /
vacc02t   1 'STRONGLY AGREE' 2 'MODERATELY AGREE' 3 'MODERATELY DISAGREE'
          4 'STRONGLY DISAGREE' 8 'NOT SURE/DO NOT KNOW' 9 'REFUSED' /
vacc03a   1 'NONE AT ALL' 2 'ONLY A LITTLE' 3 'A MODERATE AMOUNT'
          4 'A GREAT DEAL' 8 'DO NOT KNOW' 9 'REFUSED' /
vacc03b   1 'NONE AT ALL' 2 'ONLY A LITTLE' 3 'A MODERATE AMOUNT'
          4 'A GREAT DEAL' 8 'DO NOT KNOW' 9 'REFUSED' /
vacc03c   1 'NONE AT ALL' 2 'ONLY A LITTLE' 3 'A MODERATE AMOUNT'
          4 'A GREAT DEAL' 8 'DO NOT KNOW' 9 'REFUSED' /
vacc03d   1 'NONE AT ALL' 2 'ONLY A LITTLE' 3 'A MODERATE AMOUNT'
          4 'A GREAT DEAL' 8 'DO NOT KNOW' 9 'REFUSED' /
vacc03e   1 'NONE AT ALL' 2 'ONLY A LITTLE' 3 'A MODERATE AMOUNT'
          4 'A GREAT DEAL' 8 'DO NOT KNOW' 9 'REFUSED' /
vacc03f   1 'NONE AT ALL' 2 'ONLY A LITTLE' 3 'A MODERATE AMOUNT'
          4 'A GREAT DEAL' 8 'DO NOT KNOW' 9 'REFUSED' /
vacc03g   1 'NONE AT ALL' 2 'ONLY A LITTLE' 3 'A MODERATE AMOUNT'
          4 'A GREAT DEAL' 8 'DO NOT KNOW' 9 'REFUSED' /
vacc03h   1 'NONE AT ALL' 2 'ONLY A LITTLE' 3 'A MODERATE AMOUNT'
          4 'A GREAT DEAL' 8 'DO NOT KNOW' 9 'REFUSED' /
vacc03i   1 'NONE AT ALL' 2 'ONLY A LITTLE' 3 'A MODERATE AMOUNT'
          4 'A GREAT DEAL' 8 'DO NOT KNOW' 9 'REFUSED' /
ippsr54   98 'DO NOT KNOW' 99 'REFUSED' /
ippsr55   98 'DO NOT KNOW' 99 'REFUSED' /
ippsr56   98 'DO NOT KNOW' 99 'REFUSED' /
ippsr57   98 'DO NOT KNOW' 99 'REFUSED' /
ippsr130  1 'MORE THAN ONCE A WEEK' 2 'ONCE A WEEK'
          3 'ONCE OR TWICE A MONTH' 4 'A FEW TIMES A YEAR' 5 'SELDOM'
          6 'NEVER' 8 'DO NOT KNOW' 9 'REFUSED' /
ippsr120  1 'INDEPENDENCE' 2 'RESPECT FOR ELDERS' 8 'DO NOT KNOW'
          9 'REFUSED' /
ippsr121  1 'OBEDIENCE' 2 'SELF-RELIANCE' 8 'DO NOT KNOW' 9 'REFUSED' /
```

```
    ippsr151  1 'STRONGLY AGREE' 2 'SOMEWHAT AGREE'
              3 'NEITHER AGREE NOR DISAGREE (R VOLUNTEERED)'
              4 'SOMEWHAT DISAGREE' 5 'STRONGLY DISAGREE' 8 'DO NOT KNOW'
              9 'REFUSED' /
    ippsr152  1 'STRONGLY AGREE' 2 'SOMEWHAT AGREE'
              3 'NEITHER AGREE NOR DISAGREE (R VOLUNTEERED)'
              4 'SOMEWHAT DISAGREE' 5 'STRONGLY DISAGREE' 8 'DO NOT KNOW'
              9 'REFUSED' /
    ippsr71   1 'STRONGLY AGREE' 2 'SOMEWHAT AGREE'
              3 'NEITHER AGREE NOR DISAGREE (R VOLUNTEERED)'
              4 'SOMEWHAT DISAGREE' 5 'STRONGLY DISAGREE' 8 'DO NOT KNOW'
              9 'REFUSED' /
    ippsr72   1 'STRONGLY AGREE' 2 'SOMEWHAT AGREE'
              3 'NEITHER AGREE NOR DISAGREE (R VOLUNTEERED)'
              4 'SOMEWHAT DISAGREE' 5 'STRONGLY DISAGREE' 8 'DO NOT KNOW'
              9 'REFUSED' /
    ippsr122  1 'STRONGLY AGREE' 2 'SOMEWHAT AGREE'
              3 'NEITHER AGREE NOR DISAGREE (R VOLUNTEERED)'
              4 'SOMEWHAT DISAGREE' 5 'STRONGLY DISAGREE' 8 'DO NOT KNOW'
              9 'REFUSED' /
    ippsr123  1 'STRONGLY AGREE' 2 'SOMEWHAT AGREE'
              3 'NEITHER AGREE NOR DISAGREE (R VOLUNTEERED)'
              4 'SOMEWHAT DISAGREE' 5 'STRONGLY DISAGREE' 8 'DO NOT KNOW'
              9 'REFUSED' /
    RI        1 'YES' 5 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
    RIa       1 'YES' 3 'NO, DO NOT WANT TO GIVE EMAIL ADDRESS OUT'
              5 'NO, HAVE NO EMAIL' 8 'DO NOT KNOW' 9 'REFUSED' /
    raceperc  1 'WHITE OR CAUCASIAN' 2 'AFRICAN AMERICAN OR BLACK'
              3 'HAWAIIAN OR OTHER PACIFIC ISLANDER'
              4 'ASIAN OR ASIAN AMERICAN' 5 'AMERICAN INDIAN OR ALASKA NATIVE'
              6 'HISPANIC/LATINO/LATINA/SPANISH ORIGIN' 7 'MULTI-RACIAL'
              8 'DO NOT KNOW' 9 'REFUSED' /
    ippsr102e 0 'OTHER: SPECIFY' 1 'HILLARY CLINTON (DEMOCRAT)'
              2 'DONALD TRUMP (REPUBLICAN)' 3 'GARY JOHNSON (LIBERTARIAN)'
              4 'JILL STEIN (GREEN)' 6 'DID NOT VOTE/NO ONE/NONE'
              8 'DO NOT KNOW' 9 'REFUSED' /
    FNL       1 'COMPLETED INTERVIEW' 2 'PARTIAL INTERVIEW' /
    .

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  PO1 (9,8).
MISSING VALUES  PO2 (9,8).
MISSING VALUES  CD2 (9,8).
MISSING VALUES  CD3 (99,98).
MISSING VALUES  CD5a (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 (9,8).
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  CD10 (99,98).
MISSING VALUES  CD11 (99,98).
```

```
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   CD26 (99,98).
MISSING VALUES   X1 (9,8).
MISSING VALUES   zipcode (9,8).
MISSING VALUES   demo_county (999).
MISSING VALUES   demo_Detroit (9,8).
MISSING VALUES   cellular2 (99,98).
MISSING VALUES   demo_cell1 (9,8).
MISSING VALUES   demo_cell4 (999,888).
MISSING VALUES   ippsr111 (9,8).
MISSING VALUES   ippsr112 (9,8).
MISSING VALUES   grossmann4a (9,8).
MISSING VALUES   grossmann4b (9,8).
MISSING VALUES   ippsr141 (9,8).
MISSING VALUES   ippsr142a (99,98).
MISSING VALUES   ippsr142b (99,98).
MISSING VALUES   ippsr10 (99,98).
MISSING VALUES   ippsr12p1a (9,8).
MISSING VALUES   ippsr12p1b (9,8).
MISSING VALUES   ippsr12p2a (9,8).
MISSING VALUES   ippsr12p2b (9,8).
MISSING VALUES   ippsr12pa (9,8).
MISSING VALUES   ippsr12pb (9,8).
MISSING VALUES   ippsr101c (9,8).
MISSING VALUES   ippsr101t (9,8).
MISSING VALUES   ippsr102 (9,8).
MISSING VALUES   ippsr103 (9,8).
MISSING VALUES   ippsr104 (9,8).
MISSING VALUES   ippsr105a (9,8).
MISSING VALUES   ippsr105b (9,8).
MISSING VALUES   casal01 (9,8).
MISSING VALUES   casal02 (9,8).
MISSING VALUES   casal03 (9,8).
MISSING VALUES   casal04 (9,8).
MISSING VALUES   v5 (9,8).
MISSING VALUES   v8 (9,8).
MISSING VALUES   volopp (99,98).
MISSING VALUES   av101 (9,8).
MISSING VALUES   av102 (9,8).
MISSING VALUES   ta5 (9,8).
MISSING VALUES   ta6 (9,8).
MISSING VALUES   v1 (9,8).
MISSING VALUES   v4 (9,8).
MISSING VALUES   v9 (9,8).
MISSING VALUES   volopp100 (99,98).
MISSING VALUES   envi01 (9,8).
MISSING VALUES   envi02 (9,8).
MISSING VALUES   envi03 (9,8).
MISSING VALUES   envi04 (9,8).
MISSING VALUES   lawlor01 (9,8).
MISSING VALUES   casal05a (9,8).
MISSING VALUES   casal05b (9,8).
MISSING VALUES   casal05c (9,8).
MISSING VALUES   casal06a (9,8).
```

```
MISSING VALUES    casal06b (9,8).
MISSING VALUES    casal06c (9,8).
MISSING VALUES    casal07a (9,8).
MISSING VALUES    casal07b (9,8).
MISSING VALUES    casal07c (9,8).
MISSING VALUES    vacc00 (9,8).
MISSING VALUES    vacc01a (9,8).
MISSING VALUES    vacc01b (9,8).
MISSING VALUES    vacc01c (9,8).
MISSING VALUES    vacc01d (9,8).
MISSING VALUES    vacc01e (9,8).
MISSING VALUES    vacc01f (9,8).
MISSING VALUES    vacc01g (9,8).
MISSING VALUES    vacc02a (9,8).
MISSING VALUES    vacc02b (9,8).
MISSING VALUES    vacc02c (9,8).
MISSING VALUES    vacc02d (9,8).
MISSING VALUES    vacc02e (9,8).
MISSING VALUES    vacc02f (9,8).
MISSING VALUES    vacc02g (9,8).
MISSING VALUES    vacc02h (9,8).
MISSING VALUES    vacc02i (9,8).
MISSING VALUES    vacc02j (9,8).
MISSING VALUES    vacc02k (9,8).
MISSING VALUES    vacc02l (9,8).
MISSING VALUES    vacc02m (9,8).
MISSING VALUES    vacc02n (9,8).
MISSING VALUES    vacc02o (9,8).
MISSING VALUES    vacc02p (9,8).
MISSING VALUES    vacc02q (9,8).
MISSING VALUES    vacc02r (9,8).
MISSING VALUES    vacc02s (9,8).
MISSING VALUES    vacc02t (9,8).
MISSING VALUES    vacc03a (9,8).
MISSING VALUES    vacc03b (9,8).
MISSING VALUES    vacc03c (9,8).
MISSING VALUES    vacc03d (9,8).
MISSING VALUES    vacc03e (9,8).
MISSING VALUES    vacc03f (9,8).
MISSING VALUES    vacc03g (9,8).
MISSING VALUES    vacc03h (9,8).
MISSING VALUES    vacc03i (9,8).
MISSING VALUES    ippsr54 (99,98).
MISSING VALUES    ippsr55 (99,98).
MISSING VALUES    ippsr56 (99,98).
MISSING VALUES    ippsr57 (99,98).
MISSING VALUES    ippsr130 (9,8).
MISSING VALUES    ippsr120 (9,8).
MISSING VALUES    ippsr121 (9,8).
MISSING VALUES    ippsr151 (9,8).
MISSING VALUES    ippsr152 (9,8).
MISSING VALUES    ippsr71 (9,8).
MISSING VALUES    ippsr72 (9,8).
MISSING VALUES    ippsr122 (9,8).
MISSING VALUES    ippsr123 (9,8).
MISSING VALUES    RI (9,8).
MISSING VALUES    RIa (9,8).
MISSING VALUES    raceperc (9,8).
MISSING VALUES    ippsr102e (9,8).

SAVE OUTFILE=""  /* Replace 'y' with name to give your system file
   /MAP
   /COMPRESSED  /* Delete this line if you want an uncompressed file
   .
```

13. SPSS Weighting Syntax

```
* INSTRUCTIONS:.
* Follow all ACTION comments and run all commands in order unless ACTION says otherwise.
* When ACTION says to Enter into Excel, put values into yellow cells.
* When ACTION says to copy weights, copy the pale green cells and overwrite only the lines below
that match them.
* Always run all syntax between ACTION steps as a block (highlight lines and Run).
* Ignore all other comments (they're mostly just informative).


*       ACTION:  Open Recall dataset.

DELETE VARIABLES CD5a, CD4@a CD4@b CD4@c CD4@d CD4@e CD4@f CD4@g, CD6, CD7@a CD7@b CD7@c CD7@d.
DELETE VARIABLES partyid, P17@a P17@b P17@c P17@d, ideology, income, males, females, listed.
DELETE VARIABLES LANDLINE CELLUSE.
freq var=cnty regn.

*       ACTION:  If cnty and regn are broken, run following line. Otherwise skip.
DELETE VARIABLES cnty, regn.

*       ACTION:  Run soss##_types.sps.
SORT CASES by CASEID (A).

* ACTION: Save as soss##recall###a-sorted.sav
*       ACTION:  Open unweighted original RDD dataset from SOSS n-2 (source of Recall; e.g. soss[##-
2]rdd###a.sav).
*       ACTION:  Close Recall dataset.
SORT CASES by CASEID (A).
* ACTION: Save as soss[##-2]rddrecallsource-sorted.sav in current FinalData directory.

*       ACTION:  Open unweighted original Cell dataset from SOSS n-2 (source of Recall; e.g. soss[##-
2]cell###a.sav).
*       ACTION:  Close RDD Recall source dataset.
SORT CASES by CASEID (A).
* ACTION: Save as soss[##-2]cellrecallsource-sorted.sav in current FinalData directory.

*       ACTION:  Merge rddrecallsource into cellrecallsource (Data>Merge>Add cases), use all
variables.
SORT CASES by CASEID (A).
*       ACTION:  Run soss##_types.sps.
*       ACTION:  Save as soss[##-2]recallsource-sorted.sav.
*Note that the next step won't do anything unless it was a Winter round.
RENAME VARIABLES D10=xD10 D11=xD11 D12=xD12.
*       ACTION:  Save as soss##recallsource-ready.

*       ACTION:  Open soss##recall###a-sorted.sav
*       ACTION:  Close recallsource dataset.
*       ACTION:  Data > Merge Files > Add Variables
* ACTION:  Use soss##recallsource-ready, Non-active is Keyed on CASEID, include all vars in active
(*), inlcude only the following variables from other (+):
*           listed.
*           CD5a, CD4@a-@x, CD6, CD7@a-@d, partyid, P17@a-@d, ideology, income (where CD4@x is the
last CD4@ listed, typically @g).
*  males, females.
*  LANDLINE, CELLUSE..
*           (cnty, regn if broken in Recall).

FREQUENCIES VARIABLES=CASEID
  /ORDER=ANALYSIS.


*       ACTION:  Confirm total number of cases matches filename.
*       ACTION:  Save as soss##recall###a-merged (## = current SOSS).


*       ACTION:  Change character at end of COMPUTE line to first char in RDD Recall CaseIDs (should
be next letter in alphabet).

USE ALL.
COMPUTE filter_$=(CHAR.SUBSTR(CASEID,1,1)='n').
VARIABLE LABELS filter_$ "CHAR.SUBSTR(CASEID,1,1)='a' (FILTER)".
```

```
VALUE LABELS filter_$ 0 'Not Selected' 1 'Selected'.
FORMATS filter_$ (f1.0).
FILTER BY filter_$.
EXECUTE.
USE ALL.
if(filter_$=1)source=2.

*       ACTION:  Change character in at end of COMPUTE line to first char in Cell Recall CaseIDs
(should be next letter in alphabet).

USE ALL.
COMPUTE filter_$=(CHAR.SUBSTR(CASEID,1,1)='a').
VARIABLE LABELS filter_$ "CHAR.SUBSTR(CASEID,1,1)='a' (FILTER)".
VALUE LABELS filter_$ 0 'Not Selected' 1 'Selected'.
FORMATS filter_$ (f1.0).
FILTER BY filter_$.
EXECUTE.
USE ALL.
if(filter_$=1)source=4.

value labels source 1 'Fresh Landline'  2 'Recall Landline' 3 'Fresh Cell' 4 'Recall Cell'.
freq var=source.

DATASET COPY  rdd.
DATASET ACTIVATE  rdd.
FILTER OFF.
USE ALL.
SELECT IF (source=2).
EXECUTE.

FREQUENCIES VARIABLES=CASEID
  /ORDER=ANALYSIS.

* ACTION: Save new dataset as soss##recallrdd###a.sav (### = # cases).
* ACTION: Close RDD Recall dataset.

USE ALL.
DATASET COPY  cell.
DATASET ACTIVATE  cell.
FILTER OFF.
USE ALL.
SELECT IF (source=4).
EXECUTE.

FREQUENCIES VARIABLES=CASEID
  /ORDER=ANALYSIS.

* ACTION: Save new dataset as soss##recallcell###a.sav
* ACTION: Close Cell Recall dataset.

*       ACTION: Open Fresh RDD data (soss##rdd###a.sav).
* ACTION: Close Merged Recall dataset (don't save).
*       ACTION: Run soss##_types.sps.

SORT CASES by CASEID (A).
compute source=1.
value labels source 1 'Fresh Landline'  2 'Recall Landline' 3 'Fresh Cell' 4 'Recall Cell'.
freq var=source.

*       ACTION:  Merge (Add Cases) RDD Recall data (soss##recallrdd###a.sav) with current dataset,
keep all variables from active dataset.

SORT CASES by CASEID (A).
freq var=source.

*       ACTION:  Confirm Frequencies.
* ACTION:  Save Combined data as soss##fullrdd###a.sav.
```

```
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.

*      ACTION:  Confirm that regions don't overlap in data.
*      ACTION:  Confirm total sample size.

recode regn (sysmis=9).
if (regn ne newregn2)regn=newregn2.
freq var=regn listed.
recode listed (0=2).
weight off.
frequencies variables=listed.

*      ACTION: Open SOSSwt## 01a.xlsx and go to first tab ("1st Iter").
*      ACTION: Enter freq into Excel.
*      ACTION: Copy weights (Syntax column) into section below.
compute listwt=1.

if (listed=1 or listed=3)listwt=0.80455.
if (listed=2)listwt=1.82206.

weight by listwt.
freq var=listed regn.

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

frequencies variables=cd26.
recode cd26 (0,sysmis=99).
frequencies variables=cd26.

* ACTION: Confirm recoding of incorrect 0s and blanks as 99 (REFUSED/Missing) - Artifact of
allowing 0 response in Recall Cell.

frequencies variables=demo_cell1.
```

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```
missing values demo_cell1 ().
recode demo_cell1 (sysmis=99).
if (demo_cell1=2 and cd26 lt 98)numphone=cd26.
if (demo_cell1=1 and cd26 lt 98)numphone=cd26+1.
if (demo_cell1 ge 98)numphone=cd26+1.
if (cd26=99 and demo_cell1=2)numphone=1.
if (cd26=99 and demo_cell1=1)numphone=2.
if (cd26=99 and demo_cell1 gt 2)numphone=2.
*if (demo_cell1 ge 7)numphone=cd26.
recode numphone (sysmis=1).

frequencies variables=numphone.

*      ACTION: Enter freq into Excel (be mindful of skipped cells).
*      ACTION: Copy weights into section below.
*    This weights households by number of phone lines.
compute phwt=listwt.

if (numphone eq 1 or numphone ge 98)phwt=1.76065*listwt.
if (numphone eq 2)phwt=0.88032*listwt.
if (numphone eq 3)phwt=0.58688*listwt.
if (numphone eq 4)phwt=0.44016*listwt.
if (numphone eq 5)phwt=0.35213*listwt.
if (numphone eq 6)phwt=1*listwt.
if (numphone eq 7)phwt=1*listwt.
if (numphone eq 8)phwt=1*listwt.
if (numphone eq 9)phwt=1*listwt.
if (numphone eq 10)phwt=1*listwt.

weight by phwt.
FREQUENCIES
  VARIABLES= cd10  cd26 numphone.

*      ACTION:  Confirm total against Excel.

compute roundwt=10*phwt.
weight by roundwt.
freq var=cd10.
missing values cd10 ().
recode cd10 (sysmis,98=1).
recode cd10 (sysmis,99=1).

*missing recoded as 1 due to assumption that those living alone are less likely to want it known.
compute adults=cd10.
freq var=adults cd10.

*      ACTION: Enter freq into Excel (be mindful of skipped cells).
*      ACTION: Copy weights into section below.
*    This adjusts weight by number of adults in the household.
compute adltwt=phwt.

if (cd10=1 or cd10=99)adltwt=phwt*0.56725.
if (cd10=2)adltwt=phwt*1.13449.
if (cd10=3)adltwt=phwt*1.70174.
if (cd10=4)adltwt=phwt*2.26899.
if (cd10=5)adltwt=phwt*2.83624.
if (cd10=6)adltwt=phwt*3.40348.
if (cd10=7)adltwt=phwt*1.
if (cd10=8)adltwt=phwt*1.
if (cd10=9)adltwt=phwt*1.
if (cd10=10)adltwt=phwt*1.
if (cd10=11)adltwt=phwt*1.
if (cd10=12)adltwt=phwt*1.
if (cd10=13)adltwt=phwt*1.

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

```
*       ACTION:  Confirm total against Excel (if no match, re-check for skipped cells in freqs).
*compute phstatus=9.
*if (demo_cell1=9)phstatus=2.
* The statement above should be unnecessary if demo_cell1 was NOT skipped incorrectly in the q
instrument.

if (demo_cell1=2)phstatus=1.
if (demo_cell1 =1)phstatus=2.
if (demo_cell1=9)phstatus=2.
missing values phstatus (9).
value labels phstatus  1 'Landline only'  2 'Both Land and Cell'  3 'Cell only'.
frequencies variables=phstatus.

*       ACTION:  Confirm total number of cases.
*       ACTION:  Save RDD data (e.g., ...b.sav).

*       ACTION:  Open Fresh Cell data (e.g., soss##cell###a.sav.
*       ACTION:  Close RDD data.
* ACTION:  Run soss##_types.sps on Cell.

SORT CASES by CASEID (A).
compute source=3.
value labels source 1 'Fresh Landline'  2 'Recall Landline' 3 'Fresh Cell' 4 'Recall Cell'.
freq var=source.

*       ACTION:  Merge (Add Cases) Cell Recall data (soss##recallcell###a.sav) with current dataset,
keep all variabless from active dataset.

SORT CASES by CASEID (A).
freq var=source.

*       ACTION:  Confirm Frequencies.
* ACTION:  Save Combined Cell data as soss##fullcell###a.sav.

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.

*       ACTION:  Confirm that regions don't overlap.
```

```
if (regn ne newregn2)regn=newregn2.
freq var=regn listed.
*compute listed=listed59.
frequencies variables=listed.

*      ACTION:  Confirm total sample size.

weight off.
compute listwt=1.
recode listed (1=3).
value labels listed  1 'listed Landlline'  2 'not listed Landline'  3 'cell phone'.
weight by listwt.
freq var=listed regn.
compute tempwt=listwt*10.
weight by tempwt.
*weight off.
missing values cd26 ().
frequencies variables=landline cd26.
if (landline=2)numphone=1.
if (landline=1 and cd26 lt 98)numphone=cd26+1.
*Assigns value of 2 for anyone who has landline but refused to say how many (one home phone, one
cell phone).
if (landline=1 and cd26=99)numphone=2.
*SOSS64 didn't ask recall cell about landlines. Next two lines should be removed once fixed+2
(SOSS67).
if (cd26 lt 98 and sysmis(landline))numphone=cd26+1.
if (cd26=99 and sysmis(landline))numphone=2.
frequencies variables=numphone.

*      ACTION: Enter freq into Excel (be mindful of skipped cells).
*      ACTION: Copy weights into section below.
*    This weights households by number of phone lines.
compute phwt=listwt.

if (numphone eq 1 or numphone ge 98)phwt=1.24066*listwt.
if (numphone eq 2)phwt=0.62033*listwt.
if (numphone eq 3)phwt=0.41355*listwt.
if (numphone eq 4)phwt=0.31017*listwt.
if (numphone eq 5)phwt=1*listwt.
if (numphone eq 6)phwt=1*listwt.
if (numphone eq 7)phwt=1*listwt.
if (numphone eq 8)phwt=1*listwt.

weight by phwt.
FREQUENCIES
  VARIABLES= CD10 numphone .
compute roundwt=10*phwt.
weight by roundwt.
freq var=cd10.

*      ACTION: Confirm sample size.

missing values cd10 ().
recode cd10 (sysmis,99=1).
compute adults=cd10.
freq var=adults cd10.
*    This adjusts weight by number of adults in the household.
compute adltwt=phwt.
weight by adltwt.
freq var=cd10.
compute phstatus=9.
if (numphone=1)phstatus=3.
if (numphone gt 1)phstatus=2.
missing values phstatus (9).
frequencies variables=phstatus.
missing values phstatus ().
```

```
*       ACTION:  Confirm sample size.

*       ACTION:  Save Cell data (e.g., ...b.sav).
*       ACTION:  Merge (Add Cases) Landline data (soss##fullrdd###b.sav) with Cell data, keep all
variables.

SORT CASES by CASEID (A).
freq var=source.
missing values CD1 (-9,9).

* ACTION:  Confirm source breakdown.
* ACTION:  Save merged file as soss##all###a.sav.
* ACTION:  Save syntax (this file) as new version (e.g., ...b.sps)
* ACTION:  Save Excel as new version (e.g., ...b.xlsx

compute tempwt=adltwt*10.
weight by tempwt.

frequencies variables = phstatus.

*       ACTION: Enter freq into Excel.
*       ACTION: Copy weights into section below.
missing values phstatus ().
compute landcellwt=1.

if (phstatus eq 1 or phstatus=9)landcellwt=0.52597*adltwt.
if (phstatus eq 2)landcellwt=0.79789*adltwt.
if (phstatus eq 3)landcellwt=1.44226*adltwt.

weight by landcellwt.
frequencies variables= phstatus.

*       ACTION: Confirm total against Excel.
*       ACTION: Enter total into Excel as Wted N.

weight off.
frequencies variables=phstatus.

*       ACTION: Enter total into Excel as Actual N.
*       ACTION: Copy weight into section below.

compute totalwt=1*landcellwt.

weight by totalwt.
frequencies variables=phstatus source.
*compute roundwt=adltwt*.5341.
compute tempwt=totalwt*10.
weight by tempwt.
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 93)age=111-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.
```

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```
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'.
recode age (18 thru 29=1)(30 thru 39=2)(40 thru 49=3)(50 thru 59=4)(60 thru 69=5)(70 thru 79=6)(80
thru 99=7) into agecat7.
value labels agecat7 1 '18-29'  2 '30-39'  3 '40-49'  4 '50-59'  5 '60-69'  6 '70-79'  7 '80+'.
frequencies variables= agecat7.
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 adj1=totalwt.
compute ovrsamwt=adj1.
compute roundwt=ovrsamwt*10.
weight by tempwt.
 frequencies variables=cd1.
*recode cd1 (1=1)(2=5).
frequencies variables=cd1.
CROSSTABS
  /TABLES= regn BY  imprace
  /FORMAT= AVALUE NOINDEX BOX LABELS TABLES
  /CELLS= COUNT.
compute REGNRACEwt=ovrsamwt.

*      ACTION: Enter Total freqs (last row) into Excel.
*      ACTION: Copy weights into section below.

if (imprace eq 1)REGNRACEwt=ovrsamwt*0.884.
if (imprace eq 2)REGNRACEwt=ovrsamwt*1.59629.
if (imprace eq 3)REGNRACEwt=ovrsamwt*4.08653.


weight by REGNRACEwt.
CROSSTABS
  /TABLES=imprace BY regn
  /FORMAT= AVALUE NOINDEX BOX LABELS TABLES
```

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```
  /CELLS= COUNT tot.
*    This weights cases by gender, imprace and region.
 compute roundwt=REGNRACEwt*10.
weight by roundwt.
crosstabs tables=agecat7 by cd1/cells count.

*      ACTION: Copy table into first worksheet of Converter.xslx (age_gender), copy highlighed
content to weighting spreadsheet (Paste Special > Values).
*      ACTION: Copy weights into section below.
recode cd1 (5=2).
compute sexagewt=REGNRACEwt.

if (cd1=1 and agecat7 eq 1)sexagewt=REGNRACEwt*0.98578.
if (cd1=1 and agecat7 eq 2)sexagewt=REGNRACEwt*1.72015.
if (cd1=1 and agecat7 eq 3)sexagewt=REGNRACEwt*0.96191.
if (cd1=1 and agecat7 eq 4)sexagewt=REGNRACEwt*1.02958.
if (cd1=1 and agecat7 eq 5)sexagewt=REGNRACEwt*0.60949.
if (cd1=1 and agecat7 eq 6)sexagewt=REGNRACEwt*0.76577.
if (cd1=1 and agecat7 eq 7)sexagewt=REGNRACEwt*1.97402.

if (cd1=2 and agecat7 eq 1)sexagewt=REGNRACEwt*1.48079.
if (cd1=2 and agecat7 eq 2)sexagewt=REGNRACEwt*1.09797.
if (cd1=2 and agecat7 eq 3)sexagewt=REGNRACEwt*1.33209.
if (cd1=2 and agecat7 eq 4)sexagewt=REGNRACEwt*0.7602.
if (cd1=2 and agecat7 eq 5)sexagewt=REGNRACEwt*0.78819.
if (cd1=2 and agecat7 eq 6)sexagewt=REGNRACEwt*0.86855.
if (cd1=2 and agecat7 eq 7)sexagewt=REGNRACEwt*1.40915.

weight by sexagewt.
compute roundwt=sexagewt*10.
weight by roundwt.
freq var=regn

*      ACTION: Enter freq into Excel as Wtd (left column).

weight off.
freq var=regn.

*      ACTION: Enter freq into Excel as Actual N (right column).
*      ACTION: Copy weights into section below.
*The following command adjusts the number of cases in each region back to the actual number
interviewed.
compute adjwt=sexagewt.

if (regn=1)adjwt=sexagewt*1.29032.
if (regn=2)adjwt=sexagewt*1.1791.
if (regn=3)adjwt=sexagewt*1.07595.
if (regn=4)adjwt=sexagewt*1.09137.
if (regn=5)adjwt=sexagewt*0.95238.
if (regn=6)adjwt=sexagewt*1.03969.
if (regn=7)adjwt=sexagewt*0.54081.

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.

*      ACTION: Copy weights into section below (Excel calculates based on prior input).
compute msuewt=adjwt.

if (regn=7)msuewt=adjwt*1.11353.
```

```
if (regn=6)msuewt=adjwt*0.98538.

weight by msuewt.
freq var=msueregn regn cd1.
compute roundwt=msuewt*10.
weight by roundwt.
freq var=msueregn.

*       ACTION: Enter freq into Excel.
*       ACTION: Copy weights into section below.
compute statewt=msuewt.

if (msueregn eq 1)statewt=msuewt*0.83286.
if (msueregn eq 2)statewt=msuewt*0.64685.
if (msueregn eq 3)statewt=msuewt*1.01887.
if (msueregn eq 4)statewt=msuewt*1.02361.
if (msueregn eq 5)statewt=msuewt*0.83126.
if (msueregn eq 6)statewt=msuewt*1.12099.

req 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.

value labels cd1 1 'Male'  2 'Female'.
compute roundwt=statewt*10.
weight by roundwt.
freq var=cd1.

var labels
     newregn2 'Alternate coding into regions based on FIPS'/
     listwt 'Weight: Adj for listed vs nonlisted numbers'/
     phwt 'Weight: Adj for number of phone lines to HHLD'/
     adltwt 'Weight: Adj for number adults in HHLD'/
     age 'Demographic: Age'/
     agecat  'Demographic: Age in categories'/
     rac3   'Race: 3 categories and missing'/
     mult2  'Demographic: Number racial groups R claims'/
     races  'Race: 6 categories'/
     imprace 'Race: 3 categories with imputation if missing'/
     adj1 'Weight Adjustment: Interim'/
     ovrsamwt 'Weight Adjustment: Interim'/
     REGNRACEwt 'Weight Adjustment: Sex x Race x Region'/
     sexagewt  'Weight Adjustment: Age x Region'/
     adjwt 'Weight Adjustment: Phones, adults, race, gender, age, region'/
     msueregn 'MSU Extension Regions'/
     msuewt 'Weight: MSU Regions'/
     statewt 'Final Weight for Statewide Analysis'/
     newinc 'Income: Household Income in 11 Categories (new version)'
     source 'Sample Source'/
     agecat7 'Demographic: Age in 7 Census Categories'/
     educat4 'Demographic: Education in 4 categories'/.

weight by statewt.
frequencies variables = cd1 imprace agecat7 msueregn.

*      ACTION: Enter Valid Percents into Excel.
*      ACTION: Save sav, xlsx, and sps as new versions.
* ACTION: If Demographics don't match Actual within ~1%, do 2nd Iteration.
* ACTION: If Demographics are close enough, jump to Resume below (search for "ACTION: Resume").
```

```
******** 2nd Iteration.

weight by roundwt.
frequencies variables = phstatus.

*       ACTION: Switch to "2nd Iter" worksheet in Excel.
*       ACTION: Enter freq into Excel.
*       ACTION: Copy weights into section below.
missing values phstatus ().
compute landcellwt2=1.

if (phstatus eq 1 or phstatus=9)landcellwt2=0.9456*statewt.
if (phstatus eq 2)landcellwt2=1.11048*statewt.
if (phstatus eq 3)landcellwt2=0.93414*statewt.

weight by landcellwt2.
frequencies variables= phstatus.

*       ACTION: Enter total into Excel (Wtd N).

frequencies variables= phstatus source.
weight off.
frequencies variables=phstatus.

*       ACTION: Enter total into Excel (Actual N).
*       ACTION: Copy weight into section below.
compute tempwt=landcellwt2*10.
weight by tempwt.
frequencies variables=source.

compute totalwt2=1*landcellwt2.

weight by totalwt2.
frequencies variables=phstatus source.
compute tempwt=totalwt2*10.
weight by tempwt.
frequencies variables=source.
compute adj2=totalwt2.
compute ovrsamwt2=adj2.
compute roundwt=ovrsamwt2*10.
weight by roundwt.
frequencies variables=cd1.
CROSSTABS
  /TABLES= regn BY  imprace
  /FORMAT= AVALUE NOINDEX BOX LABELS TABLES
  /CELLS= COUNT.

*       ACTION: Enter freq into Excel.
*       ACTION: Copy weights into section below.
*    This weights cases by gender, imprace and region.
compute REGNRACEwt2=ovrsamwt2.

if (imprace eq 1)REGNRACEwt2=ovrsamwt2*0.96892.
if (imprace eq 2)REGNRACEwt2=ovrsamwt2*1.14494.
if (imprace eq 3)REGNRACEwt2=ovrsamwt2*1.12674.

weight by REGNRACEwt2.
CROSSTABS
  /TABLES=imprace BY regn
  /FORMAT= AVALUE NOINDEX BOX LABELS TABLES
  /CELLS= COUNT tot.
compute roundwt=REGNRACEwt2*10.
weight by roundwt.
crosstabs tables=agecat7 by cd1 by regn/cells count.
crosstabs tables=agecat7 by cd1/cells count.

*       ACTION: Enter freq into second tab of Converter.xlsx (2nd Pass).
```

```
*       ACTION: Copy weights into section below.
compute sexagewt2=regnracewt2.

if (cd1=1 and agecat7 eq 1)sexagewt2=REGNRACEwt2*1.05072.
if (cd1=1 and agecat7 eq 2)sexagewt2=REGNRACEwt2*0.99526.
if (cd1=1 and agecat7 eq 3)sexagewt2=REGNRACEwt2*1.00339.
if (cd1=1 and agecat7 eq 4)sexagewt2=REGNRACEwt2*0.98844.
if (cd1=1 and agecat7 eq 5)sexagewt2=REGNRACEwt2*0.95134.
if (cd1=1 and agecat7 eq 6)sexagewt2=REGNRACEwt2*0.99314.
if (cd1=1 and agecat7 eq 7)sexagewt2=REGNRACEwt2*0.97028.


if (cd1=2 and agecat7 eq 1)sexagewt2=REGNRACEwt2*1.08322.
if (cd1=2 and agecat7 eq 2)sexagewt2=REGNRACEwt2*0.99713.
if (cd1=2 and agecat7 eq 3)sexagewt2=REGNRACEwt2*0.98931.
if (cd1=2 and agecat7 eq 4)sexagewt2=REGNRACEwt2*1.00513.
if (cd1=2 and agecat7 eq 5)sexagewt2=REGNRACEwt2*0.92116.
if (cd1=2 and agecat7 eq 6)sexagewt2=REGNRACEwt2*0.96788.
if (cd1=2 and agecat7 eq 7)sexagewt2=REGNRACEwt2*1.02365.


weight by sexagewt2.
compute roundwt=sexagewt2*10.
weight by roundwt.
freq var=regn

*       ACTION: Enter totals into Excel as Wted N (Left).

weight off.
freq var=regn.

*       ACTION: Confirm total against Excel.
*       ACTION: Confirm Actual Ns (Right).
*       ACTION: Copy weights into section below.
*The following command adjusts the number of cases in each region back to the actual number
interviewed.
compute adjwt2=sexagewt2.

if (regn=1)adjwt2=sexagewt2*1.22699.
if (regn=2)adjwt2=sexagewt2*1.60569.
if (regn=3)adjwt2=sexagewt2*0.98456.
if (regn=4)adjwt2=sexagewt2*1.00233.
if (regn=5)adjwt2=sexagewt2*1.19298.
if (regn=6)adjwt2=sexagewt2*0.90812.
if (regn=7)adjwt2=sexagewt2*0.74024.

weight by adjwt2.
freq var=regn.

*       ACTION: Copy weights into section below (Excel already calculated it out based on prior
data).
weight off.
freq var=regn.
compute tempwt=10*adjwt2.
weight by tempwt.
freq var=msueregn newregn2.
compute msuewt2=adjwt2.

if (regn=7)msuewt2=adjwt2*1.11353.
if (regn=6)msuewt2=adjwt2*0.98538.

weight by msuewt2.
freq var=msueregn regn cd1.
compute roundwt=msuewt2*10.
weight by roundwt.
freq var=msueregn.

*       ACTION: Enter freqs into Excel.
*       ACTION: Copy weights into section below.
```

```
compute statewt2=msuewt2.

if (msueregn eq 1)statewt2=msuewt2*0.83302.
if (msueregn eq 2)statewt2=msuewt2*0.64534.
if (msueregn eq 3)statewt2=msuewt2*1.01908.
if (msueregn eq 4)statewt2=msuewt2*1.02382.
if (msueregn eq 5)statewt2=msuewt2*0.83142.
if (msueregn eq 6)statewt2=msuewt2*1.12121.

weight by statewt2.
freq var=regn msueregn.
frequencies variables=cd1 cd3 cd5a  rac3 cd8 cd10 cd15 agecat imprace .
recode cd6 (7=6).
freq var=imprace.
compute adjwt210=adjwt2*10000.
compute msuewt210=msuewt2*10000.
compute statewt210=statewt2*10000.
*compute racewt=racewt*10000.
execute.
weight by statewt2.
frequencies variables = cd1 imprace agecat7 msueregn.

*      ACTION: Enter Valid Percents into Excel.
*      ACTION: Save sav, xlsx, and sps as new versions.
* ACTION: If Demographics don't match Actual within ~1%, do 3rd Iteration (good luck with that!).

weight by statewt2.
SORT CASES  BY regn.
SPLIT FILE LAYERED BY regn.
DESCRIPTIVES VARIABLES=statewt2
  /STATISTICS=MEAN.

SPLIT FILE OFF.

weight by statewt2.
DESCRIPTIVES VARIABLES=statewt2
  /STATISTICS=MEAN.

* ACTION: Copy means to Excel to calculate Margin of Error with Design Effects

compute adjwt210=adjwt2*10000.
compute msuewt210=msuewt2*10000.
compute statewt210=statewt2*10000.
*compute racewt=racewt*10000.
execute.
weight by statewt2.

var labels
     adj1 'Initial Weight Adjustment: Interim'/
     ovrsamwt 'Initial Weight Adjustment: Interim'/
     REGNRACEwt 'Initial Weight Adjustment: Sex x Race x Region'/
     sexagewt  'Initial Weight Adjustment: Age x Region'/
     adjwt 'Initial Weight Adjustment: Phones, adults, race, gender, age, region'/
     msuewt 'Initial Weight: MSU Regions'/
     statewt 'Initial Weight for Statewide Analysis'/
     ovrsamwt2 'Weight Adjustment: Interim'/
     REGNRACEwt2 'Weight Adjustment: Sex x Race x Region'/
     sexagewt2  'Weight Adjustment: Age x Region'/
     adjwt2 'Weight Adjustment: Phones, adults, race, gender, age, region'/
     msuewt2 'Weight: MSU Regions'/
     statewt2 'Final Weight for Statewide Analysis'/.

* ACTION: Jump to Resume2 below.

* ACTION: Resume (for 1 round of Weighting).
* ACTION: Skip if 2nd round of Weighting (must use statewt2; jump to "Resume2").
```

```
weight by statewt.
SORT CASES  BY regn.
SPLIT FILE LAYERED BY regn.
DESCRIPTIVES VARIABLES=statewt
  /STATISTICS=MEAN.

SPLIT FILE OFF.

weight by statewt.
DESCRIPTIVES VARIABLES=statewt
  /STATISTICS=MEAN.

* ACTION: Copy means to Excel to calculate Margin of Error with Design Effects.
* ACTION: Save Excel file as new version.

compute adjwt10=adjwt*10000.
compute msuewt10=msuewt*10000.
compute statewt10=statewt*10000.
*compute racewt=racewt*10000.
execute.
weight by statewt.

* ACTION: Resume2 (for 2 rounds of Weighting).

SORT CASES by CASEID (A).

* ACTION: Save dataset as soss##wtFULL.sav.
* ACTION: Copy DATA LIST contents from soss##rdd.sps from "/1" to to "females ##-##" (leave
everything after females intact).
* ACTION: Delete rname and email (and the numbers right after them) below.
* ACTION: If 1 iteration: Use STATEWT10, ADJWT10, and MSUEWT10 below.
* ACTION: If 2 iterations: Use STATEWT210, ADJWT210, and MSUEWT210 below.

write Outfile=''
 /1       CASEID 1-5 (A)            ID1 1-5 (A)                    R1 6
               cnty 7-11               regn 12       randippsr1 13 (A)
       randippsr3 14 (A)      random2a 15 (A)         random2b 16 (A)
          random3 17 (A)       random4 18 (A)         city2 19-38 (A)
              listed 39              CC1 40                  CC2 41
                CC3 42              CC4 43                  CC5 44
                CC6 45              PO1 46                  PO2 47
 /2          CD1 1              CD2 2-3                  CD3 4-5
               CD5a 6              CD4@a 7                 CD4@b 8
              CD4@c 9              CD4@d 10                CD4@e 11
              CD4@f 12              CD4@g 13               CD6 14-15
              CD7@a 16              CD7@b 17               CD7@c 18
              CD7@d 19              partyid 20             P17@a 21
              P17@b 22              P17@c 23               P17@d 24
            ideology 25              CD8 26            married 27 (A)
              CD10 28-29          CD11 30-31            CD15 32-33
                UN1 34              UN2 35                  UN3 36
               inca 37              incb 38                incca 39
               incc 40              incd 41                 incf 42
               incg 43              inch 44                incha 45
               inci 46           income 47-48           CD26 49-50
                 X1 51          zipcode 52-56        demo_county 57-59
         demo_Detroit 60      cellular2 61-62        demo_cell1 63
         demo_cell4 64-66         ippsr111 67           ippsr112 68
        grossmann4a 69       grossmann4b 70           ippsr141 71
        ippsr142a 72-73      ippsr142b 74-75         ippsr10 76-77
          ippsr12p1a 78         ippsr12p1b 79         ippsr12p2a 80
 /3       ippsr12p2b 1         ippsr12pa 2-3         ippsr12pb 4-5
             ippsr101c 6          ippsr101t 7            ippsr102 8
             ippsr103 9           ippsr104 10          ippsr105a 11
           ippsr105b 12
              casal01 13              casal02 14
              casal03 15              casal04 16                 v5 17
```

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```
                      v8 18              volopp 19-20              av101 21
             av102 22                  ta5 23                  ta6 24
               v1 25                   v4 26                   v9 27
        volopp100 28-29             envi01 30              envi02 31
             envi03 32              envi04 33             lawlor01 34
          lawlor03 35 (A)        lawlor04 36 (A)          casal05a 37
          casal05b 38            casal05c 39            casal06a 40
          casal06b 41            casal06c 42            casal07a 43
          casal07b 44            casal07c 45             vacc00 46
           vacc01a 47             vacc01b 48             vacc01c 49
           vacc01d 50             vacc01e 51             vacc01f 52
           vacc01g 53             vacc02a 54             vacc02b 55
           vacc02c 56             vacc02d 57             vacc02e 58
           vacc02f 59             vacc02g 60             vacc02h 61
           vacc02i 62             vacc02j 63             vacc02k 64
           vacc02l 65             vacc02m 66             vacc02n 67
           vacc02o 68             vacc02p 69             vacc02q 70
           vacc02r 71             vacc02s 72             vacc02t 73
           vacc03a 74             vacc03b 75             vacc03c 76
           vacc03d 77             vacc03e 78             vacc03f 79
           vacc03g 80
 /4         vacc03h 1              vacc03i 2            ippsr54 3-4
          ippsr55 5-6           ippsr56 7-8          ippsr57 9-10
          ippsr130 11           ippsr120 12           ippsr121 13
          ippsr151 14           ippsr152 15
          ippsr71 16            ippsr72 17
          ippsr122 18
          ippsr123 19           ippsr102e 50
 /6           RI 1                  RIa 2
        raceperc 63            ippsr12p 71            ippsr105 73
 /7        contacts 1-2           length 3-6            idate 7-14
            iwer 15-17          males 18-19         females 20-21
            FNL 25-26
        races  43        AGECAT 44         ADJWT210 46-52
          MSUEREGN 54                  MSUEWT210 56-62
         STATEWT210 64-70     rac3 71      AGE 72-73      imprace 74      newinc 75-76
        source 77   educat4 78 .
execute .

DELETE VARIABLES rname email income.
DELETE VARIABLES adjwt10 msuewt10 statewt10.
DELETE VARIABLES adjwt210 msuewt210 statewt210.

* ACTION: Save dataset as soss#wt.sav.

SAVE TRANSLATE OUTFILE=''
  /TYPE=STATA
  /VERSION=8
  /EDITION=SE
  /MAP
  /REPLACE.

SAVE TRANSLATE OUTFILE=''
  /TYPE=XLS
  /VERSION=12
  /MAP
  /REPLACE
  /FIELDNAMES
  /CELLS=VALUES.

* ACTION: Save sps (this file) files as new version.
* ACTION: Open soss##.xlsx, replace "#NULL!" with nothing, change number type to "General" for all
cells, save file as xls, close file.
* ACTION: Close all files.
```

SPSS Type Conversion Syntax

```
ALTER TYPE R1 cnty regn  CC1 CC2 CC3 CC4 CC5 CC6 PO1 PO2 (F8.0).
ALTER TYPE UN1 UN2 UN3 inca incb incca incc incd incf incg inch incha inci X1 zipcode demo_county
demo_Detroit cellular2 (F8.0).
ALTER TYPE RI contacts length idate iwer (F8.0).
ALTER TYPE cellular2 demo_county demo_cell1 demo_cell4 (F8.0).
ALTER TYPE CD8 CD15 CD11 CD26 (F8.0).
ALTER TYPE CD1 CD2 CD3 CD10 (F8.0).

ALTER TYPE RIa (F8.0).  /* Not in Recall source.
ALTER TYPE income males females listed (F8.0).  /* Not in Recall.
ALTER TYPE CD5a CD4@a CD4@b CD4@c CD4@d CD4@e CD4@f CD6 CD7@a CD7@b CD7@c CD7@d CD6 (F8.0).  /* Not
in Recall.
ALTER TYPE LANDLINE CELLUSE (F8.0).  /* Not in RDD.
ALTER TYPE A1 P4a (F8.0).  /* Seasonal.


VARIABLE ALIGNMENT R1 cnty regn CC1 CC2 CC3 CC4 CC5 CC6 PO1 PO2 (RIGHT).
VARIABLE ALIGNMENT CD1 CD2 CD3 CD8 CD3 CD15 CD10 CD11 CD26 (RIGHT).
VARIABLE ALIGNMENT UN1 UN2 UN3 inca incb incca incc incd incf incg inch incha inci X1 zipcode
demo_county demo_Detroit cellular2 (RIGHT).
VARIABLE ALIGNMENT RI contacts length idate iwer (RIGHT).
VARIABLE ALIGNMENT cellular2 demo_county demo_cell1 demo_cell4 (RIGHT).

VARIABLE ALIGNMENT RIa (RIGHT).  /* Not in Recall source.
VARIABLE ALIGNMENT income males females listed (RIGHT).  /* Not in Recall.
VARIABLE ALIGNMENT CD5a CD4@a CD4@b CD4@c CD4@d CD4@e CD4@f CD6 CD7@a CD7@b CD7@c CD7@d CD6
(RIGHT).  /* Not in Recall.
VARIABLE ALIGNMENT LANDLINE CELLUSE (RIGHT).  /* Not in RDD.
VARIABLE ALIGNMENT A1 P4a (RIGHT).  /* Seasonal.


MISSING VALUES LANDLINE CELLUSE (8,9).  /* Not in RDD.
```

Additional SPSS Syntax for SOSS 73

```
* Create combined ippsr/voting variables.
MISSING VALUES  ippsr12p1a ().
MISSING VALUES  ippsr12p1b ().
MISSING VALUES  ippsr12p2a ().
MISSING VALUES  ippsr12p2b ().
MISSING VALUES  ippsr105a ().
MISSING VALUES  ippsr105b ().

* Recode existing 0 (Other) responses to 90, to get them out of the way of the next steps.
RECODE ippsr12p1a ippsr12p1b ippsr12p2a ippsr12p2b (0=90).
RECODE ippsr105a ippsr105b (0=90).
EXECUTE.

* Recode blanks to 0, so they can be used in the math below.
RECODE ippsr12p1a ippsr12p1b ippsr12p2a ippsr12p2b (sysmis=0).
RECODE ippsr105a ippsr105b (sysmis=0).
EXECUTE.

* Add multi-part questions into single variables.
COMPUTE ippsr12pa=ippsr12p1a+ippsr12p2a.
COMPUTE ippsr12pb=ippsr12p1b+ippsr12p2b.
COMPUTE ippsr105=ippsr105a+ippsr105b.
MISSING VALUES  ippsr12pa ().
MISSING VALUES  ippsr12pb ().

* Create single voting variable (ippsr12p) by using ippsr12pa value, unless it is 8, in which case
use ippsr12pb value.
```

```
COMPUTE idaten=idate.
EXECUTE.
ALTER TYPE idaten (F8.0).
COMPUTE ippsr12p=ippsr12pa.
do if ippsr12pa=8.
COMPUTE ippsr12p=ippsr12pb.
end if.
do if idaten>09152016 AND (ippsr12pa=0 OR ippsr12pa=6).
COMPUTE ippsr12p=ippsr12pb.
end if.
EXECUTE.
DELETE VARIABLES idaten.

* Recode 0 to blank (restore to missing).
RECODE ippsr12p1a ippsr12p1b ippsr12p2a ippsr12p2b (0=sysmis).
RECODE ippsr12pa ippsr12pb (0=sysmis).
RECODE ippsr12p (0=sysmis).
RECODE ippsr105a ippsr105b (0=sysmis).
RECODE ippsr105 (0=sysmis).
EXECUTE.

* Recode 90 to 0 (restore Other responses).
RECODE ippsr12p1a ippsr12p1b ippsr12p2a ippsr12p2b (90=0).
RECODE ippsr12pa ippsr12pb (90=0).
RECODE ippsr12p (90=0).
RECODE ippsr105a ippsr105b (90=0).
RECODE ippsr105 (90=0).
EXECUTE.

VALUE LABELS
    ippsr12p 0 'OTHER: SPECIFY' 1 'HILLARY CLINTON (DEMOCRAT)'
             2 'DONALD TRUMP (REPUBLICAN)' 6 'NO ONE/NONE/NEITHER' 8 'DO NOT KNOW' 9 'REFUSED' /
    ippsr105 0 'OTHER: SPECIFY' 1 'DEMOCRATIC CANDIDATE'
             2 'REPUBLICAN CANDIDATE' 6 'NO ONE/NONE/NEITHER' 8 'DO NOT KNOW' 9 'REFUSED' /
.

VARIABLE LABELS
    ippsr12p 'Election: Support (Combined)' /
    ippsr105 'Election: House of Representatives (Combined)' /
.

MISSING VALUES  ippsr12pa (8,9).
MISSING VALUES  ippsr12pb (8,9).
MISSING VALUES  ippsr12p (8,9).
MISSING VALUES  ippsr105a (8,9).
MISSING VALUES  ippsr105b (8,9).
MISSING VALUES  ippsr105 (8,9).

MISSING VALUES  ippsr12p1a (9,8).
MISSING VALUES  ippsr12p1b (9,8).
MISSING VALUES  ippsr12p2a (9,8).
MISSING VALUES  ippsr12p2b (9,8).


* Get rid of extraneous decimals on computed variables.
ALTER TYPE ippsr12pa ippsr12pb ippsr12p ippsr105a ippsr105b ippsr105 (F8.0).

* Delete variables only used in computations.
DELETE VARIABLES filter_$.
```

14. Codebook

The codebook is provided in a separate document, and reports frequencies based on the weighted data with the weight variable STATEWT2 being applied.