PEW RESEARCH CENTER
CODEBOOK AND INSTRUCTIONS FOR WORKING WITH AMERICAN TRENDS PANEL DATA
Updated January 2021

DEMOGRAPHIC PROFILE VARIABLES

Each ATP dataset comes with a number of variables prefixed by "F_" (for "frame") that contain demographic profile data. These variables are not measured every wave; instead, they are sourced from panel profile surveys conducted on a less frequent basis. Some profile variables are also occasionally asked on panel waves and are accordingly updated for each panelist. Profile information is based on panelists' most recent response to the profile questions. Some variables are coarsened to help protect the confidentiality of our panelists. Interviewer instructions in [ ] and voluntary responses in ( ) are included if the source of a profile variable was ever presented in phone (CATI) mode. See Appendix I for the profile variable codebook.

UNIQUE IDENTIFIER

The variable QKEY is a unique identifier assigned to each respondent. QKEY can be used to link multiple panel waves together. Note that except in a few instances, weights are only provided for single waves. Use caution when analyzing data from multiple waves without weights that are designed for use with multiple waves.

DATA VARIABLE TYPES

American Trends Panel datasets contain single-punch or multi-punch variables. For questions in a 'Check all that apply' format, each option has its own variable indicating whether a respondent selected the item or not. For some datasets there is an additional variable indicating whether a respondent did not select any of the options. Open-end string variables are not included in ATP datasets. Coded responses to open-end questions are included when available.

DATASET FORMAT

The dataset is formatted as a .sav file and can be read with the SPSS software program. The dataset can also be read with the R programming language, using the 'foreign' package. R is a free, open-source program for statistical analysis that can be downloaded at: https://cran.r-project.org/. It can also be used to export data in .csv format for use with other software programs.

NOTE: Using other tools to directly convert the .sav file to another format such as .csv may ERASE value labels. For this reason, it is highly recommended that you use either SPSS or R to read the file directly.

The following example code shows how to import data into R, view variable descriptions, and export the data to .csv format.

```
### EXAMPLE CODE ###
library(foreign)

# The following line of code will import the dataset as an R data.frame
# Replace XX with the wave number

atp <- read.spss("ATP WXX.sav", to.data.frame = TRUE)

# The following line of code will show the variable description
```

Replace VAR with the variable name

attr(atp, "variable.labels")[["VAR"]]

The following line of code exports the data to .csv format.

write.csv(atp, "ATP WXX.csv", row.names = FALSE)

Click here to read an article on how to analyze Pew Research Center data in R. More advanced R users can click here to read an article on how to use different R packages to help analyze our data. These articles are part of Pew Research Center's blog on medium that is entitled Decoded.

APPENDIX I.
DEMOGRAPHIC PROFILE VARIABLE CODEBOOK

****************************** **IMPORTANT** **
This section lists the demographic profile variables typically available in the ATP publicly released datasets. These variables have the prefix "F_" to denote that they are "frame" profile variables, which are not asked every wave.

In most cases, the F_ variables are recoded versions of questions asked in the annual panel profile survey. Those source questions, from which the F_ variables are computed, are provided below and **shaded gray**. Some source questions are not publicly released in order to help protect the confidentiality of our panelists. Previous versions of these variables in older ATP datasets may end in "_FINAL" or "_RECRUITMENT".

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F_METRO
Metropolitan area indicator coded from FIPS. "Metropolitan" refers to whether the panelist's county is part of a Metropolitan Statistical Area.

1	Metropolitan
2	Non-metropolitan

F_CREGION
Census region coded from FIPS.

1	Northeast
2	Midwest
3	South
4	West

F_CREGION
Census division coded from FIPS.

1	New England
2	Middle Atlantic
3	East North Central
4	West North Central
5	South Atlantic
6	East South Central
7	West South Central
8	Mountain
9	Pacific

F_AGECAT
Four-way category based on the panelist age as calculated from their date of birth. If only YOB is available, age is calculated as calendar year July 1 – YOB. If DOB and YOB are both unavailable, age is calculated as calendar year of recruitment survey – self-reported age at the time of recruitment. Age is updated annually during the annual profile survey.

1	18-29
2	30-49
3	50-64
4	65+
99	Refused

DOB   What is your date of birth? Like all of the information you provide us, this information will only be used for research-related purposes.

ASK IF DOB=MISSING:
YOB   If you do not wish to provide your full date of birth, may we have just your year of birth? Again, this information will only be used for research-related purposes.

AGE   What is your age?

_____ years
98   98 or older
99   Don't know/Refused **(VOL.)**

F_SEX
Self-reported sex.

SEXASK   Are you male or female?
1   Male
2   Female
99   Refused

F_EDUCCAT
Three-way category coded from self-reported educational attainment.

1	College graduate+	(EDUC_ACS =11,12,13,14)
2	Some college	(EDUC_ACS =8,9,10)
3	H.S. graduate or less	(EDUC_ACS =1,2,3,4,5,6,7)
99	Don't know/Refused	(EDUC_ACS =Refused)

EDUC_ACS   What is the highest degree or level of school that you have COMPLETED?

1   No schooling completed
2   Nursery school
3   Kindergarten
4   Grade 1 through 11 (Specify Grade _____)
5   12th Grade – **NO DIPLOMA**
6   Regular high school diploma
7   GED or alternative credential
8   Some college credit, but less than 1 year of college credit
9   1 or more years of college credit, no degree
10   Associate's degree (for example: AA, AS)
11   Bachelor's degree (for example: BA, BS)
12   Master's degree (for example: MA, MS, MEng, MEd, MSW, MBA)
13   Professional degree beyond a bachelor's degree (for example: MD, DDS, DVM, LLB,JD)
14   Doctorate degree (for example: PhD, EdD)

F_EDUCCAT2
Six-way category coded from self-reported educational attainment.

1	Less than high school	(EDUC_ACS=1,2,3,4,5)
2	High school graduate	(EDUC_ACS =6,7)
3	Some college, no degree	(EDUC_ACS=8,9)
4	Associate's degree	(EDUC_ACS=10)
5	College graduate/some postgrad	(EDUC_ACS =11)
6	Postgraduate	(EDUC_ACS =12,13,14)
99	Don't know/Refused	(EDUC_ACS =Refused)

F_HISP
Self-reported Hispanic, Latino, or Spanish origin.

HISP   Are you of Hispanic, Latino, or Spanish origin, such as Mexican, Puerto Rican or Cuban?

1   Yes
2   No
99   Refused

F_RACECMB[1]
Five-way category combining race.

1	White
2	Black or African-American
3	Asian or Asian-American
4	Mixed Race
5	Or some other race
99	Don't know/Refused

RACEMOD   What is your race or origin? *[Check all that apply]*

1	White
2	Black or African-American
3	Asian or Asian-American
4	American Indian or Alaska Native
5	Native Hawaiian or other Pacific Islander
6	Some other race or origin **[TEXT BOX]**

F_RACETHNMOD[2]
Five-way category combining race and ethnicity.

1	White, non-Hispanic
2	Black, non-Hispanic
3	Hispanic
4	Other
5	Asian, non-Hispanic
99	Refused

```
if racecmb=1 and hisp ge 2 racethn=1.
if racecmb=2 and hisp ge 2 racethn=2.
if (racecmb ge 3 and racecmb le 5) and (hisp ge 2) racethn=4.
if racecmb=9 racethn=9.
if hisp=1 racethn=3.
variable label racethn "Race-Ethnicity".
value label racethn
    1 "White non-Hispanic"
    2 "Black non-Hispanic"
    3 "Hispanic"
    4 "Other"
    9 "Refused".
```

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[1] Includes backcoded responses to RACE=4 Some other race. For more information on backcoding procedures contact info@pewresearch.org.
[2] Older ATP datasets have variable F_RACETHN, which had Asian, non-Hispanic in the Other category.

F_CITIZEN
Citizenship status.

CITIZEN   Are you a citizen of the United States?

1   Yes
2   No

Previous versions of this variable in older ATP datasets were coded as follows based on a combination of responses to three separate questions. This variable was previously labeled as F_CITIZEN_RECODE_RECRUITMENT in ATP datasets prior to W38.

1   US Citizen   (BIRTH_HISP =1,2 OR USBORN =1,3,4
                        OR CITIZEN=1)
2   Not US Citizen   (CITIZEN=2)
9   DK US Citizen   (CITIZEN=9)

ASK IF HISPANIC (HISP=1 OR RACE=7):
BIRTH_HISP   Were you born in the United States, on the island of Puerto Rico, or in another country?

1   U.S.
2   Puerto Rico
3   Another country
9   Don't know/Refused **(VOL.)**

ASK IF NOT HISPANIC (HISP=2,9 AND RACE≠7):
USBORN   Were you born in the United States or in another country?

1   Yes, born in U.S.
2   No, some other country
3   Puerto Rico **(VOL.)**
4   Other U.S. Territories (includes Guam, Samoa, U.S. Virgin Islands) **(VOL.)**
9   Don't know/Refused **(VOL.)**

F_NATIVITY2
Country of birth with Cuba and Mexico broken out.

1   U.S.
2   Puerto Rico
3   Other U.S. territory
4   Cuba
5   Mexico
99   Refused

BIRTHPLACE	Where were you born?
	1 U.S.
	2 Puerto Rico
	3 Other U.S. territory
	4 Another country

ASK IF BIRTHPLACE=4:

COUNTRY	In what country where you born? **[TEXT BOX]**

F_MARITAL

Self-reported marital status.

MARITAL	Which of these best describes you?
	1 Married
	2 Living with a partner
	3 Divorced
	4 Separated
	5 Widowed
	6 Never been married

F_RELIG[3]

Self-reported religious affiliation.

RELIG	What is your present religion, if any?
	[IN CATI ONLY: INTERVIEWER: IF R VOLUNTEERS "nothing in particular, none, no religion, etc." BEFORE REACHING END OF LIST, PROMPT WITH: And would you say that's atheist, agnostic, or just nothing in particular?]
	1 Protestant (Baptist, Methodist, Non-denominational, Lutheran, Presbyterian, Pentecostal, Episcopalian, Reformed, Church of Christ, Jehovah's Witness, etc.)
	2 Roman Catholic (Catholic)
	3 Mormon (Church of Jesus Christ of Latter-day Saints/LDS)
	4 Orthodox (Greek, Russian, or some other orthodox church)
	5 Jewish (Judaism)
	6 Muslim (Islam)
	7 Buddhist
	8 Hindu
	9 Atheist (do not believe in God)
	10 Agnostic (not sure if there is a God)
	11 Something else **(SPECIFY:_____)**

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[3] Includes backcoded responses to RELIG=11 Something else. For more information on backcoding procedures contact info@pewresearch.org.

12   Nothing in particular
13   Christian **(VOL.)**
14   Unitarian (Universalist) **(VOL.)**
99   Don't Know/Refused **(VOL.)**

F_BORN
Self-reported follow up to confirm Evangelical status.

ASK IF SOMETHING ELSE OR DK/REF (RELIG=11, 99):

CHR   Do you think of yourself as a Christian or not? **[IF R NAMED A NON-CHRISTIAN RELIGION IN PREVIOUS QUESTION (e.g. Native American, Wiccan, Pagan, etc.), DO NOT READ (ENTER "NO" CODE 2)]**

1   Yes
2   No
9   **(VOL.)** Don't know/Refused

ASK IF CHRISTIAN (RELIG =1-4 OR CHR=1):

BORN   Would you describe yourself as a born-again or evangelical Christian, or not?

1   Yes, born-again or evangelical Christian
2   No, not born-again or evangelical Christian

F_ATTEND
Self-reported religious service attendance frequency.

ATTEND   Aside from weddings and funerals, how often do you attend religious services?

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

F_PARTY_FINAL
Self-reported party identification.

PARTY   In politics today, do you consider yourself a…

1   Republican
2   Democrat
3   Independent
4   Something else

F_PARTYLN_FINAL
Self-reported party identification (lean).

ASK IF INDEP/SOMETHING ELSE (PARTY=3 or 4 or REFUSED):
PARTYLN   As of today do you lean more to…

         1   The Republican Party
         2   The Democratic Party

F_PARTYSUM_FINAL
Party summary recoded off F_PARTY_FINAL and F_PARTYLN_FINAL.

         1   Rep/Rep Lean
         2   Dem/Dem Lean
         3   Independent/No Lean
         99   DK/Ref

IF PARTY=1 OR PARTYLN=1 PARTYSUM_FINAL=1.
IF PARTY=2 OR PARTYLN=2 PARTYSUM_FINAL=2.
IF PARTY=3 AND PARTYLN=99 PARTYSUM_FINAL=9.
IF PARTY=4 AND PARTYLN=99 PARTYSUM_FINAL=9.
IF PARTY=99 AND PARTYLN=99 PARTYSUM_FINAL=9.

F_INCOME
Self-reported family income.

INCOME   Last year, that is in [FILL LAST YEAR], what was your total family income from all sources, before taxes?

         1   Less than $10,000
         2         $10,000 to less than $20,000
         3         $20,000 to less than $30,000
         4         $30,000 to less than $40,000
         5         $40,000 to less than $50,000
         6         $50,000 to less than $75,000
         7         $75,000 to less than $100,000
         8         $100,000 to less than $150,000
         9         $150,000 or more

F_INCOME_RECODE
Three-way category coded from self-reported family income.

1	$75,000+
2	$30-$74,999
3	<$30,000
99	(VOL) Don't know/Refused

$75,000+	(INCOME =7,8,9)
$30-$74,999	(INCOME =4,5,6)
<$30,000	(INCOME =1,2,3)
Don't know/Refused	(INCOME =99)

F_REG
Self-reported voter registration status.

REG   Which of these statements best describes you?

1   You are ABSOLUTELY CERTAIN that you are registered to vote at your current address
2   You are PROBABLY registered, but there is a chance your registration has lapsed
3   You are NOT registered to vote at your current address

F_IDEO
Self-reported ideology.

IDEO   In general, would you describe your political views as…

[PROGRAMMING NOTE: REVERSE RESPONSE OPTION SCALE FOR RANDOM HALF OF RESPONDENTS]

1   Very conservative
2   Conservative
3   Moderate
4   Liberal
5   Very liberal

F_ACSWEB
Household internet status.

       1   Accesses internet by paying provider
       2   Does not access the Internet by paying a cell phone company or Internet service provider

ACS_WEB   At your house, apartment or mobile home, do you or any member of this household have access to the internet?

       1   Yes, by paying a cell phone company or internet service provider
       2   Yes, without paying a cell phone company or internet service provider
       3   No access to the internet at my house, apartment, or mobile home

Older ATP datasets contained variable F_INTUSER to define internet status, which were coded as follows:

F_INTUSER source from 2017-2019:

HOMEINT1   Do you personally have access to the internet at your home?

       1   Yes
       2   No
       9   **(VOL.)** Don't Know/Refused

ASK IF NO INTERNET ACCESS AT HOME OR DK (HOMEINT1=2,9):
OTHERINT1   Do you use the internet anywhere other than your home, at least occasionally?

       1   Yes **[SKIP TO INT3M]**
       2   No
       9   **(VOL.)** Don't Know/Refused

ASK IF DOES NOT USE THE INTERNET (OTHERINT1=2,9):
INT2   Do you send or receive email, at least occasionally?

       1   Yes
       2   No
       9   **(VOL.)** Don't Know/Refused

ASK IF DOES NOT HAVE THE INTERNET AT HOME (HOMEINT1=2,9):
INT3M   Do you access the internet on a cell phone, tablet or other mobile handheld device, at least occasionally?

       1   Yes
       2   No
       9   **(VOL.)** Don't Know/Refused

```
compute intuser = 0.
if homeint1 = 1 or int2=1 or int3m = 1 intuser = 1.
value label intuser
        1 "Internet user"
        0 "Not internet user"
```

F_INTUSER source from 2014-2016:

INT1   Do you use the internet, at least occasionally?
            1   Yes
            2   No
            9   Don't Know/Refused **(VOL.)**

ASK IF DOES NOT USE THE INTERNET (INT1=2,9):
INT2   Do you send or receive email, at least occasionally?

            1   Yes
            2   No
            9   Don't Know/Refused **(VOL.)**

ASK IF DOES NOT USE THE INTERNET OR EMAIL (INT2=2,9):
INT3M   Do you access the internet on a cell phone, tablet or other mobile handheld device, at
            least occasionally?

            1   Yes
            2   No
            9   Don't know/Refused **(VOL.)**


```
compute intuser = 0.
if int1 eq 1 or int2 eq 1 or int3m eq 1 intuser = 1.
val lab intuser
        1 'Internet user'
        0 'Not internet user'.
```

F_VOLSUM
Self-reported volunteerism status.

1   Yes
2   No
99   Refused

VOL12_CPS   In the past 12 months, did you spend any time volunteering for any organization or association? (This includes activities people may not think of, such as infrequent activities or for children's schools.)

1   Yes
2   No

Older ATP datasets had F_VOLSUM computed based on asking two separate questions:

VOL1_CPS   In the past 12 months, did you spend any time volunteering for any organization or association?

1   Yes
2   No

IF NO OR DID NOT ANSWER VOL1_CPS (VOL1_CPS=2 or refused)
VOL2_CPS   Some people don't think of activities they do infrequently or for children's schools or youth organizations as volunteer activities. In the past 12 months have you done any of these types of activities?

1   Yes
2   No

IF VOL1=1 OR VOL2=1 F_VOLSUM=1
IF VOL1=2,99 AND VOL2=2 F_VOLSUM=2
IF VOL1=2,99 AND VOL2=99 F_VOLSUM=99

F_INC_TIER2
Income tier 3-way.

1   Lower income
2   Middle income
3   Upper income
99   Refused

INC_SDT1   Last year, that is in 2019, what was your total family income from all sources, before taxes?

    1   Less than $30,000
    2    $30,000 to less than $40,000
    3    $40,000 to less than $50,000
    4    $50,000 to less than $60,000
    5    $60,000 to less than $70,000
    6    $70,000 to less than $80,000
    7    $80,000 to less than $90,000
    8    $90,000 to less than $100,000
    9    $100,000 or more

ASK IF FAMILY INCOME IS $30,000 OR LESS (INC_SDT1=1):
INC_SDT2   And in 2019, would you say that your total family income from all sources, before taxes, was…

    1   Less than $5,000
    2    $5,000 to less than $10,000
    3    $10,000 to less than $15,000
    4    $15,000 to less than $20,000
    5    $20,000 to less than $25,000
    6    $25,000 to less than $30,000

ASK IF FAMILY INCOME IS $100,000 OR MORE (INC_SDT1=9):
INC_SDT3   And in 2019, would you say that your total family income from all sources, before taxes, was…

    1    $100,000 to less than $125,000
    2    $125,000 to less than $150,000
    3    $150,000 to less than $175,000
    4    $175,000 to less than $200,000
    5    $200,000 to less than $225,000
    6    $225,000 to less than $250,000
    7    $250,000 or more

To create upper-, middle- and lower-income tiers, respondents' family incomes were adjusted for differences in purchasing power by geographic region and for household size. "Middle-income" adults live in families with annual incomes that are two-thirds to double the median family income in the panel (after incomes have been adjusted for the local cost of living and for household size). The middle-income range for the American Trends Panel is about $38,900 to $116,800 annually for an average family of three. Lower-income families have incomes less than roughly $38,900, and upper-income families have incomes greater than roughly $116,800.

F_HISP_ORIGIN[4]
Hispanic origin.

     1   Mexican
     2   Puerto Rican
     3   Cuban
     4   Spanish
     5   All others
     6   Non-Hispanic
     99   Refused

ASK IF HISPANIC (HISP=1):
HISPORIG1   Thinking about your family's heritage, are you Mexican, Puerto Rican, Cuban, Dominican, Salvadoran, or are you and your ancestors from another country? *[Check all that apply]*

     1   Mexican
     2   Puerto Rican
     3   Cuban
     4   Dominican
     5   Salvadoran
     6   Spanish
     7   Other Central American
     8   Other South American
     97   Other country **[TEXT BOX]**

ASK IF MORE THAN ONE ANSWER SELECTED IN HISPORIG1; DISPLAY ONLY ITEMS SELECTED IN HISPORIG1:
HISPORIG2   Of the heritages you selected, which one do you identify most closely with?

     1   Mexican
     2   Puerto Rican
     3   Cuban
     4   Dominican
     5   Salvadoran
     6   Spanish
     7   Other Central American
     8   Other South American
     97   Other country **[TEXT BOX]**

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[4] Includes backcoded response to Other specify entries.

F_YEASRSINUS

Foreign-born Hispanic Years in U.S.

1	Born in US (not including unincorporated territories)
2	0-10 years
3	11-20 years
4	20+ years
99	Refused

ASK IF BORN IN PUERTO RICO, OTHER US TERRITORY OR OUTSIDE OF US (BIRTHPLACE=2,3,4):

YEARSINUS   How many years have you lived in the United States (excluding Puerto Rico or other U.S. territories)? *[Enter 0 for less than one year]*

F_PARTYSUMIDEO

Combination of F_IDEO and F_PARTYSUM_FINAL.

1	Conservative Rep/Lean
2	Moderate/Liberal Rep/Lean
3	Moderate/Conservative Dem/Lean
4	Liberal Dem/Lean
99	Refused either F_IDEO or F_PARTYSUM_FINAL

APPENDIX II.
PAST VERSIONS OF DEMOGRAPHIC PROFILE VARIABLES

The following variables were included in some previous ATP datasets but are no longer measured and are unavailable starting with Wave 38.

F_INSURANCE_FINAL
Self-reported insurance coverage.

INSURANCE	Are you, yourself, now covered by any form of health insurance or health plan or do you not have health insurance at this time?
	1 Covered by health insurance
	2 Not covered by health insurance

F_INT_FREQ1_FINAL
Self-reported internet frequency use.

INT_FREQ1	For the following question, consider time spent on the internet from a computer or mobile device at home, work, or any other locations.
	How often did you USUALLY access the internet over the last year?
	1 Every day
	2 At least once a week but not every day
	3 Once a week
	4 Once a month
	5 Less than once a month
	6 Never

F_INT_FREQCOMB_FINAL
Coded internet frequency use for self-reported daily users.

1	Use the Internet constantly
2	Use the Internet many times a day
3	Use the Internet a few times a day
4	Use the Internet about once a day
5	Use the Internet at least once a week but not every day
6	Use the Internet once a week
7	Use the Internet once a month

ASK FOR THOSE WHO SAY "EVERY DAY" (INT_FREQ1=1)
INT_FREQ2   Which of these best describes your Internet use:

> **[PROGRAMMING NOTE: Randomize half of respondents to get response options in order shown, other half gets the reverse]**

1	I use the Internet almost constantly
2	I use the Internet many times a day
3	I use the Internet a few times a day
4	I use the Internet about once a day

IF INT_FREQ1 =1 AND INT_FREQ2=1 INT_FREQCOMB_FINAL=1.
IF INT_FREQ1 =1 AND INT_FREQ2=2 INT_FREQCOMB_FINAL=2.
IF INT_FREQ1 =1 AND INT_FREQ2=3 INT_FREQCOMB_FINAL=3.
IF INT_FREQ1 =1 AND INT_FREQ2=4 INT_FREQCOMB_FINAL=4.
IF INT_FREQ1 =2 INT_FREQCOMB_FINAL=5.
IF INT_FREQ1 =3 INT_FREQCOMB_FINAL=6.
IF INT_FREQ1 =4 INT_FREQCOMB_FINAL=7.
IF INT_FREQ1 =5 INT_FREQCOMB_FINAL=8.
IF INT_FREQ1 =6 INT_FREQCOMB_FINAL=9.

F_SNSUSER_FINAL

Social media user as coded from self-reported social network use.

0	Not Social Media User
1	Social Media User

SNS	Do you use any of the following social networking sites? **[RANDOMIZE WITH "OTHER" ALWAYS LAST]**
	[Check all that apply]
	a. Facebook
	b. Twitter
	c. Google Plus
	d. LinkedIn
	e. Instagram
	h. Vine
	i. Tumblr
	j. YouTube
	k. Reddit
	l. Snapchat
	m. Pinterest
	n. WhatsApp
	o. Other
	F_SNSUSER_FINAL=1 if any in SNSa-o=1

F_BBINT_RF1

Self-reported high-speed internet access.

BBINT	Does your household currently subscribe to some type of high-speed internet service (such as cable internet, DSL, FIOS, or satellite internet service), not including a data plan you might have for a cell phone?
	1 Yes, have high-speed internet service at home
	2 No, do not have high-speed internet service
	3 Not sure

F_IDEOCONSISTREC_RECRUITMENT

Coded ideological consistency.

For details see: http://www.people-press.org/2014/06/12/appendix-a-the-ideological-consistency-scale/