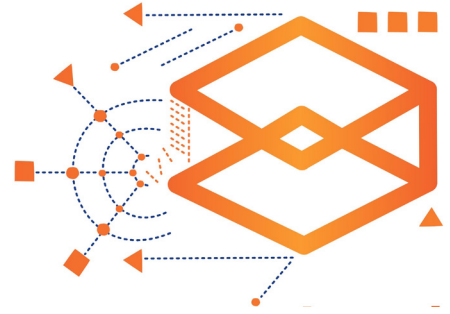


Can They Say That?



Introduction:

In this task students consider headlines and decide if they are fair. Students consider the evidence in the data and explain how the survey sample impacts the fairness of the statements made. We have included two versions of this task. One version includes articles with data visuals and the other shares the headlines with the data in CODAP. Students use CODAP tools to evaluate the accuracy of the headline and make statements to back up their claims.

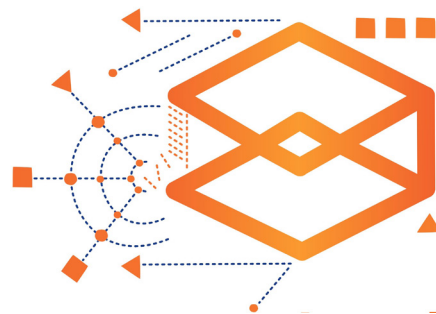
The tasks are both an opportunity for students to focus on the idea of sampling and to recognize that what we can say about data depends on who is represented. By starting with headlines we can look at sampling from a different perspective, we can do the analysis of the connection between who is in the sample and the statements being made.

Time	Activity	Materials
10 min	Share a headline about the local population and invite students to share if they think it's fair.	<ul style="list-style-type: none">Newspaper Headline
Optional 15 min	Demonstrate the capabilities of CODAP (as needed)	<ul style="list-style-type: none">Computer DeviceProjector
60 min	In groups, students: <ul style="list-style-type: none">Select the headline they want to considerExplore the article or the datasetCreate a poster	<ul style="list-style-type: none">Poster Paper & Markers (OR)Document software (googledoc, word, pages, etc.)
45 min	Have groups share their posters. For each poster sharing, encourage the audience to bring their most skeptical selves. <ul style="list-style-type: none">Invite students to ask questions about the ideas and visuals shared	
20 min	Discuss ideas about using samples to make statements about a population. <ul style="list-style-type: none">What would be a good sample for your class? School? City? State?Is it possible to survey a sample of your country? Why or why not?	

Teacher notes for version using CODAP

(a data analysis tool, <https://codap.concord.org/for-educators/>)

In this version students work in groups to create data visuals based on attributes from the dataset related to the headline. This version requires students to explore the dataset and decide which attributes they want to consider when determining the fairness of the headline. The amount of time spent on this activity can be predicted by students' familiarity with the CODAP tool and the number of attributes students want to consider. Once groups have conversation about what information is provided in the dataset and what attributes they want to consider encourage them to discuss how they want to work, will they be working side by side creating the visuals and discussing them as they go, will they spend some time working individually creating the visuals and then come back together to discuss as group, or a different approach. Encourage them to make the decision based on what is comfortable to them and what they want to explore.



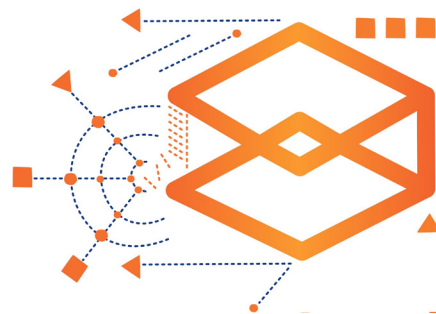
If students are using CODAP for the first time, we encourage you to look at a different dataset as a class that you could use to share how to create a graph and how to select attributes.

We have included the csv files for each dataset in CODAP. If you are concerned about time consider further cleaning the data before importing to CODAP. When making this decision consider how much time you want to spend on this activity. When students work with datasets we want the experience to be authentic and one truth about data is it is messy. Having students go through the process of cleaning data does not need to happen in every activity as long as it is routinely part of their overall experience.

If students are making paper posters they can hand draw sketches of their graphs from CODAP or if printers are available they can print pictures of their graphs. If students are making electronic posters they can take screenshots of the graphs and insert them into their document.

Teacher notes for version using articles from Pew Research Center (<https://www.pewresearch.org/>)

In this version of the task students will spend time reading the article. They make their decision about the fairness of the headline based on the information in the article. Encourage and challenge groups to use specific evidence data visuals including in the article. We encourage you to approach your discussion about the fairness of the headline like a skeptic. We consider this a low-tech version meaning students are doing the reading and analysis of the data visuals to decide on the fairness of the headline rather than creating the data visualizations to analyze the headline.



Activity:

Open with sharing a headline about the population, this could be about a local population like the city, county, or state. Ask them if they think the title is fair. Accept all responses without commenting and asking for more justification. Tell them this is what they will be discussing about a headline they select from the task card. Let them know they will determine the fairness of headlines with the article or dataset provided. Let students know they will share their ideas creating a poster that explains what they decided, and if they think the headline is unfair, they need to revise or rewrite the headline. Let students know they might find that the headline is fair and that their reasoning and justification about whether or not the headline is fair is what is most important about this experience.

Have groups read the task card together. Encourage them to clarify with each other what they are doing and what they have to include on their poster. Tell them if the group has clarifying questions about the goals of the activity or questions as they are working to call you over as needed.

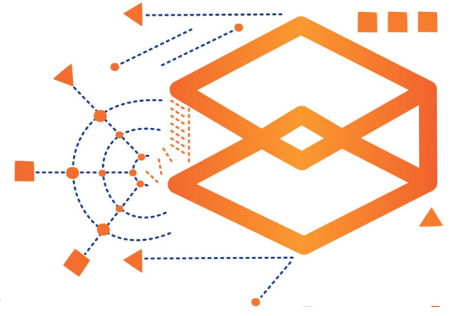
As you observe groups working, listen to how they challenge each other and provide evidence for their ideas. Encourage students to be skeptical because it will help them to build strong arguments when determining the fairness of the headline.



When groups are done with their posters, have each team share with the class. Start by asking for a group to volunteer. For each poster sharing, encourage the audience to bring their most skeptical selves. Invite students to ask questions about how their decisions about the fairness of the headlines are connected to the data visuals.

Once each group has shared, discuss ideas about using samples to make statements about a population. Invite students to imagine making statements about the class, school, city, and state and what the right kind of sample would include. Is it possible to survey a sample of your country? Why or why not?

Can They Say That?



Have you ever read or heard a headline of an article or news story and wondered, “Can they really say that?” Do you then imagine every single counter example you can think of? And then you kind of decide, “Sure the articles include a lot of data displays so they did their research - so it’s likely the headline has some truth to it, right?” But is it fair to share the headline in the way the article does?!?

In this activity you will work with your group to decide if the headlines and subheadings are fair statements to make about the data being used. Justify your position using evidence from the article.

Group Product:

Create a poster sharing how fair you think the headline and subheadings are. Complete posters include:

- Headlines and subheadings
- Evidence from articles (visuals, quotes, etc.)
- Explain how the survey sample impacts the fairness of a headline or subheading

Choose one article:

“Public and private college grads rank about equally in life satisfaction”

<https://www.pewresearch.org/fact-tank/2014/05/19/public-and-private-college-grads-rank-about-equally-in-life-satisfaction/>

“Declining Majority of Online Adults Say the Internet Has Been Good for Society”

<https://www.pewresearch.org/internet/2018/04/30/declining-majority-of-online-adults-say-the-internet-has-been-good-for-society/>

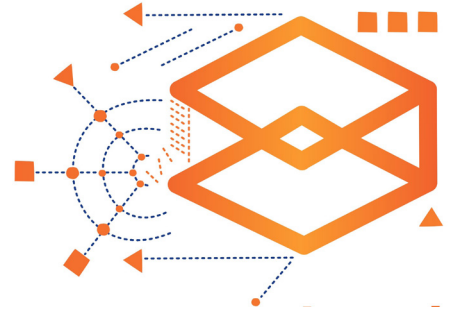
“Automation in Everyday Life”

<https://www.pewresearch.org/internet/2017/10/04/automation-in-everyday-life/>



Inspired by “I Didn’t Expect That” from Oakland Unified School District

Can They Say That?



Have you ever heard a headline of an article or news story and wondered, “Can they really say that?” Do you then imagine every single counter example you can think of? And then you kind of decide, “Sure I guess that could be possible.” But is it fair to share the headline in the way the article does?!

In this activity you will work with your group to decide if the headlines are fair statements to make about the dataset being used. Justify your position using evidence from the data visuals you create in CODAP.

Group Product:

Create a poster sharing how fair you think the headline is. Complete posters include:

- Headlines
- Evidence from visual (data visual(s) from CODAP)
- Explain how the survey sample impacts the fairness of a headline

Choose a headline:

“Public and private college grads rank about equally in life satisfaction”

Dataset:

<https://bit.ly/38KjkFM>

“Declining Majority of Online Adults Say the Internet Has Been Good for Society”

Dataset:

<https://bit.ly/2O9D4Or>

“Automation in Everyday Life”

Dataset:

<https://bit.ly/38HqoHQ>



Inspired by “I Didn’t Expect That” from Oakland Unified School District

Questionnaire for “Public and private college grads rank about equally in life satisfaction”

PEW RESEARCH CENTER
OCTOBER 2013 HIGHER EDUCATION, GENDER & WORK
FINAL QUESTIONNAIRE

Final N=2,002 adults 18+ including 982 adults ages 18-34
Interviews in English & Spanish
50 states (include Alaska and Hawaii) and the District of Columbia
Field Period: October 7-27, 2013

MAIN INTERVIEW:

SEX [ENTER RESPONDENT'S SEX:]

- 1 Male
- 2 Female

ASK ALL:

Q.1 Generally, how would you say things are these days in your life – would you say that you are very happy, pretty happy, or not too happy?

- 1 Very happy
- 2 Pretty happy
- 3 Not too happy
- 9 Don't know/Refused (VOL.)

ASK ALL:

Q.2 Next, please tell me whether you are satisfied or dissatisfied, on the whole, with the following aspects of your life: (First/Next) [READ AND RANDOMIZE] [IF NECESSARY: Are you satisfied or dissatisfied?]

REQUIRED PROBE: Would you say you are VERY (dis)satisfied or SOMEWHAT (dis)satisfied

- a. Your family life
- b. Your personal financial situation
- c. Your current job

RESPONSE CATEGORIES:

- 1 Very satisfied
- 2 Somewhat satisfied
- 3 Somewhat dissatisfied
- 4 Very dissatisfied
- 5 Does not apply (VOL.)
- 9 Don't know/Refused (VOL.)

ASK ALL:

On a different subject...

Q.4 Do you think society generally treats men and women equally, or does it favor women over men, or men over women?

- 1 Men and women equally
- 2 Women over men
- 3 Men over women
- 9 Don't know/Refused (VOL.)

ASK ALL:

Now I have some questions about your background.

AGE First, what is your age?

- _____ years
- 97 97 or older
- 99 Don't know/Refused (VOL.)

ASK ALL:

EDUC What is the highest level of school you have completed or the highest degree you have received? [DO NOT READ] [INTERVIEWER NOTE: Enter code 3-HS grad if R completed training that did NOT count toward a degree]

- 1 Less than high school (Grades 1-8 or no formal schooling)
- 2 High school incomplete (Grades 9-11 or Grade 12 with NO diploma)
- 3 High school graduate (Grade 12 with diploma or GED certificate)
- 4 Some college, no degree (includes some community college)
- 5 Two year associate degree from a college or university
- 6 Four year college or university degree/Bachelor's degree (e.g., BS, BA, AB)
- 7 Some postgraduate or professional schooling, no postgraduate degree (e.g. some graduate school)
- 8 Postgraduate or professional degree, including master's, doctorate, medical or law degree (e.g., MA, MS, PhD, MD, JD, graduate school)
- 9 Don't know/Refused (VOL.)

[MAKE FULL NOTE AVAILABLE FOR INTERVIEWERS: Enter code 3-HS graduate" if R completed vocational, business, technical, or training courses after high school that did NOT count toward an associate degree from a college, community college or university (e.g., training for a certificate or an apprenticeship)]

ASK IF RESPONDENT GRADUATED FROM COLLEGE OR IS CURRENTLY ENROLLED IN COLLEGE (EDUC=5,6,7,8 OR SCHL=3):

Q.8 (IF GRADUATED FROM COLLEGE AND NOT CURRENTLY ENROLLED (EDUC=5,6,7,8 AND SCHL NE 3): Thinking about when you were still in college; IF CURRENTLY ENROLLED IN COLLEGE (SCHL=3): Thinking about your college experience), Please tell me if any of the following describes your situation for a significant part of the time that you (IF EDUC=5,6,7,8 AND SCHL NE 3: were; IF SCHL=3: have been) enrolled in classes, or not. First, (READ AND RANDOMIZE).

[IF NEEDED: Would you say this describes your situation for a significant part of the time that you (IF EDUC=5,6,7,8 AND SCHL NE 3: were; IF SCHL=3: have been) enrolled in classes, or not.]

- a. You (EDUC=5,6,7,8 AND SCHL NE 3: attended; SCHL=3: attend) classes part-time
- b. You (EDUC=5,6,7,8 AND SCHL NE 3: worked; SCHL=3: work) at least 35 hours a week
- c. You (EDUC=5,6,7,8 AND SCHL NE 3: were; SCHL=3: are) financially independent from your parents
- d. You (EDUC=5,6,7,8 AND SCHL NE 3: were; SCHL=3: are) supporting a spouse or child

RESPONSE CATEGORIES:

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

ASK IF GRADUATED FROM COLLEGE AND NOT CURRENTLY ENROLLED IN COLLEGE (EDUC=5,6,7,8 AND SCHL NE 3):

Q.9 Thinking about what you and your family paid for your (IF EDUC=7,8, INSERT: undergraduate) college education, would you say your education has paid off for you, or not?

- 1 Yes, has paid off
- 2 No, has not paid off
- 3 Not yet, but it will in the future (VOL.)
- 4 Too early to say (VOL.)
- 9 Don't know/Refused (VOL.)

ASK IF GRADUATED FROM COLLEGE OR ENROLLED IN COLLEGE OR GRADUATE SCHOOL (EDUC=5-8 OR SCHL= 3,4):

Q.12 (IF SCHL=3,4: Have you taken; OTHERWISE: Did you take) out any loans to help finance your education, or not?

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

ASK IF GRADUATED FROM COLLEGE AND NOT CURRENTLY ENROLLED IN COLLEGE (EDUC=5,6,7,8 AND SCHL NE 3):

Q.15 Thinking about the (IF EDUC=7,8, INSERT: undergraduate) college you graduated from, was it a private college or university or was it a public college or university?

- 1 Private college/university
- 2 Public college/university
- 9 Don't know/Refused (VOL.)

ASK IF CURRENTLY IN COLLEGE (SCHL=3):

Q.16 Thinking about the college you attend, is it a private college or university or is it a public college or university?

- 1 Private college/university
- 2 Public college/university
- 9 Don't know/Refused (VOL.)

ASK ALL:

Q.20 How useful was your [IF EDUC=1-4: education; IF EDUC= 5,6: college education; IF EDUC=7,8: graduate school education] in preparing you for a job or career? Would you say very useful, somewhat useful, not too useful, or not useful at all?

- 1 Very useful
- 2 Somewhat useful
- 3 Not too useful
- 4 Not at all useful
- 5 Can't say, still in graduate school/college (VOL.)
- 9 Don't know/Refused (VOL.)

ASK IF ANY GRAD SCHOOL (EDUC=7,8):

Q.21 And how useful was your undergraduate college education in preparing you for a job or career? Would you say very useful, somewhat useful, not too useful, or not useful at all?

- 1 Very useful
- 2 Somewhat useful
- 3 Not too useful
- 4 Not at all useful
- 5 Can't say, still in graduate school (VOL.)
- 9 Don't know/Refused (VOL.)

ASK IF GRADUATED FROM COLLEGE (EDUC 5,6,7,8):

Q.22 Still thinking back to when you were (IF EDUC=5,6: a college student; IF EDUC=7,8: an undergraduate college student), do you think any of the following things would have better prepared you to get the kind of job you wanted, or not? First/Next, [INSERT ITEM; RANDOMIZE] [REPEAT IF NECESSARY: Do you think this would have better prepared you to get the kind of job you wanted, or not?

- a. Choosing a different major
- b. Gaining more work experience
- c. Starting to look for work sooner
- d. Studying harder

RESPONSE CATEGORIES:

- 1 Yes
- 2 No
- 3 Maybe (VOL.)
- 9 Don't know/Refused (VOL.)

ASK ALL:

On another subject...

ASK ALL:

E3 [IF SCHL=1-4: Some students also do some type of work for pay.] Are you now employed full-time, part-time or not employed? [INTERVIEWER: IF RESPONDENT VOLUNTEERS THAT THEY WORK IN THE HOME, I.E. CARING FOR THEIR KIDS OR BEING A HOMEMAKER, ASK: Are you now employed FOR PAY full-time, part-time, or not employed for pay.]

- 1 Full-time
- 2 Part-time
- 3 Not employed
- 4 Disabled (VOL.)
- 5 Retired (VOL.)
- 9 Don't know/Refused (VOL.)

IF, YES NEGATIVE IMPACT (D.2=1), ASK:

D.3 Did it have a big impact or a small impact?

- 1 Big impact
- 2 Small impact
- 9 Don't know/Refused (VOL.)

IF D.1=1, ASK:

D.4 Thinking more specifically, have any of the following things happened to you or not? First, have you [READ AND RANDOMIZE], or not? Have you ...

- a. Been denied a promotion because of your gender
- b. Earned less than a (IF SEX=1: woman; IF SEX=2: man) who was doing the same job
- c. Been turned down for a job because of your gender

RESPONSE CATEGORIES:

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

ASK ALL:

E6 Are you currently looking for (IF E3= 3-9: work; IF E3=1,2: a different job), or not?

- 1 Yes, looking for work
- 2 No, not looking for work
- 9 Don't know/Refused (VOL.)

IF RESPONDENT HAS WORKED (E.3=1,2 OR E.3a=1), ASK:

E7 Have you ever asked for a pay raise or promotion in any job you've held, or haven't you done this?

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

ASK IF EMPLOYED (E3=1,2):

Q.35 Still thinking about your current job, would you say you have more qualifications than the job requires, the right amount of qualifications, or only some of the qualifications the job requires?

- 1 More
- 2 Right amount
- 3 Only some
- 9 Don't know/Refused (VOL.)

ASK ALL:

On another subject...

MARITAL Are you currently married, living with a partner, divorced, separated, widowed, or have you never been married? (IF R SAYS "SINGLE," PROBE TO DETERMINE WHICH CATEGORY IS APPROPRIATE)

- 1 Married
- 2 Living with a partner
- 3 Divorced
- 4 Separated
- 5 Widowed
- 6 Never been married
- 9 Don't know/Refused (VOL.)

ASK IF LIVING WITH PARTNER (MARITAL=2):

LWP Have you ever been married?

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

NO QUESTION 42

Thank you. Now on a different subject...

ASK ALL:

KIDS1 Do you have any children under age 18? IF RESPONDENT VOLUNTEERS THAT THEY HAVE STEPCHILDREN, ASK: Do you consider yourself (IF MORE THAN ONE: their/IF ONE: his or her) parent or guardian, or not?

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

ASK ALL:

KIDS2 Do you have any ADULT children age 18 or older, including any who live on their own? IF RESPONDENT VOLUNTEERS THAT THEY HAVE STEPCHILDREN, ASK: Do you consider yourself (IF MORE THAN ONE: their/IF ONE: his or her) parent or guardian, or not?

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

ASK IF EMPLOYED OR HAVE EVER WORKED (E3=1,2 OR E3a=1):

Q.56 Please tell me whether you have ever done any of the following in order to care for a child or other family member. First, have you [READ AND RANDOMIZE] in order to care for a child or other family member, or not? Next, have you [INSERT ITEM; READ AS NECESSARY: in order to care for a child or other family member, or not?]

NOTE: IF YES FOR ANY ITEM, ASK Q.57 AND Q.58, THEN MOVE TO NEXT ITEM

- a. Reduced your work hours
- b. Taken a significant amount of time off from work
- c. Quit your job
- d. Turned down a promotion

RESPONSE CATEGORIES:

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

DEMOGRAPHICS

ASK ALL:

Finally, just a few questions for statistical purposes only.

HISP4 Are you of Hispanic, Latino, or Spanish origin, such as Mexican, Puerto Rican or Cuban?

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

ASK ALL:

RACE Which of the following describes your race? You can select as many as apply. White, Black or African American, Asian or Asian American or some other race. [RECORD UP TO FOUR IN ORDER MENTIONED BUT DO NOT PROBE FOR ADDITIONAL] [IF R VOLS MIXED BIRACIAL, PROBE ONCE: What race or races is that?]

- 1 White (e.g., Caucasian, European, Irish, Italian, Arab, Middle Eastern)
- 2 Black or African-American (e.g., Negro, Kenyan, Nigerian, Haitian)
- 3 Asian or Asian-American (e.g., Asian Indian, Chinese, Filipino, Vietnamese or other Asian origin groups)
- 4 Some other race (SPECIFY____ IF NEEDED: What race or races is that?)
- 5 Native American/American Indian/Alaska Native (VOL.)
- 6 Pacific Islander/Native Hawaiian (VOL.)
- 7 Hispanic/Latino (VOL.) (e.g., Mexican, Puerto Rican, Cuban)
- 8 Don't know (VOL.)
- 9 Refused (e.g., non-race answers like American, Human, purple) (VOL.)

ASK ALL:

OWNRENT Do you own or rent your home [IF AGE <35: or do you live in a dorm or live with your parents]?

- 1 Own
- 2 Rent
- 3 Live in a dorm
- 4 Live with parents
- 5 Other arrangement (VOL.)
- 9 Don't know/Refused (VOL.)

ASK ALL:

RELIG What is your present religion, if any? Are you Protestant, Roman Catholic, Mormon, Orthodox such as Greek or Russian Orthodox, Jewish, Muslim, Buddhist, Hindu, atheist, agnostic, something else, or nothing in particular?

ASK ALL:

INCOME Last year, that is in 2012, what was your total family income from all sources, before taxes? Just stop me when I get to the right category. [READ]

- 1 Less than \$10,000
- 2 10 to under \$20,000
- 3 20 to under \$30,000
- 4 30 to under \$40,000
- 5 40 to under \$50,000
- 6 50 to under \$75,000
- 7 75 to under \$100,000
- 8 100 to under \$150,000
- 9 \$150,000 or more
- 99 [VOL. DO NOT READ] Don't know/Refused

ASK ALL:

PARTY In politics TODAY, do you consider yourself a Republican, Democrat, or Independent?

- 1 Republican
- 2 Democrat
- 3 Independent
- 4 No preference (VOL.)
- 5 Other party (VOL.)
- 9 Don't know/Refused (VOL.)

ASK ALL:

IDEO In general, would you describe your political views as... [READ]

- 1 Very conservative
- 2 Conservative
- 3 Moderate
- 4 Liberal [OR]
- 5 Very liberal
- 9 [VOL. DO NOT READ] Don't know/Refused

ASK IF NON-HISPANIC (HISP4 NE 1 AND RACE NE7):

USBORN1A 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.)

ASK ALL:

HH1 How many people, including yourself, live in your household?

INTERVIEWER NOTE: HOUSEHOLD MEMBERS INCLUDE PEOPLE WHO THINK OF THIS HH AS THEIR PRIMARY PLACE OF RESIDENCE, INCLUDING THOSE WHO ARE TEMPORARILY AWAY ON BUSINESS, VACATION, IN A HOSPITAL, OR AWAY AT SCHOOL. THIS INCLUDES INFANTS, CHILDREN AND ADULTS.

ENTER NUMBER (RANGE 1-50)

99 Don't know/Refused (VOL.)

ASK IF MORE THAN ONE PERSON IN HH (HH1=2-50):

HH2 How many of these, including yourself, are adults 18 years of age or older?

ENTER NUMBER (RANGE 0-50)

99 Don't know/Refused (VOL.)

ASK ALL LANDLINE SAMPLE:

L1. Now thinking about your telephone use... Do you have a working cell phone?

1 Yes, have cell phone

2 No, do not

9 Don't know/Refused (VOL.)

ASK IF NO CELL PHONE AND MULTI-PERSON HOUSEHOLD (L1=2,9 AND HH1>1):

L1a. Does anyone in your household have a working cell phone?

1 Yes, someone in household has cell phone

2 No

9 Don't know/Refused (VOL.)

ASK ALL CELL PHONE SAMPLE:

C1. Now thinking about your telephone use... Is there at least one telephone INSIDE your home that is currently working and is not a cell phone?

1 Yes home telephone

2 No, home telephone

9 Don't know/Refused (VOL.)

ASK IF DUAL AND SINGLE-PERSON HOUSEHOLD ((L1=1 OR C1=1 AND HH1=1):

L2. Of all the telephone calls that you receive, do you get [READ AND RANDOMIZE OPTIONS 1 AND 3—KEEP 2 ALWAYS IN THE MIDDLE]?

1 All or almost all calls on a cell phone

2 Some on a cell phone and some on a regular home phone

3 All or almost all calls on a regular home phone

9 [VOL. DO NOT READ] Don't know/Refused

Questionnaire for “Declining Majority of Online Adults Say the Internet Has Been Good for Society”

Pew Research / Abt Associates -- Internet Core Trends Update
December 14 draft

Total n=2,000 U.S. adults age 18+
n=400 landline RDD
n=1,600 cell phone RDD
Field Dates: January 2 – January 10, 2018 (tentative)

START TIMING MODULE 2

ASK ALL:

EMINUSE. Do you use the internet or email, at least occasionally? {PIAL Trend, most recently November 2016 – Info Wary}

- 1 Yes
- 2 No
- 8 (VOL.) Don't know
- 9 (VOL.) Refused

ASK ALL:

INTMOB. Do you access the internet on a cell phone, tablet or other mobile handheld device, at least occasionally? {PIAL Trend, most recently November 2016 – Info Wary}

- 1 Yes
- 2 No
- 8 (VOL.) Don't know
- 9 (VOL.) Refused

ASK ALL INTERNET USERS (EMINUSE=1 OR INTMOB=1):

INTFREQ. About how often do you use the internet? [READ] {PIAL Trend, most recently May 2016 – Cybersecurity}

- 1 Almost constantly
- 2 Several times a day
- 3 About once a day
- 4 Several times a week, OR
- 5 Less often?
- 8 (VOL.) Don't know
- 9 (VOL.) Refused

ASK ALL INTERNET USERS (EMINUSE=1 OR INTMOB=1):

HOME4NW. Do you currently subscribe to internet service at HOME? {Heavily modified PIAL Trend, most recently July 2015 Tracking}

- 1 Yes
- 2 No
- 8 (VOL.) Don't know
- 9 (VOL.) Refused

ASK IF HOME INTERNET SUBSCRIBER (HOME4NW=1):

BBHOME1. Do you subscribe to dial-up internet service at home... OR do you subscribe to a higher-speed broadband service such as DSL, cable, or fiber optic service? {Heavily modified PIAL Trend, most recently July 2015 Tracking}

- 1 Dial-up
- 2 Higher-speed
- 3 (VOL.) Both Slow-speed/Dial-up and Higher-speed/Broadband
- 4 (VOL.) Access internet only using cell phone or tablet
- 5 (VOL.) No home internet access
- 8 (VOL.) Don't know
- 9 (VOL.) Refused

ASK IF LANDLINE SAMPLE:

DEVICE1a. Next, do you have a cell phone, or not? {PIAL Trend, most recently November 2016 – Info Wary}

- 1 Yes
- 2 No
- 8 (VOL.) Don't know
- 9 (VOL.) Refused

ASK IF HAVE CELL PHONE (CELL PHONE SAMPLE OR DEVICE1a=1):

SMART2. Is your cell phone a smartphone, or not? {Modified PIAL Trend, most recently November 2016 – Info Wary}

- 1 Yes, smartphone
- 2 No, not a smartphone
- 8 (VOL.) Don't know
- 9 (VOL.) Refused

ASK ALL:

SNSINT2. Do you ever use social media sites like Facebook, Twitter or Instagram? {Modified PIAL Trend, most recently November 2016 – Info Wary}

- 1 Yes
- 2 No
- 8 (VOL.) Don't know
- 9 (VOL.) Refused

ASK ALL:

DEVICE1. Please tell me if you happen to have each of the following items, or not. Do you have [INSERT ITEMS; RANDOMIZE]? {Modified PIAL Trend, most recently November 2016 – Info Wary}

- b. A tablet computer
- c. A desktop or laptop computer
- d. A game console

CATEGORIES

- 1 Yes
- 2 No
- 8 (VOL.) Don't know
- 9 (VOL.) Refused

END TIMING MODULE 2

START TIMING MODULE 3

ASK IF USE INTERNET (EMINUSE=1 OR INTMOB=1) OR OWN CELL PHONE (CELL PHONE SAMPLE OR DEVICE1a=1):

WEB1. Please tell me if you ever use any of the following social media sites online or on your cell phone. Do you ever use... [INSERT ITEMS; RANDOMIZE]? {Modified PIAL Trend, most recently April 2016 - Libraries}

- a. Twitter
- b. Instagram
- c. Facebook
- d. Snapchat
- e. YouTube
- f. WhatsApp
- g. Pinterest
- h. LinkedIn

CATEGORIES

- 1 Yes, do this
- 2 No, do not do this
- 8 (VOL.) Don't know
- 9 (VOL.) Refused

END TIMING MODULE 3

START TIMING MODULE 4

ASK ALL:

PIAL5. How difficult would it be, if at all, to give up the following things in your life? If you do not use or have the item, just tell me. How hard would it be for you to give up... [INSERT ITEM; RANDOMIZE]? {PIAL Trend, most recently January 2-5, 2014 Omnibus}

[READ FOR FIRST ITEM: THEN AS NECESSARY: Would it be very hard, somewhat hard, not too hard, or not hard at all?]

- a. Your television

ASK b IF HAVE CELL PHONE (CELL PHONE SAMPLE OR DEVICE1a=1):

- b. Your cell phone or smartphone

ASK c IF ALL INTERNET USER (EMINUSE=1 OR INTMOB=1):

- c. The internet

ASK d IF SOCIAL MEDIA USER (SNSINT2=1):

- d. Social media

CATEGORIES

- 1 Very hard
- 2 Somewhat hard
- 3 Not too hard
- 4 Not hard at all
- 5 (VOL.) Impossible
- 6 (VOL.) Do not use / Do not have
- 8 (VOL.) Don't know
- 9 (VOL.) Refused

ASK ALL:

PIAL11. Overall, when you add up all the advantages and disadvantages of the internet, would you say the internet has mostly been [ROTATE: (a GOOD thing) or (a BAD thing)] for society? {January 2-5, 2014 Omnibus}

- 1 Good thing
- 2 Bad thing
- 3 (VOL.) Some of both
- 8 (VOL.) Don't know
- 9 (VOL.) Refused

ASK IF INTERNET HAS HAD GOOD OR BAD IMPACT ON SOCIETY (PIAL11=1,2):

PIAL11a. What is the main reason you think the internet has been a [IF PIAL11=1 "good"; IF PIAL11=2 "bad"] thing for society? [DO NOT PROBE FOR ADDITIONAL ANSWERS]
[OPEN END]

ASK ALL INTERNET USERS (EMINUSE=1 OR INTMOB=1):

PIAL12. How about you, personally? Overall, when you add up all the advantages and disadvantages of the internet, would you say the internet has mostly been [ROTATE IN SAME ORDER AS PIAL11: (a GOOD thing) or (a BAD thing)] for you? {January 2-5, 2014 Omnibus}

- 1 Good thing
- 2 Bad thing
- 3 (VOL.) Some of both
- 8 (VOL.) Don't know
- 9 (VOL.) Refused

ASK ALL:

BOOKS1. During the past 12 months, about how many BOOKS did you read either all or part of the way through? Please include any print, electronic, or audiobooks you may have read or listened to. {PIAL Trend, most recently April 2016 - Libraries}

- [RECORD EXACT NUMBER 1-96]
- 0 None
 - 97 97 or more
 - 98 (VOL.) Don't know
 - 99 (VOL.) Refused

ASK IF READ ANY BOOKS IN PAST 12 MONTHS (BOOKS1=1-97, 98):

BOOKS2. Thinking about all of the books you have read in the past 12 months, were any of those... [INSERT ITEMS IN ORDER]? Were any of those ... [INSERT NEXT ITEM]? {Modified PIAL Trend, most recently April 2016 - Libraries}

- a. Printed books
- b. Audiobooks
- c. E-books

CATEGORIES

- 1 Yes
- 2 No
- 8 (VOL.) Don't know
- 9 (VOL.) Refused

END TIMING MODULE 4

START TIMING MODULE 5

Demographics

[READ TO ALL:] A few last questions for statistical purposes only...

ASK ALL:

SEX. RECORD RESPONDENT SEX [DO NOT ASK]

- 1 Male
- 2 Female

ASK ALL:

AGE. What is your age?
years [RECORD EXACT AGE 18-96]

- 97 97 or older
- 98 Don't know
- 99 Refused

ASK ALL:

MARITAL. Are you currently married, living with a partner, divorced, separated, widowed, or have you never been married? [IF R SAYS "SINGLE" PROBE TO DETERMINE APPROPRIATE CATEGORY]

- 1 Married
- 2 Living with a partner
- 3 Divorced
- 4 Separated
- 5 Widowed
- 6 Never been married
- 8 (VOL.) Don't know
- 9 (VOL.) Refused

ASK ALL:

EDUC2. What is the highest level of school you have completed or the highest degree you have received? [DO NOT READ] [INTERVIEWER NOTE: Enter code 3- HS grad if R completed training that did NOT count toward a degree]

- 1 Less than high school (Grades 1-8 or no formal schooling)
- 2 High school incomplete (Grades 9-11 or Grade 12 with NO diploma)
- 3 High school graduate (Grade 12 with diploma or GED certificate)
- 4 Some college, no degree (includes some community college)
- 5 Two-year associate degree from a college or university
- 6 Four-year college or university degree/Bachelor's degree (e.g., BS, BA, AB)
- 7 Some postgraduate or professional schooling, no postgraduate degree (e.g. some graduate school)
- 8 Postgraduate or professional degree, including master's, doctorate, medical or law degree (e.g., MA, MS, PhD, MD, JD)
- 98 Don't know
- 99 Refused

[MAKE FULL NOTE AVAILABLE FOR INTERVIEWERS: Enter code 3-HS graduate if R completed vocational, business, technical, or training courses after high school that did NOT count toward an associate degree from a college, community college or university (e.g., training for a certificate or an apprenticeship)]

ASK ALL:

EMPLNW. Are you now employed full-time, part-time, retired, or are you not employed for pay?

- 1 Employed full-time
- 2 Employed part-time
- 3 Retired
- 4 Not employed for pay
- 5 (VOL.) Have own business/self-employed
- 6 (VOL.) Disabled
- 7 (VOL.) Student
- 8 (VOL.) Other
- 98 (VOL.) Don't know
- 99 (VOL.) Refused

ASK ALL:

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

- 1 Yes
- 2 No
- 8 (VOL.) Don't know
- 9 (VOL.) Refused

ASK ALL:

RACE. Which of the following describes your race? You can select as many as apply. White, Black or African American, Asian or Asian American or some other race. [RECORD UP TO FOUR IN ORDER

MENTIONED BUT DO NOT PROBE FOR ADDITIONAL] [IF R VOLS MIXED BIRACIAL, PROBE ONCE:

What race or races is that?]

- 1 White (e.g., Caucasian, European, Irish, Italian, Arab, Middle Eastern)
- 2 Black or African-American (e.g., Negro, Kenyan, Nigerian, Haitian)
- 3 Asian or Asian-American (e.g., Asian Indian, Chinese, Filipino, Vietnamese or other Asian origin groups)
- 4 Some other race (SPECIFY) [IF NEEDED: What race or races is that?]
- 5 (VOL.) Native American/American Indian/Alaska Native
- 6 (VOL.) Pacific Islander/Native Hawaiian
- 7 (VOL.) Hispanic/Latino (e.g., Mexican, Puerto Rican, Cuban)
- 8 (VOL.) Don't know
- 9 (VOL.) Refused (e.g., non-race answers like American, Human, purple)

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
- 8 (VOL.) Don't know
- 9 (VOL.) Refused

ASK ALL:

INC. Last year -- that is in 2017 -- what was your total family income from all sources, before taxes? Just stop me when I get to the right category... [READ]

- 1 Less than \$10,000
- 2 10 to under \$20,000
- 3 20 to under \$30,000

- 4 30 to under \$40,000
- 5 40 to under \$50,000
- 6 50 to under \$75,000
- 7 75 to under \$100,000
- 8 100 to under \$150,000, OR
- 9 \$150,000 or more?
- 98 (VOL.) Don't know
- 99 (VOL.) Refused

ASK ALL

PARTY. In politics TODAY, do you consider yourself a Republican, Democrat, or independent?

- 1 Republican
- 2 Democrat
- 3 Independent
- 4 (VOL.) No preference
- 5 (VOL.) Other party
- 8 (VOL.) Don't know
- 9 (VOL.) Refused

ASK IF INDEP/NO PREF/OTHER/DK/REF (PARTY=3,4,5,8,9):

PARTYLN. As of today, do you lean more to the Republican Party or more to the Democratic Party?

- 1 Republican
- 2 Democrat
- 8 (VOL.) Don't know
- 9 (VOL.) Refused

END TIMING MODULE 5

START TIMING MODULE 6

ASK ALL:

HH1. How many people, including yourself, live in your household? INTERVIEWER NOTE: HOUSEHOLD MEMBERS INCLUDE PEOPLE WHO THINK OF THIS HOUSEHOLD AS THEIR PRIMARY PLACE OF RESIDENCE, INCLUDING THOSE WHO ARE TEMPORARILY AWAY ON BUSINESS, VACATION, IN A HOSPITAL, OR AWAY AT SCHOOL. THIS INCLUDES INFANTS, CHILDREN AND ADULTS.

- _____ Enter number 1-7
- 8 8 or more
 - 9 Don't know/Refused

ASK IF MORE THAN ONE PERSON IN HH (HH1>1):

HH3. How many, including yourself, are adults, age 18 and older?

- _____ Enter number 1-7
- 8 8 or more
 - 9 Don't know/Refused

END TIMING MODULE 6

END OF INTERVIEW

Questionnaire for "Automation in Everyday Life"

2017 PEW RESEARCH CENTER'S AMERICAN TRENDS PANEL

WAVE 27 MAY

MAY 1-15, 2015[1]

ASK ALL:

CAREREL How likely is it that, at some point in your life, you will be responsible for caring for an aging parent or family member?

- 1 Very likely
- 2 Somewhat likely
- 3 Not too likely
- 4 Not at all likely
- 5 I am already doing this

RANDOMIZE ORDER OF KNOW1 AND KNOW2

ASK ALL:

KNOW1 Based on what you know, in the last 30 years has the total number of manufacturing jobs in the United States... [RANDOMIZE OPTIONS; OPTION 3 ALWAYS LAST]

- 1 Increased
- 2 Decreased
- 3 Stayed about the same

ASK ALL:

KNOW2 Based on what you know, in the last 30 years has the value of the goods and products manufactured in the United States... [RANDOMIZE OPTIONS IN SAME ORDER AS KNOW1; OPTION 3 ALWAYS LAST]

- 1 Increased
- 2 Decreased
- 3 Stayed about the same

ASK ALL:

PREDICT Do you think each of the following things will or will not happen in the next 20 years? [RANDOMIZE ITEMS]

a. Doctors will rely on computer programs to diagnose most diseases and determine treatments

- 1 Will definitely happen
- 2 Will probably happen
- 3 Will probably NOT happen
- 4 Will definitely NOT happen

b. Most stores and retail businesses will be fully automated and involve little or no human interaction between customers and employees

- 1 Will definitely happen
- 2 Will probably happen
- 3 Will probably NOT happen
- 4 Will definitely NOT happen

c. Most deliveries in cities will be made by robots or drones instead of humans

- 1 Will definitely happen
- 2 Will probably happen
- 3 Will probably NOT happen
- 4 Will definitely NOT happen

d. When people want to buy most common products, they will create them at home using a 3-D printer

- 1 Will definitely happen
- 2 Will probably happen
- 3 Will probably NOT happen
- 4 Will definitely NOT happen

ASK ALL:

CARS1 How much have you seen or heard about the effort to develop driverless vehicles – that is, cars and trucks that can operate on their own without a human driver?

- 1 A lot
- 2 A little
- 3 Nothing at all

ASK IF HAVE HEARD A LOT OR LITTLE ABOUT DRIVERLESS VEHICLES (CARS1=1-2):

CARS2 Has what you've seen or heard about driverless vehicles been mostly positive, mostly negative, or a mix of both?

- 1 Mostly positive
- 2 Mostly negative
- 3 A mix of both

RANDOMIZE ORDER OF CARS3a AND CARS3b

ASK ALL:

CARS3a How ENTHUSIASTIC are you, if at all, about the development of driverless vehicles?

- 1 Very enthusiastic
- 2 Somewhat enthusiastic
- 3 Not too enthusiastic
- 4 Not at all enthusiastic

ASK ALL:

CARS3b How WORRIED are you, if at all, about the development of driverless vehicles?

- 1 Very worried
- 2 Somewhat worried
- 3 Not too worried
- 4 Not at all worried

ASK ALL:

CARS4 How long, if ever, do you think it will take for MOST of the vehicles on the road to be driverless, rather than driven by humans?

- 1 Less than 10 years
- 2 10 to less than 50 years
- 3 50 to less than 100 years
- 4 100 or more years
- 5 It will never happen

ASK ALL:

CARS5 Would you, personally, want to ride in a driverless vehicle if you had the opportunity?

- 1 Yes
- 2 No

ASK IF ANSWERED CARS5 (CARS5=1-2):

CARS6 What is the main reason you [IF CARS5=1 “would”; IF CARS5=2 “would not”] want to ride in a driverless vehicle?

[TEXT BOX]

RANDOMIZE ORDER OF CARS7a AND CARS7b

ASK ALL:

CARS7a How safe would you feel sharing the road with a driverless passenger vehicle?

- 1 Very safe
- 2 Somewhat safe
- 3 Not too safe
- 4 Not safe at all

CARS7b How safe would you feel sharing the road with a driverless freight truck?

- 1 Very safe
- 2 Somewhat safe
- 3 Not too safe
- 4 Not safe at all

ASK ALL:

CARS8 If driverless vehicles become widespread, do you think that the number of people killed or injured in traffic accidents will [increase, decrease/decrease, increase], or stay about the same? [RANDOMIZE OPTIONS; OPTION 3 ALWAYS LAST]

- 1 Increase
- 2 Decrease
- 3 Stay about the same

ASK ALL:

CARS9 Would you strongly favor, favor, oppose, or strongly oppose the following rules and regulations for driverless vehicles? [RANDOMIZE]

- a. Requiring them to travel in dedicated lanes
- b. Restricting them from traveling near certain areas, such as schools
- c. Requiring them to have a person in the driver's seat who could take control in an emergency situation

RESPONSE CATEGORIES

- 1 Strongly favor
- 2 Favor
- 3 Oppose
- 4 Strongly oppose

ASK ALL:

CARS10 If driverless vehicles become widespread, which of the following do you think are likely to happen as a result? [RANDOMIZE ITEMS]

- a. Elderly and disabled people will be able to live more independently
- b. Many people who drive for a living would lose their jobs
- c. Owning a car would become much less important to people
- d. Most people would never learn how to drive a car on their own
- e. There would be much less traffic in major cities

RESPONSE CATEGORIES

- 1 Yes, likely
- 2 No, not likely

On a different subject...

ASK ALL:

WORK2 Would you say that society generally places TOO MUCH importance on working and having a job, NOT ENOUGH importance on working and having a job, or is it just about right?

- 1 Too much importance
- 2 Not enough importance
- 3 Just about right

ASK IF EMPLOYED (INDUSTRY=1-10):

WORK3 Have the following technologies had a [positive impact, a negative impact / negative impact, positive impact], or no impact either way on you and your job or career? [RANDOMIZE ORDER; RANDOMIZE RESPONSE CATEGORIES, ITEM 3 ALWAYS LAST]

- a. Industrial robots
- b. Word processing or spreadsheet software
- c. Email or social media
- d. Software that manages your daily work schedule or routine
- e. Smartphones
- f. Technologies that help customers serve themselves on their own

RESPONSE CATEGORIES

- 1 Positive impact
- 2 Negative impact
- 3 No impact either way

ASK IF EMPLOYED (INDUSTRY=1-10):

Thinking about the different technologies you have used or that have impacted you over the course of your career...

RANDOMIZE ORDER OF WORK4a, WORK4b AND WORK4c

WORK4a Thinking about how DEMANDING your work is, has technology generally made your work...

- 1 More demanding
- 2 Less demanding
- 3 No impact either way

WORK4b Thinking about how INTERESTING your work is, has technology generally made your work...

- 1 More interesting
- 2 Less interesting
- 3 No impact either way

WORK4c Thinking about opportunities for advancement in your career, do you feel that technology has...

- 1 Increased your opportunities
- 2 Decreased your opportunities
- 3 No impact either way

Please consider the following scenario...

New developments in robotics and computing are changing the nature of many jobs. Today, these technologies are mostly being used in certain settings to perform routine tasks that are repeated throughout the day. But in the future, robots and computers with advanced capabilities may be able to do most of the jobs that are currently done by humans today.

ASK ALL:

ROBJOB1 How much have you heard, read, or thought about this idea before today?

- 1 A lot
- 2 A little
- 3 Nothing at all

ASK ALL:

ROBJOB2 Based on what you know, does this concept seem...

- 1 Extremely realistic
- 2 Somewhat realistic
- 3 Not very realistic
- 4 Not at all realistic

ASK ALL, RANDOMIZE ORDER OF ROBJOB3a AND ROBJOB3b:

ROBJOB3 Thinking about the possibility that computers and robots could do most of the work currently done by humans...

a. How ENTHUSIASTIC are you, if at all, about this possibility for society as a whole?

- 1 Very enthusiastic
- 2 Somewhat enthusiastic
- 3 Not too enthusiastic
- 4 Not at all enthusiastic

b. How WORRIED are you, if at all, about this possibility for society as a whole?

- 1 Very worried
- 2 Somewhat worried
- 3 Not too worried
- 4 Not at all worried

ASK ALL:

ROBJOB4 If robots and computers were able to perform most of the jobs currently being done by humans, do you think the following are likely or not likely to happen as a result?

[RANDOMIZE]

- a. Inequality between rich and poor would be much worse than it is today
- b. People would have a hard time finding things to do with their lives
- c. People would be able to focus less on work and more on the things that really matter to them in life
- d. The economy as a whole would be much more efficient
- e. The economy would create many new, better-paying jobs for humans
- f. Humans would find their jobs more meaningful and fulfilling since machines would mostly be doing things that humans find unappealing

RESPONSE CATEGORIES

- 1 Yes, likely
- 2 No, not likely

ASK ALL:

ROBJOB5 In the event that robots and computers are able to do most of the jobs that are done by humans today, would you favor or oppose the following? [RANDOMIZE]

- a. If the federal government provided all Americans with a guaranteed income that would allow them to meet their basic needs
- b. If robots and computers were mostly limited to doing jobs that are dangerous or unhealthy for humans to do
- c. If people had the option of paying extra to interact with a human, rather than a robot or computer, when buying a product or service
- d. If the federal government created a national service program that paid people to perform tasks even if a robot or computer could do those tasks faster or cheaper

RESPONSE CATEGORIES

- 1 Strongly favor
- 2 Favor
- 3 Oppose
- 4 Strongly oppose

RANDOMIZE ORDER OF ROBJOB6 AND ROBJOB7

ASK ALL:

ROBJOB6 Which of the following statements best describes how you feel, even if neither is exactly right? [RANDOMIZE OPTIONS]

- 1 The government would have an obligation to take care of people whose jobs are displaced by robots and computers, even if that meant raising taxes substantially
- 2 Individuals would have an obligation to take care of their own financial well-being, even if robots and computers have already taken many of the jobs they might be qualified for

ASK ALL:

ROBJOB7 Which of the following statements best describes how you feel, even if neither is exactly right? [RANDOMIZE OPTIONS]

- 1 If businesses can receive better work at lower cost by replacing humans with robots and computers, they are justified in doing so
- 2 There should be limits on how many jobs businesses can replace with robots and computers, even if they can do those jobs better and more cheaply than humans can

ASK ALL:

ROBJOB8 Do you think it is very likely, somewhat likely, not very likely, or not at all likely that the following jobs will be mostly replaced by robots or computers in your lifetime? [RANDOMIZE]

- a. Software engineer
- b. Legal clerk
- c. Nurse
- d. Construction worker
- e. Fast food worker
- f. Teacher
- g. Insurance claims processor

RESPONSE CATEGORIES

- 1 Very likely
- 2 Somewhat likely
- 3 Not very likely
- 4 Not at all likely

ASK IF EMPLOYED (INDUSTRY=1-10):

ROBJOB9 How likely, if at all, do you think it is that YOUR OWN job or profession will be mostly done by robots or computers in your lifetime?

- 1 Very likely
- 2 Somewhat likely
- 3 Not very likely
- 4 Not at all likely

ASK ALL:

WORK5a Have you yourself ever lost a job because your employer replaced your position with a machine, robot or computer program?

- 1 Yes
- 2 No
- 3 I'm not sure

ASK ALL:

WORK6 Have you ever had your pay or hours reduced because your employer replaced some aspect of your job with a machine, robot or computer program?

- 1 Yes
- 2 No
- 3 I'm not sure

ASK ALL:

WORK7 Do you personally KNOW anyone who has lost a job, or had their pay or hours reduced, because their employer replaced their work with a machine, robot or computer program?

- 1 Yes
- 2 No

ASK IF FORM 2:

Next, please consider the following scenario...

Today, when companies are hiring they typically have someone read applicants' resumes and conduct personal interviews to choose the right person for the job. In the future, computer programs may be able to provide a systematic review of each applicant without the need for human involvement. These programs would give each applicant a score based on the content of their resume, application, or standardized tests for skills such as problem solving or personality type. Applicants would then be ranked and hired based on those scores.

HIRING1 How much have you heard, read, or thought about this idea before today?

- 1 A lot
- 2 A little
- 3 Nothing at all

HIRING2 Based on what you know, does this concept seem...

- 1 Extremely realistic
- 2 Somewhat realistic
- 3 Not very realistic
- 4 Not at all realistic

ASK IF FORM 2:

HIRING3 Thinking about the possibility that job candidates might be evaluated using this sort of computer program... [RANDOMIZE ORDER]

a. How ENTHUSIASTIC are you, if at all, about this possibility for society as a whole?

- 1 Very enthusiastic
- 2 Somewhat enthusiastic
- 3 Not too enthusiastic
- 4 Not at all enthusiastic

b. How WORRIED are you, if at all, about this possibility for society as a whole?

- 1 Very worried
- 2 Somewhat worried
- 3 Not too worried
- 4 Not at all worried

ASK IF FORM 2:

HIRING4 Would you, personally, want to apply for a job that used this type of computer program to make hiring decisions?

- 1 Yes
- 2 No

ASK IF HIRING4=1-2:

HIRING5 What is the main reason you [IF HIRING4=1 "would"; IF HIRING4=2 "would not"] want to apply for a job that uses this type of computer program to make hiring decisions?

[TEXT BOX]

ASK IF FORM 2:

HIRING6 Do you think these computer programs would do a better job, a worse job, or do about the same as humans when it comes to... [RANDOMIZE ITEMS]

- a. Hiring candidates who are well-qualified
- b. Hiring candidates who fit well with the company's culture
- c. Choosing candidates from a diverse range of backgrounds
- d. Providing opportunities for candidates with non-traditional experiences

RESPONSE CATEGORIES

- 1 Better job than humans
- 2 Worse job than humans
- 3 About the same

ASK IF FORM 2:

HIRING7 Would you feel better, worse, or would your opinion of this scenario not change in each of the following scenarios... [RANDOMIZE ITEMS]

a. If these computer programs included public data about each candidate – such as the material they post on social media – in making their evaluations

- 1 Better
- 2 Worse
- 3 No difference

b. If companies used these computer programs to conduct initial screenings of potential candidates, but then interviewed those candidates in the traditional way

- 1 Better
- 2 Worse
- 3 No difference

[1] Open-end responses are excluded from public datasets to protect the confidentiality of ATP panelists. Lines across page designate a page break.