

## A Appendix - Not intended for publication

### A.1 Phase 1 Recruitment Email:

Howdy "Student's Name",

Did you know that the average person spends about 50 minutes a day on Facebook? Over an individual's lifetime, this will amount to 5 or more years.

To date, the impact of this usage is unclear. Texas A&M's Department of Economics is seeking current TAMU students who are Facebook users to participate in a research study. You are receiving this email because you are on A&M's email list. Our team is examining the effects of Facebook on everyday life, and we are looking for students to help us out.

If you have an active Facebook account, you may be eligible to participate in this paid research study. In an unusual turn of events, we are asking **you** to tell us how much money you would need to be paid to stay off Facebook for a week. Please note that if selected for this study, staying off Facebook for one week will be a part of the protocol.

Participation in this study involves:

- Cash payouts based on an auction
- Coming to the Evans Library on main campus to complete two surveys
- The potential to be without Facebook for a week

If you are interested in participating in this study, please click the link below for more information.

[Take the survey](#)

If you have any questions or would like more information about this study, please contact the research team by email at [rpetrie@tamu.edu](mailto:rpetrie@tamu.edu).

Thank you,

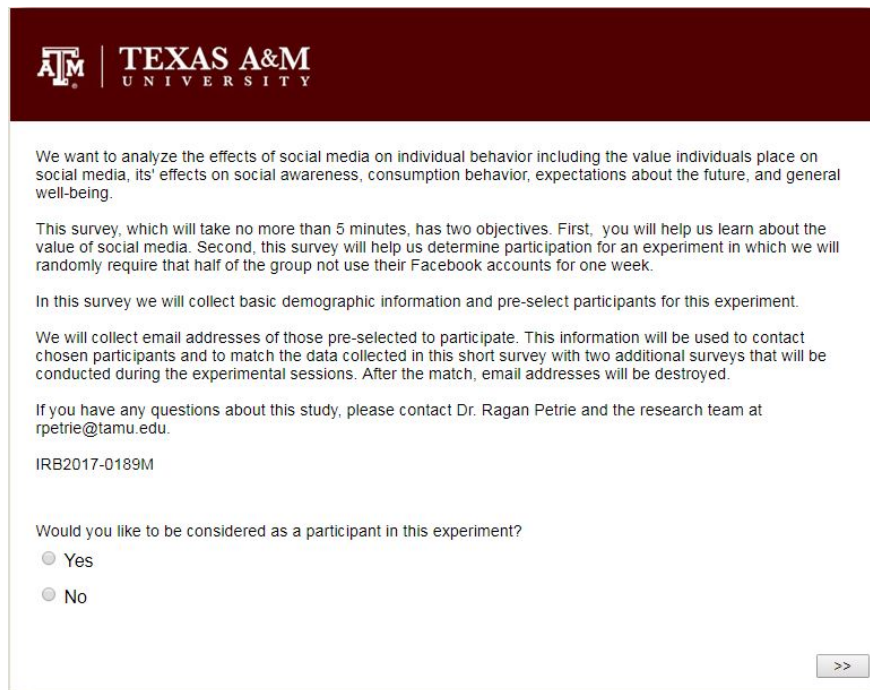
Prof. Ragan Petrie  
TAMU Department of Economics  
3035 Allen Building, College Station, TX 77845

Study Title: The Behavioral Effects of Social Media  
IRB2017-0189M

Follow the link to opt out of future emails:

[Click here to unsubscribe](#)

## A.2 Phase 1 Survey:



**ATM** | **TEXAS A&M**  
UNIVERSITY

We want to analyze the effects of social media on individual behavior including the value individuals place on social media, its' effects on social awareness, consumption behavior, expectations about the future, and general well-being.

This survey, which will take no more than 5 minutes, has two objectives. First, you will help us learn about the value of social media. Second, this survey will help us determine participation for an experiment in which we will randomly require that half of the group not use their Facebook accounts for one week.

In this survey we will collect basic demographic information and pre-select participants for this experiment.

We will collect email addresses of those pre-selected to participate. This information will be used to contact chosen participants and to match the data collected in this short survey with two additional surveys that will be conducted during the experimental sessions. After the match, email addresses will be destroyed.

If you have any questions about this study, please contact Dr. Ragan Petrie and the research team at [rpetrie@tamu.edu](mailto:rpetrie@tamu.edu).

IRB2017-0189M

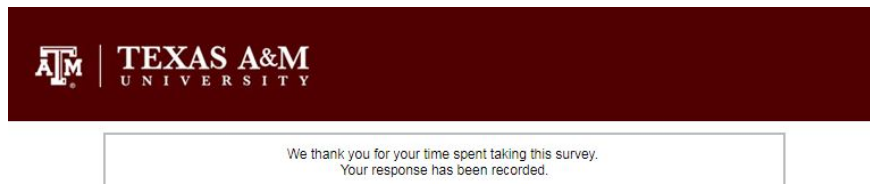
Would you like to be considered as a participant in this experiment?

Yes

No

>>

If no, the next screen shows



**ATM** | **TEXAS A&M**  
UNIVERSITY

We thank you for your time spent taking this survey.  
Your response has been recorded.

If yes, the next screen shows

Thank you for your interest in helping us learn more about the effects of social media. Before continuing, please tell us a little bit about yourself.

What is your gender?

- Male
- Female

What is your age in years?  
Please round up.

Which college are you currently enrolled in?

What is your major?

Did you live in the United States when you were 15 years old?

- Yes
- No

>>

What was the zip code of your address when you were 15 years old?

>>

What country did you live in when you were 15 years old?

>>

Do you have an active Facebook account?

- Yes
- No

>>

Let's play a game!

Please think carefully about your value of the time you spend on Facebook over a week. You will be asked to enter this value later.

Afterwards, we will present a counter-offer! This counter-offer will be randomly drawn from an interval of \$5 to a maximum that is our most reasonable estimate of Facebook's value over a week.

If our counter-offer is greater than or equal to your valuation **YOU WILL BE CONSIDERED TO PARTICIPATE IN THE EXPERIMENT**. We will randomly select the final participants from this group. **FINAL PARTICIPANTS** will be paid the value of our random counter-offer.

If our counter-offer is lower than your valuation we will not be able to compensate you fairly. **YOU WILL NOT BE CONSIDERED TO PARTICIPATE IN THE EXPERIMENT**.

The next screen provides examples.

>>

Please read the following examples of this game:

1) Mary values her weekly time on Facebook at \$20. She enters this value in the following screen and clicks next. Then she receives our random counter-offer of \$15. Since our counter-offer is lower than her valuation, she will not be considered to participate.

2) John values his weekly time on Facebook at \$8. He enters this value in the following screen and clicks next. Then he receives our random counter-offer of \$10. Since our counter-offer is higher than his valuation, he will be considered as a potential participant. If John is selected to participate he will be paid \$10, the value of our counter-offer, at the end of the experiment.

Click next to continue.

>>

What is the value of your weekly time on Facebook?  
(Please enter a dollar amount)

Click next to get your random counter-offer!



<sup>†</sup>The screen above represents the WTP setting. Half of the subjects received this wording while the other half were asked "How much money would you need to be given to stop using Facebook for a week?", which reflects the WTA setting.

Our counter offer is \$10.

Congratulations! You have been pre-selected to participate in this experiment.

On Thursday, April 20, we will send you an email if you are randomly selected as a final participant.

If selected, we will further explain the details of the experiment on Monday, April 24, at Evans Library. We will email you the exact time and room number. There will be a second session on Monday, May 1, at Evans Library. At most you will spend 1 hour between the two sessions. You will be paid \$10 - our counter-offer - at the end of the experiment.

Remember, we will randomly require that half of the final participants do not use their Facebook accounts by any means for one week.

Please enter your preferred email address below:

Thank you for your time!



For the case where the counter offer is less than the valuation:

Our counter offer is \$10.

Sorry! You are not pre-selected to participate. Thank you very much for completing this short game. We are sure that your answers will help us learn more about the effects of social media on our lives.

Thank you for your time!



### A.3 News Quiz

News Quiz in phase 2 (before treatment)

A1	Read the following list of events. Did these events happen in the <u>previous week</u> ?	Definitely happened	I do not know	Definitely did not happen
A11	Serena Williams, the best women's tennis player, is expecting her first child and will not play again until next year.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A12	Thousands of people gathered in the rain Saturday on the soggy grounds of the Washington Monument to turn Earth Day into an homage to science.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A13	Facebook killer, Steve Stephens, was arrested in Ohio.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A14	Vice President Mike Pence visited the demilitarized zone as the U.S. kept its options open on North Korea.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A15	Stanford University, said that it would permit the conservative author Ann Coulter to speak on campus in early May, just one day after it canceled her appearance.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A16	MSNBC analyst calls for ISIS to bomb Trump property.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A17	General Motors has become the latest multinational company to pull out of Venezuela after it says government authorities illegally seized its plant there.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

News Quiz in phase 3 (after treatment)

A1	Read the following list of events. Did these events happen in the <u>previous week</u> ?	Definitely happened	I do not know	Definitely did not happen
A11	Bulls bow out of playoffs with blowout loss to Celtics in Game 6.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A12	Federal agencies take actions to implement President Trump's order to strip fund from municipal governments that refuse to cooperate fully with immigration agents.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A13	Obama begins new phase of public life with Chicago visit.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A14	Tens of thousands of people protested the president's rollback of rules protecting the environment.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A15	President Trump has instructed his advisers to keep the corporate tax rate close to 30 percent.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A16	In France's most consequential election in recent history, voters on Sunday chose Emmanuel Macron and Marine Le Pen to go to a runoff to determine the next president.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A17	Trump wants to send astronauts to Mars during his presidency.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## A.4 Survey Questionnaire

Date: May 1, 2017 Time:  :  :  PM

UIN	Please enter your TAMU UIN:	<input type="text"/>	Please enter your TAMU Email:
N1	How much time did you spend reading or watching the news <u>per day last week</u> ?		
	<input type="checkbox"/> Less than 15 min <input type="checkbox"/> More than 15 minutes but less than 30 minutes <input type="checkbox"/> More than 30 minutes but less than 1 hours <input type="checkbox"/> More than 1 hour but less than 2 hours <input type="checkbox"/> More than 2 hours		
N2	Please indicate how frequently you used the following types of news media <u>last week</u> . Please answer on a scale of 1 to 7, where 7 is a type of media that you used frequently, and 1 is a type of media you used infrequently.		
		◀ Not at all	All of the time ▶
		1	2
		3	4
		5	6
		7	
N21	Cable TV	<input type="checkbox"/>	<input type="checkbox"/>
N22	Paper news	<input type="checkbox"/>	<input type="checkbox"/>
N23	Radio	<input type="checkbox"/>	<input type="checkbox"/>
N24	Online news	<input type="checkbox"/>	<input type="checkbox"/>
N25	Social media	<input type="checkbox"/>	<input type="checkbox"/>
N26	News feed	<input type="checkbox"/>	<input type="checkbox"/>
N27	Other 1: _____	<input type="checkbox"/>	<input type="checkbox"/>
N28	Other 2: _____	<input type="checkbox"/>	<input type="checkbox"/>
N3	Please indicate how frequently you used the following methods to obtain news <u>last week</u> . Please answer on a scale of 1 to 7, where 7 is a method you used frequently, and 1 is a method you used infrequently.		
		◀ Not at all	All of the time ▶
		1	2
		3	4
		5	6
		7	
N31	Watch	<input type="checkbox"/>	<input type="checkbox"/>
N32	Read	<input type="checkbox"/>	<input type="checkbox"/>
N33	Listen	<input type="checkbox"/>	<input type="checkbox"/>

N4	List the top 3 news outlets/sources you got your news from <u>last week</u> .		
	1st Choice: _____	2nd Choice: _____	3rd Choice: _____
N5	What type of news did you frequently read, watch or listen to <u>last week</u> ? Please answer on a scale of 1 to 7, where 7 is a type you used frequently, and 1 is a type you used infrequently.		
		◀ Not at all	All of the time ▶
		1	2
		3	4
		5	6
		7	
N51	Political	<input type="checkbox"/>	<input type="checkbox"/>
N52	Sports	<input type="checkbox"/>	<input type="checkbox"/>
N53	Business	<input type="checkbox"/>	<input type="checkbox"/>
N54	International	<input type="checkbox"/>	<input type="checkbox"/>
N55	Local news	<input type="checkbox"/>	<input type="checkbox"/>
N56	Culture	<input type="checkbox"/>	<input type="checkbox"/>
N57	Science	<input type="checkbox"/>	<input type="checkbox"/>
N58	Weather	<input type="checkbox"/>	<input type="checkbox"/>
N6	For the following sources, indicate how frequently you used each <u>last week</u> . Please answer on a scale of 1 to 7 where 7 is a source you used frequently, and 1 is a source you used infrequently.		
		◀ Not at all	All of the time ▶
		1	2
		3	4
		5	6
		7	
N61	Battalion	<input type="checkbox"/>	<input type="checkbox"/>
N62	KBTX	<input type="checkbox"/>	<input type="checkbox"/>
N63	MSC website	<input type="checkbox"/>	<input type="checkbox"/>
N64	Local radio	<input type="checkbox"/>	<input type="checkbox"/>
N65	Local newspaper	<input type="checkbox"/>	<input type="checkbox"/>
N66	National newspaper	<input type="checkbox"/>	<input type="checkbox"/>
N67	Online news	<input type="checkbox"/>	<input type="checkbox"/>
N68	Online social network	<input type="checkbox"/>	<input type="checkbox"/>
N69	Friends	<input type="checkbox"/>	<input type="checkbox"/>

M1	Last week, how much time did you spend <u>each day</u> doing the following activities?				
M11	Sitting in a library on campus	_____ Hours	M17	Attending class	_____ Hours
M12	Studying	_____ Hours	M18	Sleeping (average number of hours per night)	_____ Hours
M13	Working for pay	_____ Hours	M19	Attending a party or social event (fill in for time you spent in total last week)	_____ Hours
M14	Exercising	_____ Hours	M110	At what time do you typically go to bed?	<input type="text"/> : <input type="text"/> <input type="checkbox"/> AM / <input type="checkbox"/> PM
M15	Hanging out with friends	_____ Hours	M111	At what time do you typically wake up?	<input type="text"/> : <input type="text"/> <input type="checkbox"/> AM / <input type="checkbox"/> PM
M16	Reading news	_____ Hours			
M2	Last week, how much time did you spend <u>each day</u> on the following types of social media?				
M21	Facebook	_____ Hours	M27	Vimeo	_____ Hours
M22	Instagram	_____ Hours	M28	YouTube	_____ Hours
M23	Twitter	_____ Hours	M29	Other 1: _____	_____ Hours
M24	Tumblr	_____ Hours	M210	Other2 : _____	_____ Hours
M25	Snapchat	_____ Hours			
M3	How many friends do you have on Facebook? (Feel free to open your FB account to check)				
M4	How many followers do you have on Instagram?				
M5	How many followers do you have on Tumblr?				
M6	How many followers do you have on Twitter?				

F1	How often do you do the following on Facebook?							
		Never	Rarely	1-2 times per month	Once a week	2-4 times per week	Once a day	Several times per day
F11	Open up FB to check your news feed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
F12	Read news feed content	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
F13	Post pictures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
F14	Post comments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
F4	When you are on Facebook, how often do you feel the following?							
		Never	Rarely	Sometimes	Frequently	Often	All the time	
F41	Envy/jealousy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
F42	Happiness	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
F43	Misery	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
F44	Satisfaction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
F45	Connected with friends	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
F46	Up to date on my friends' activities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
F47	Lonely	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
F48	Amoyed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
F49	Inspired	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Please think about what you did last week as you answer the following questions.

C1		(1-Strongly agree, 2-Agree, 3-Neither agree nor disagree, 4-Disagree, 5-Strongly disagree)				
		1	2	3	4	5
C11	I ate out less than I normally do	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
C12	I did less impulse buying than usual	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
C13	I saved more money than I usually do	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
C14	I ate healthier than usual	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
C15	I exercised more than usual	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
C2		(1-Strongly agree, 2-Agree, 3-Neither agree nor disagree, 4-Disagree, 5-Strongly disagree)				
		1	2	3	4	5
C21	I wasted less time than I normally do	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
C22	I achieved more than I normally do	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
C23	I spent more time studying and doing school related work	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
C24	I was not late for classes, meetings or work	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
C25	I was able to meet deadlines without rushing at the last minute.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
C26	I was able to prevent distractions from achieving high priority tasks.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
C27	I discontinued any wasteful or unprofitable activities or routines.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
C28	I had time to relax and be with friends	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
C29	I procrastinated less than I normally do	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
C210	I partied a lot	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

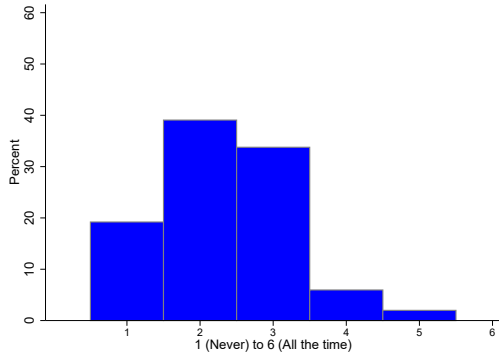
Please think about what you are going to do this coming week as you answer the following questions.

C3		(1-Strongly agree, 2-Agree, 3-Neither agree nor disagree, 4-Disagree, 5-Strongly disagree)				
		1	2	3	4	5
C33	I expect to spend less on eating out and hanging out with friends	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
C34	I expect to save more money	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
C35	I will cut down on my impulse buying	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
C36	I will spend more time studying	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
C37	I will eat more healthy food	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
C38	I will exercise more than I normally do	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

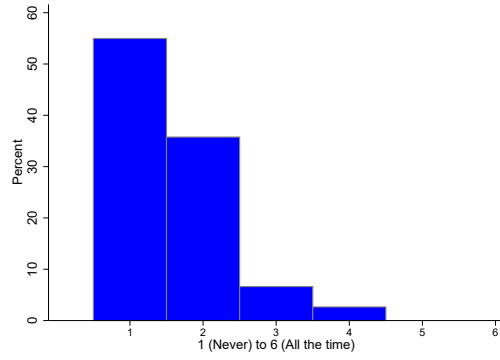


## A.5 Additional Results

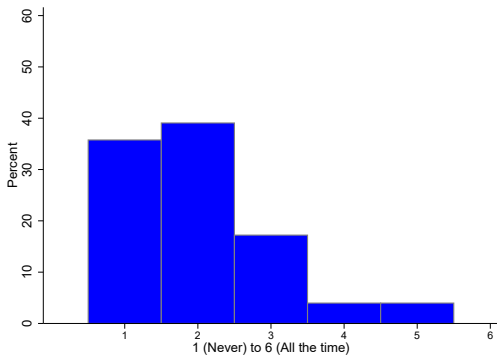
Figure A.5.1: Facebook Negative Emotions



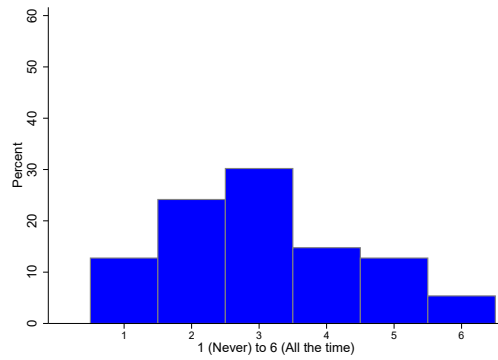
(a) Envy/Jealousy



(b) Misery



(c) Lonely



(d) Annoyed

Figure A.5.2: Change in Reported Depression and Change in the Value of Facebook between Phase 2 survey and Phase 3 survey

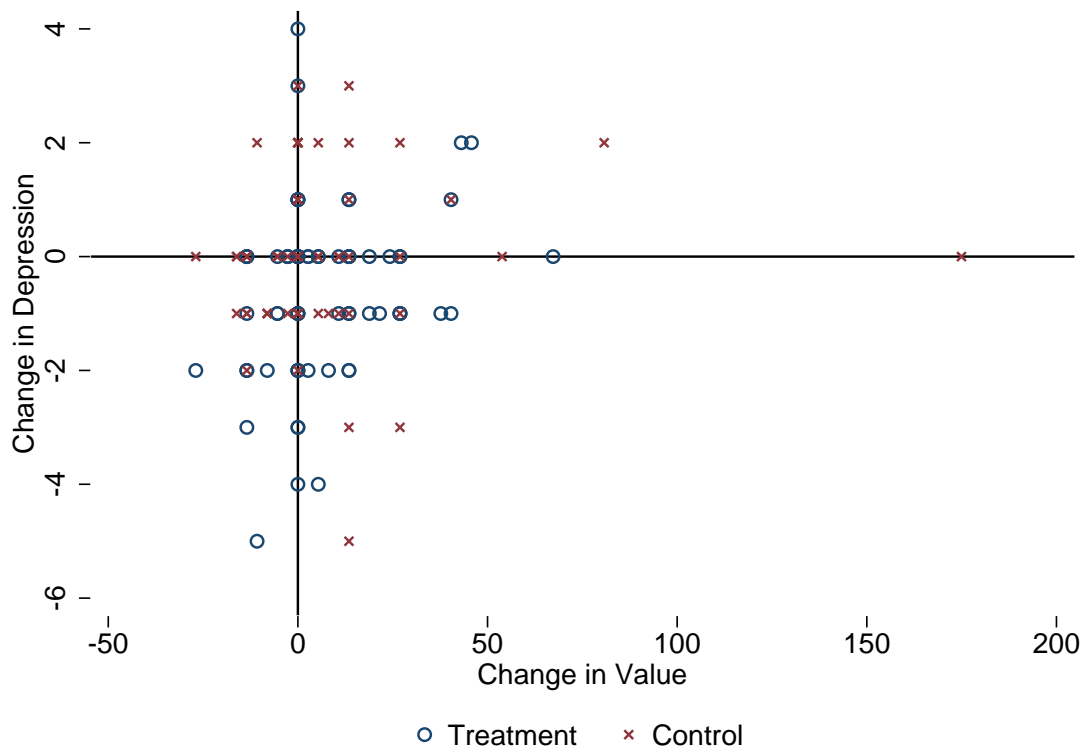


Table A.5.1: Descriptive Statistics by Survey Phases

	Ineligible	Eligible	P-value	Eligible (Show)	Eligible (No-Show)	P-value
Value of Facebook	85.35 (119.88)	27.11 (12.72)	0.000	28.97 (12.98)	26.33 (12.55)	0.025
Offer	15.04 (5.19)	10.16 (4.46)	0.000	16.90 (5.14)	14.26 (5.01)	0.000
Woman	0.60 (0.49)	0.59 (0.49)	0.720	0.65 (0.48)	0.57 (0.50)	0.089
Age	20.77 (1.65)	20.55 (1.68)	0.009	20.59 (1.99)	20.53 (1.53)	0.693
Income (\$)	67,204 (55,192)	71,761 (68,778)	0.109	69,509 (63,207)	72,286 (71,032)	0.512
N	1,207	562		167	395	

This table presents the means for eligible and ineligible participants from the Phase 1 survey and for the eligible participants that showed up to complete the Phase 2 survey and those that were eligible but did not show up for phase 2. The p-values represents the difference of means for each group. Standard deviations are in parentheses.

Table A.5.2: Facebook Restriction - Balance of Covariates

	Treatment	Control	P-value
Value of Facebook	28.42 (11.27)	29.43 (14.33)	0.618
Woman	0.57 (0.50)	0.711 (0.46)	0.060
Age	20.69 (2.41)	20.51 (1.56)	0.569
Income(\$)	67,900 (55,988)	75,986 (68,904)	0.482
N	77	90	

The first two columns present the means of different observables characteristics for the Facebook restriction treatment group and the no restriction control group. Columns 3 presents the p-values of the difference of means between these groups. Standard deviations are in parentheses.

Table A.5.3: Phase 2 Survey - Summary Statistics

	Mean	Median	Std. Dev.
<i>Daily Time Reading or Watching News (1-5)</i> <sup>1</sup>	2.15	2	1.19
<i>Frequency of Use (1-7)</i> <sup>2</sup>			
Cable TV	1.93	1	1.49
Paper News	1.31	1	0.67
Radio	2.46	2	1.66
Online News	4.55	5	1.73
Social Media	5.60	6	1.56
News Feed	4.14	4	1.99
<i>Political Nature of Preferred News (1-5)</i> <sup>3</sup>	2.81	3	0.97
<i>Daily Social Media Usage (hours)</i> <sup>4</sup>			
Facebook	1.87	1	2.21
Instagram	1.28	1	1.60
Twitter	0.86	0	2.06
Tumblr	0.35	0	1.57
Snapchat	1.95	1	3.02
Vimeo	0.03	0	0.16
YouTube	1.85	1	2.65
<i>Social Media Friends and Followers (number)</i> <sup>5</sup>			
Facebook	640.99	538	442.04
Instagram	452.36	350	511.77
Tumblr	87.32	0	571.74
Twitter	182.12	0	333.80
<i>Subjective Well-Being (0-10)</i> <sup>6</sup>			
Satisfied with life	7.15	8	1.92
Things in life are worthwhile	7.37	8	1.88
How happy are you	7.17	8	2.12
How often do you worry	6.79	7	2.33
How often do you feel depressed	3.40	3	2.63

*Notes:* <sup>1</sup>Responses to the question “How much time did you spend reading or watching the news per day last week?” Response options: 1) Less than 15 min, 2) More than 15 minutes but less than 30 minutes, 3) More than 30 minutes but less than 1 hour, 4) More than 1 hour but less than 2 hours, and 5) More than 2 hours. N=167 obs. <sup>2</sup>Responses to the question “Please indicate how frequently you used the following types of news media last week.” Scale was from 1 to 7 where 1 indicates “Not at all” and 7 indicates “All of the time.” N=167 obs. <sup>3</sup>List top news outlets/sources from the previous week. We categorized each 1st choice as either being 1) Left, 2) Left-Center, 3) Center, 4) Right-Center, or 5) Right based on www.allsides.com. N=57 obs. <sup>4</sup>Time spent each day on various social media platforms. <sup>5</sup>How many friends and followers on various social media platforms. <sup>6</sup>Subjective well-being questions, with 0 indicating “never and” 10 “very/always.”

Table A.5.4: Correlations between the Value of Facebook and User's Characteristics

	Value of Facebook	High Time	High Engage	Depressed	High Negative	High Friends in Facebook	High Friends in other Social Media
Value of Facebook	1.00						
High Time	0.23***	1.00					
High Engage	0.20**	0.32***	1.00				
Depressed	-0.11	0.23***	0.05	1.00			
High Negative	-0.06	0.17**	0.09	0.32***	1.00		
High Friends on Facebook	0.06	0.10	0.21***	-0.02	0.01	1.00	
High Friends on other Social Media	0.17**	0.18**	0.38***	-0.10	0.01	0.42***	1.00

\*  $p < 0.1$  \*\*  $p < 0.05$  \*\*\*  $p < 0.01$ 

This table presents the Pearson correlation coefficients between the stated value of Facebook and characteristics of its users based on Phase 2 survey responses. High Time refers to individuals who on average use Facebook for more than one hour per day; High Engage refers to individuals who post pictures and comments on Facebook at least once or twice per month; Depressed refers to individuals who reported feeling depressed above the reported median value; High Negative refers to individuals who are above the median of the factor index that combines measures of feeling envy, misery, lonely and annoyed while on Facebook; High Friends in Facebook refers to individuals who have more than 564 friends in Facebook (median number of friends); and High Friends in other Social Media refers to individuals who have more than 529 friends in Facebook (median number of friends in other social media).

Table A.5.5: Distribution Shift Tests

	Equality	FSD C-T	SSD C-T	FSD T-C	SSD T-C
Facebook Use	0.00***	0.00***	0.00***	0.93	1.00
News Media Index -Traditional Media	0.41	0.22	0.10*	0.60	0.57
News Media Index -Social Media	0.00***	0.00***	0.00***	0.94	1.00
News Consumption Index	0.07*	0.04**	0.00***	0.95	0.75
Probability Right Answer - Mainstream News	0.37	0.77	0.80	0.18	0.23
Probability Wrong Answer - Mainstream News	0.61	0.70	0.55	0.33	0.34
Probability Not Sure Answer - Mainstream News	0.55	0.29	0.21	0.58	0.51
Probability Right Answer - Skewed News	0.01***	0.01***	0.01***	0.54	0.99
Probability Wrong Answer - Skewed News	0.46	0.50	0.75	0.23	0.23
Probability Not Sure Answer - Skewed News	0.37	0.51	0.81	0.19	0.19
Overall Satisfaction	0.25	0.11	0.20	0.58	0.76
Life is Worthwhile	0.28	0.14	0.09*	0.62	0.79
Feel Happy	0.17	0.09*	0.11	0.93	0.82
Worry	0.21	0.90	0.79	0.10*	0.11
Feel Depressed	0.32	0.16	0.22	0.91	0.98
Consumption Index	0.03**	0.97	0.89	0.01**	0.00***
Productive Time Index	0.10	0.97	0.90	0.05*	0.02**
Efficient Time Index	0.10*	0.98	0.90	0.05*	0.01***
Expected Consumption Index	0.07*	0.79	0.63	0.03**	0.01***
Value of Facebook	0.47	0.70	0.99	0.25	0.14

\*  $p < 0.1$  \*\*  $p < 0.05$  \*\*\*  $p < 0.01$ 

This table presents the bootstrap p-values of Kolmogorov-Smirnov statistics that test for equality of distributions, first order stochastic dominance and second order stochastic dominance between treatment and control after a one week Facebook restriction. In column 1 the null hypothesis is that the distributions are the same, in column 2 the null hypothesis is that the treatment group first order stochastically dominates the control group, in column 3 the null hypothesis is that the treatment group second order stochastically dominates the control group, in column 4 the null hypothesis is that the control group first order stochastically dominates the treatment group, and in column 5 the null hypothesis is that the control group first order stochastically dominates the treatment group. First order stochastic dominance and second order stochastic dominance are defined as in Abadie (2002).

Table A.5.6: Adjustments for Multiple Comparisons

	Unadjusted P-value	FDR Adjusted P-value
Facebook Use	0.000***	0.000***
News Media Index - Traditional Media	0.785	1.000
News Media Index - Social Media	0.000***	0.000***
News Consumption Index	0.004***	0.027**
Probability Right Answer - Mainstream News	0.826	1.000
Probability Wrong Answer - Mainstream News	0.926	1.000
Probability Not Sure Answer - Mainstream News	0.885	1.000
Probability Right Answer - Skewed News	0.006***	0.030**
Probability Wrong Answer - Skewed News	0.458	0.723
Probability Not Sure Answer - Skewed News	0.022**	0.052*
Overall Satisfaction	0.993	1.000
Life is Worthwhile	0.845	1.000
Feel Happy	0.893	1.000
Worry	0.139	0.228
Depressed	0.014**	0.048**
Consumption Index	0.020**	0.057*
Productive Time Index	0.302	0.499
Efficient Time Index	0.346	0.530
Expected Consumption Index	0.504	0.743
Value of Facebook	0.068*	0.125

\*  $p < 0.1$  \*\*  $p < 0.05$  \*\*\*  $p < 0.01$

This table shows how the significance of the main results changes when we control for multiple comparisons. The table present the unadjusted p-values of our main estimates (Column 1) and their corresponding values adjusted for multiple comparisons (Column 2). We apply a false discovery rate control as described in Anderson (2008).