

Field Notes from 6 Years of Diary Data Collection

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What we do



CESR conducts in-depth research and analysis to improve understanding of human behavior in economic and social contexts.

Scientists and staff collaborate in a stimulating, multi-disciplinary environment to conduct research that informs effective policies for improving societal welfare.

CESR currently has about 70 staff, covering economics, statistics, psychology, demography, software development, survey methodology, genetics.



Tools



- CESR has tools for the collection of data using traditional interviewing techniques: Face-to-face, phone and self interviews.
- We can also collect data in the background. E.g. Physical activity, GPS, heart-rate, and send that to a central server.
- Send short (follow-up) questions to cellphone or smart watch asking for details about observed activity or location; voice recordings to analyze mood and psychological well-being
- Data dissemination: we maintain a platform for survey data, including a digital library of survey questions, and a search engine for finding questions and variables across surveys.
- Data visualization, allowing for queries from the database of survey responses to produce custom made graphs and tables



Understanding America Study



- A panel of about 6,500 respondents representative of the U.S. population;
 will grow to 10,000 by 2020
- The ability to experiment with different types of questions, feedback, and study methodologies
- High response rates, typically averaging 70-80 percent
- Study design and implementation support from experienced experts
 engaged in data collection using multiple tools—from smartphones and
 smartwatches to tablets, laptops, PCs, and health monitoring devices
- Links to contextual variables (GIS) and in process of Administrative data

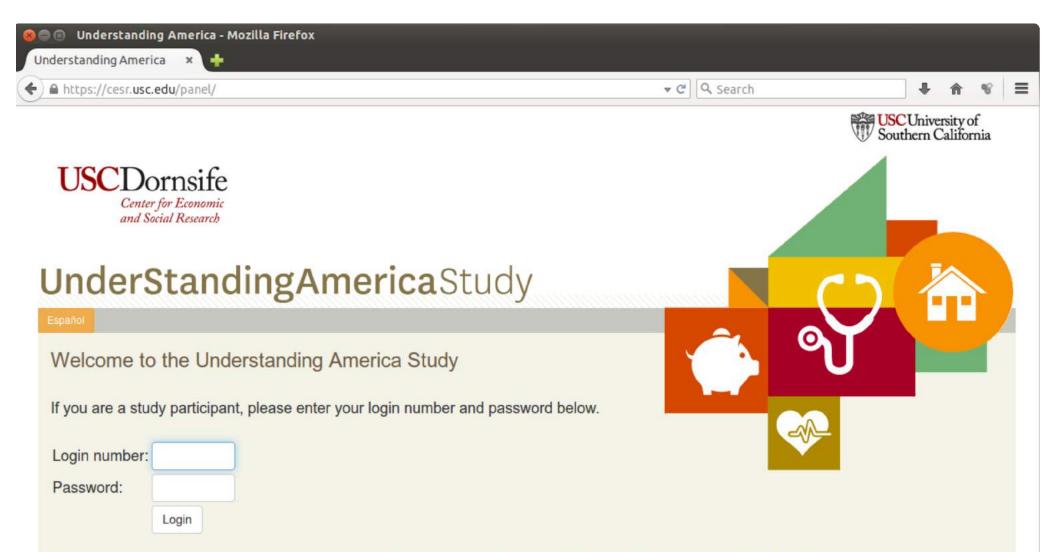


UAS recruitment



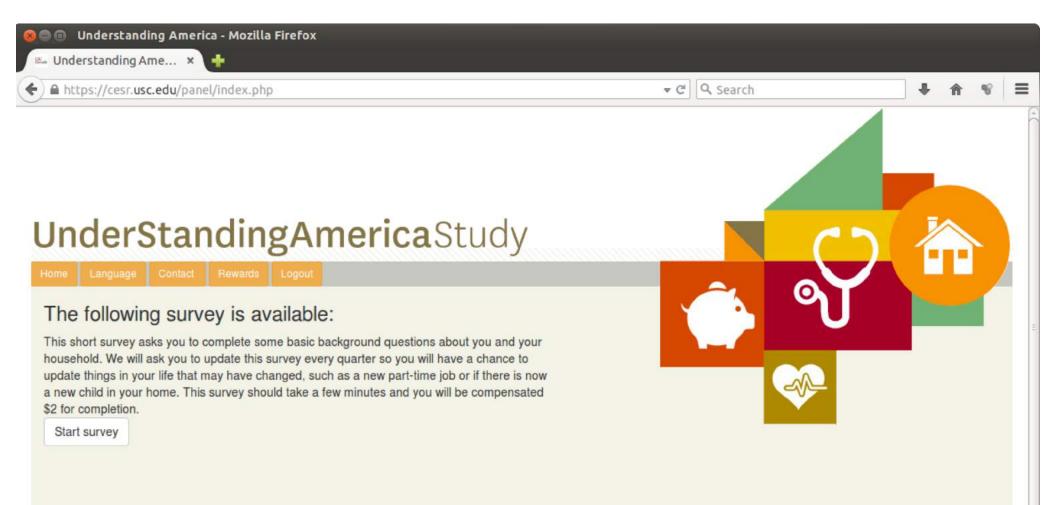
- Addresses drawn from US Postal addresses
- Sequential Importance Sampling to improve population representativeness of the UAS.
- Interviews in English and Spanish
- Subsample of Native Americans
- California Panel

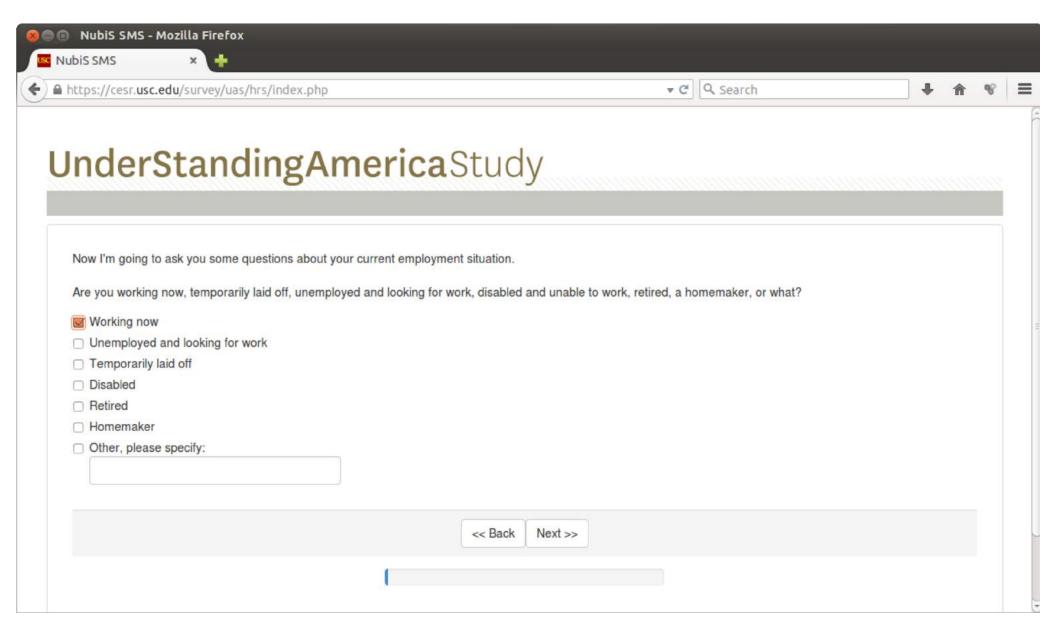




If you do not remember your login number or password, contact the helpdesk at 1-855-872-8673 (9am - 5pm PST) or by email: uashelp@usc.edu.









Federal Reserve Bank of Boston: Diary of Consumer Payment Choice



A diary survey that measure payment behavior through the daily recording of U.S. consumers' spending

3 Surveys:

- 1) Consent
- 2) Survey of Consumer Payment Choice (SCPC)
- 3) Diary of Consumer Payment Choice (DCPC)



Diary of Consumer Payment Choice



- 3 days of payment recording plus pre-diary survey
- FAQs
- Pouch to store receipts
- Paper booklets to record purchases
- Online diary opens at 3pm Pacific each day
- Daily reminder emails
- Good incentives: \$2, \$20, \$10, \$20, \$20, \$20





Examples: Income, Deposits, Withdrawals, Cash

- 1. Cash back at retail store
- 2. Cash withdrawal from general purpose prepaid card using ATM
- 3. Direct deposit of salary or wages to primary checking account
- 4. Transfer from your savings account to secondary checking account

1: Cash back at retail store

At 7am, Linda shopped at her neighborhood grocery store. She paid \$60.92 for her groceries with a debit card and got \$40 cash back. (She records both the grocery purchase and "receiving or getting cash.")

Time			D14		Business, o	organization, or person you paid
	Amount Spent		Payment Method	Did you pay in person?	Device	Type
7 am	\$ 60.92	P 4	Y/N	D 7	T8	Kroger

Time	Cash Amount	Cash Location	Cash Source	Did you pay a fee?
7 am	\$ 40.00	C 2	SW 1	Y/N

2: Cash withdrawal

At 10 am, Ryan stopped at an out-of-network ATM and withdrew \$20.00 cash using his general-purpose prepaid card.

10 am \$20.00 C1 SW 6 Y/N	10 am \$ 20.00	C1	SW 6	Y/N
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3: Direct deposit or salary

It's payday, and Jennifer's salary was automatically deposited into her primary checking account (Checking Account #1).

Amount of income	How income was received
\$888.75	11

4: Transfer from savings to checking

Amount of deposit	Source of deposit	If cash deposit, location	Account deposited into
\$100.00	SD3	L	A1

Day 1: Daily Payments

Please go online to complete the survey, even if you did not make any payments on Day 1.

		Payments	for (date):	_/_/_
What payment methods did you carry or have available to make payments on Diary	P5 Prepaid/Gi P6 Bank accou payment P8 M	2 Check P3 Credi ft/EBT card nt number payment oney order P9 PayP o-account transfer	P7 Online ban al	bit card king bill phone payment
Day 1?	P12 Other			

Time			Did you		Business, organization, person you paid		
	Amount Spent	Payment Method	pay in person?	Device	Туре	Name	
am pm	\$	P	Y/N	D	Т		
am pm	\$	P	Y/N	D	Т		
am pm	\$	P	Y/N	D	Т		
am pm	\$	P	Y/N	D	Т		
am pm	NA.	P	Y/N	D	T		
am pm	\$	P	Y/N	D	T		
am pm	1.4	P	Y/N	D	T		
am pm	\$	P	Y/N	D	Т		
am pm	A.	P	Y/N	D	T		

Reminders

- · Record all payments, no matter how small or large
- Record all payments, including bills
- Record all deposits and withdrawals
- · Count your cash at the end of every day

9 — Diary of Consumer Payment Choice

Diary of Consumer Payment Choice —8

	TOTAL		Number of bills							
	\$ value	\$1s	\$2s	\$5s	\$10s	\$20s	\$50s	\$100s		
Before you start Day 1	\$									
End of Day 1	\$									
End of Day 2	\$									
End of Day 3	\$									

Date	Time	Amount Spent	Payment Method	Name of Merchant/other notes
		\$		
		\$		
		\$	-1-11-15-17	
		Ś		

Examples of payment methods: Cash; check; credit card; debit card; prepaid/gift/EBT card; bank account number payment; online banking bill payment; money order; mobile phone (app, text message, mobile browser).

Online diary



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Daily payments - Please enter the information for Monday, September 4.

- Report the exact amount of the payment. Include dollars and cents in the form xxx.xx.
- Do not include payments made ONLY for business purposes.
- Include all other payments made today, no matter how small the amount of the payment.
- · Complete the entire row for the first payment you want to enter for today, then click Next.
- Answer some additional questions about your payment, then answer "Yes" if you made any additional payments, and a new row will appear on this screen.
- When you have finished entering all payments for today, please answer "No" when we ask if you made any additional payments.

Time	Time Amount spent		Payment method		Did you pay in person?	Device	Who you paid		
12:10 AM © \$ 24.32		Credit card \$ Yes		Yes \$	Mobile phone \$	We'll ask about who you paid on the next screen.			
				<< Bao	k	Next >>			

Open answers: coders



Response rates 2015 – 2018 (UAS)



Survey Consent SCPC DCPS

	Sample	Response rate	Sample agreed	Sample	Response rate	Sample	Response rate
2015	2,357	66.69%	1,572	2,268	66.36%	1,313	87.13%
2016	4,771	74.32%	3,546	3,463	97.72%	3,329	85.13%
2017	4,758	68.71%	3,269	3,158	97.34%	3,154	89.85%
2018	4,716	70.36%	3,318	3,189	98.40%	3,188	90.37%



Progress



- 18% of our sample completed all 4 waves of the diary
- 97% of our sample agrees to participate
- Annual instrument refinement for data quality
 - Payee types
 - Payment options
- Hurricane surveys
- Follow up phone interviews
- Calls to outliers
- Soft credit pull
- In past checked paper diaries against online diaries or requested return





The Did You Forget? Screen

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	ypes of payments are easily forgotten. Did you make any of the following types of payments on Thursday, September 6 that you did not tell us about previously Check all that apply, or click the Next button if none
□ F	Paying tolls by E-ZPass, cash, or other payment method
□ F	PayPal or similar online payment service
	App downloads
	Music downloads
□ F	Public transportation
□ F	Paid with my phone (examples: Uber, Venmo, parking, etc.)
	Sambling losses
	cottery ticket
	/ending machine
	Giving or paying back money to a person
	<< Back Next >>

Center for Economic and Social Research



The Second Chance Screen

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You told us you made the following types of payments, but did not report them earlier: PayPal or similar online payment service. Please record those payments below.

- · Report the exact amount of the payment. Include dollars and cents in the form xxx.xx.
- · Do not include payments made ONLY for business purposes.
- · Include all other payments made today, no matter how small the amount of the payment.
- · Complete the entire row for the first payment you want to enter for today, then click Next.
- · Answer some additional questions about your payment, then answer "Yes" if you made any additional payments, and a new row will appear on this screen.
- · When you have finished entering all payments for today, please answer "No" when we ask if you made any additional payments.

Time		Amount spent	Payment method	Did you pay in person?	Device	Who you paid
10:49 AM		\$ 5.43	Cash	Yes	No device	Sit-down restaurants and bars
02:10 PM		\$ 16.32	Cash	Yes	No device	Hospital, doctor, dentist, nursing homes, etc.
03:20 PM		\$ 1554.32	Check	Yes	No device	Rent for apartments, homes, or other buildings, real estate companies, property managers, etc.
04:00 PM		\$ 123	Credit card	No	Computer (laptop or desktop)	Utilities not paid to the government: electricity, natural gas, water, sewer, trash, heating oil
12:00 AM		\$ 65.32	Credit card	No	Computer (laptop or desktop)	Charitable or religious donations
12:00 AM	0	\$	Please select \$	Please selec \$	Please select \$	We'll ask about who you paid on the next screen

<< Back Next >>





The Missing Cash Screen

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Are there any other cash activities on Thursday, September 6 that were not reported previously in today's online diary?

To help you remember, you

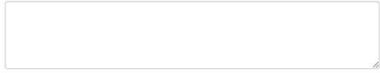
Number of cash transactions (includes all cash payments, deposits, and withdrawals)	3
Amount of cash you started with in your wallet, purse and/or pocket	\$0
Dollar amount of cash payments	\$21.75
Dollar amount of cash withdrawals	\$20
Dollar amount of cash deposits	\$0
Dollar amount loaded onto prepaid or gift cards	\$0

Based on what you told us about your payments and cash activity today, we calculated that you should have \$-1.75 in your wallet, purse, and/or pocket. But you told us you ended the day with \$59.

There is a difference of 60.75 dollars.

Please help us to understand why your reported cash activity does not match the total shown.

Perhaps you forgot to report some cash payments, withdrawals or deposits. If you are able, please explain in the activities and amounts in the box below.





Interview Comments



- Most noted they were repeat diary participants so they were good at this now
- Some suggested we offer them a chance to opt out of receiving the pouch
- Overall survey experience was positive
- Overall questions were easy to answer and no one was tempted to skip
- Were already conscientiously tracking their expenses or happy to do it for us
- Were impressed we had VenMo and other alternative payment options



Data availability



SURVEYS

Special embargo for 3 years.
2015 data is available now.

https://uasdata.usc.edu

Survey	Description
UAS 104	Boston Fed: Consent survey for SCPC/DCPC 2017
UAS 105	2017 Boston Fed: Survey of Consumer Payment Choice (SCPC)
UAS 142	Boston Fed: Consent survey for SCPC/DCPC 2018
UAS 143	2018 Boston Fed: Survey of Consumer Payment Choice (SCPC)
UAS 28	2015 Boston Fed: Survey of Consumer Payment Choice (SCPC)
UAS 31	2015 Boston Fed SCPC/DCPC consent survey
UAS 62	2016 Boston Fed: Survey of Consumer Payment Choice (SCPC)
UAS 64	2016 Boston Fed: SCPC/DCPC consent survey
UAS 9	2014 Boston Fed: Survey of Consumer Payment Choice (SCPC)



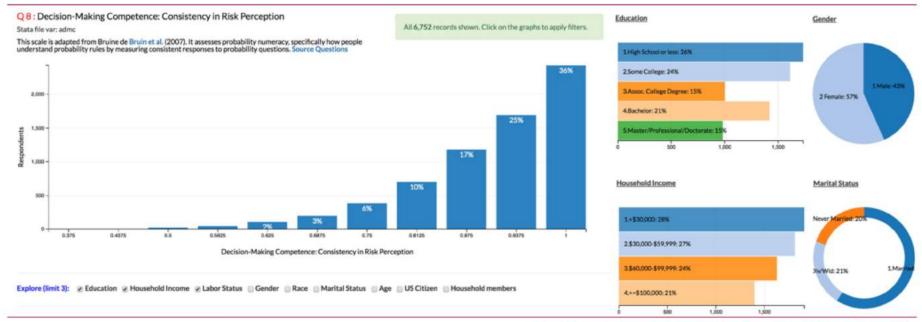




UNDERSTANDING AMERICA STUDY ABOUT METHODOLOGY SURVEYS SPECIAL DATASETS PUBLICATIONS CONTACT SEARCH LOGIN/REGISTER

WELCOME TO THE

UNDERSTANDING AMERICA STUDY



THE UAS VIS TOOL ALLOWS USERS TO INTERACTIVELY EXPLORE OUR SURVEY DATA.







THE UNDERSTANDING AMERICA STUDY (**UAS**) IS A PANEL AT THE UNIVERSITY OF SOUTHERN CALIFORNIA (USC) OF APPROXIMATELY 6,000 HOUSEHOLDS REPRESENTING THE ENTIRE UNITED STATES. THE STUDY IS AN 'INTERNET PANEL,' WHICH MEANS THAT RESPONDENTS ANSWER OUR SURVEYS ON A COMPUTER, TABLET, OR SMART PHONE, WHEREVER THEY ARE AND WHENEVER THEY WISH TO PARTICIPATE.

SURVEYS ARE DESIGNED BY RESEARCH TEAMS AROUND THE WORLD; PROGRAMMED AND TESTED BY OUR TEAM AT THE CENTER FOR ECONOMIC AND SOCIAL RESEARCH, TRANSLATED INTO SPANISH AND THEN FIELDED.

A MAJORITY OF THE UAS DATA IS PUBLICLY AVAILABLE. AN EXCELLENT START IS THE UAS COMPREHENSIVE FILE, WHICH MERGES THE DATA FROM A NUMBER CORE SURVEYS IN THE UAS THAT ARE REPEATED EVERY TWO YEARS.

FOR ANY OTHER INQUIRIES, PLEASE WRITE TO US!



Thank you! tgutsche@usc.edu basweerman@gmail.com

