

UnderStandingAmericaStudy

UAS 116: INVESTMENT ALLOCATIONS IN A SIMULATED FINANCIAL MARKET



Survey author(s): Federico Echenique, Taisuke Imai, Kota Saito

Fielded December 22, 2017 - March 19, 2018

Contents

1	Introduction	3
1.1	Topics	3
1.2	Experiments	3
1.3	Citation	3
2	Survey Response And Data	4
2.1	Sample selection and response rate	4
2.2	Timings	4
2.3	Weighting	5
3	Standard Variables	6
4	Background Demographics	11
5	Missing Data Conventions	15
6	Routing Syntax	16
7	Survey with Routing	17
	questions	17
	Closing	28

1 INTRODUCTION

This UAS panel survey, titled "UAS116:Investment allocations in a simulated financial market" asks respondents to make a series of investment allocation. The questions were asked in a program outside the UAS, so the format was different than other UAS surveys. This also causes the default reported timings to be much shorter than in actuality. More accurate timings are available upon request. This survey is no longer in the field. Respondents were paid \$10 to complete the survey.

1.1 Topics

This survey contains questions (among others) on the following topics: Consumer Behavior, Financial Literacy, Risk Preferences. A complete survey topic categorization for the UAS can be found [here](#).

1.2 Experiments

This survey includes experiment(s) of the following type(s): Auxiliary Randomization, Question Wording Experiments. Please refer to explanatory comments in the Routing section for detailed information. A complete survey experiment categorization for the UAS can be found [here](#).

1.3 Citation

Each publication, press release or other document that cites results from this survey must include an acknowledgment of UAS as the data source and a disclaimer such as, 'The project described in this paper relies on data from survey(s) administered by the Understanding America Study, which is maintained by the Center for Economic and Social Research (CESR) at the University of Southern California. The content of this paper is solely the responsibility of the authors and does not necessarily represent the official views of USC or UAS.' For any questions or more information about the UAS, contact Tania Gutsche, Project and Panel Manager, Center for Economic and Social Research, University of Southern California, at tgutsche@usc.edu.

2 SURVEY RESPONSE AND DATA

2.1 Sample selection and response rate

The sample selection for this survey was:

A custom selection of active English speaking respondents from the Nationally Representative sample.

As such, this survey was made available to 1140 UAS participants. Of those 1140 participants, 772 completed the survey and are counted as respondents. Of those who are not counted as respondents, 91 started the survey without completing and 277 did not start the survey. The overall response rate was 67.72%.

Note: We are unable to provide sample weights for a small number of UAS members (see the Sample weighting section below for details). If they completed the survey, these members are included in the data set with a weight of zero, but accounted for in the computation of total sample size and survey response rate.%.

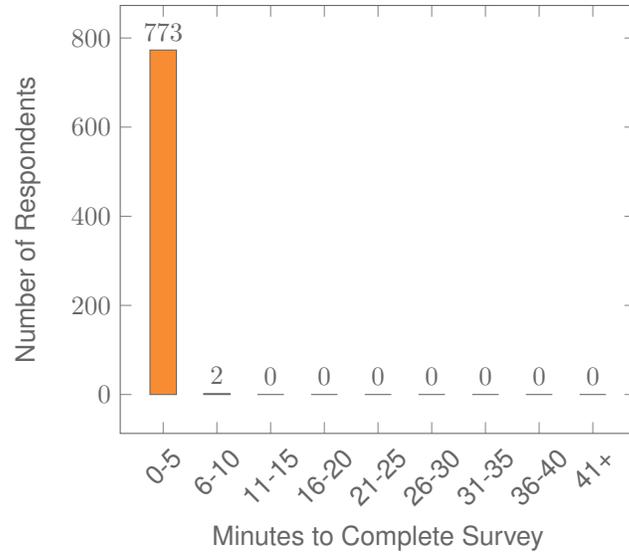
The detailed survey response rate is as follows:

UAS116 - Response Overview	
Size of selected sample	1140
Completed the survey	772
Started but did not complete the survey	91
Did not start the survey	277
Response rate	67.72%

2.2 Timings

The survey took respondents an average of 1 minutes, and the full distribution of survey response times is available in the figure below. Times per question are available upon request.

Distribution of Respondents' Survey Response Times



2.3 Weighting

Weights are not (yet) available for this survey. Please contact UAS staff with any questions.

3 STANDARD VARIABLES

Each Understanding America Study data contains a series of standard variables, consisting of individual, household and sample identifiers, language indicator, time stamps and a rating by the respondent of how much he or she liked the survey:

- **uasid**: the identifier of the respondent. This identifier is assigned to a respondent at recruitment and stays with the respondent throughout each and every survey he/she participates in. When analyzing data from multiple surveys, the 'uasid' can be used to merge data sets.
- **uashhid**: the household identifier of the respondent. Every member is assigned a household identifier, stored in the variable 'uashhid'. For the primary respondent this identifier equals his or her 'uasid'. All other eligible members of the primary respondent's household (everyone who is 18 or older in the household) who become UAS respondents receive the 'uasid' of the primary respondent as their household identifier. The identifier 'uashhid' remains constant over time for all respondents. Thus it is always possible to find the original UAS household of an UAS panel member (even after they, for example, have moved out to form another household).
- **survhhid**: uniquely identifies the household a UAS panel member belongs to in a given survey. For instance, if the primary respondent and his/her spouse are both UAS members at the time of a given survey, they both receive the same 'survhhid' identifier for that survey. If they subsequently split, they receive two different 'survhhid' in subsequent surveys. They, however, always share the same 'uashhid'. The identifier 'survhhid' is set to missing (.) if no other household members are UAS panel members at the time of the survey. Since individuals can answer the same survey at different points in time (which can be relatively far apart if the survey is kept in the field for a prolonged time), it may be possible that, within the same data set, household members have different 'survhhid' reflecting different household compositions at the time they answered the survey. For instance, suppose that the primary respondent and his/her spouse are both UAS members. If the primary respondent answers the survey when he/she is living with the spouse, but the spouse answers the survey when the couple has split, they receive different 'survhhid'. Hence, the variable 'survhhid' identifies household membership of UAS panel members, at the time the respondent answers the survey. Note: in the My Household survey 'survhhid' is set to unknown (.u) for respondents who last participated in the My Household survey prior to January 21, 2015.
- **uasmembers**: is the number of other household members who are also UAS panel members at the time of the survey. Since individuals can answer the same survey at different points in time (which can be relatively far apart is the survey is kept in the field for a prolonged time), it may be possible that, within the same data set, the primary respondent of a household has a value of '0', whereas the second UAS household respondent has a value of '1'. Therefore 'uasmembers' should be interpreted as the

number of household and UAS panel members at the time the respondent answers the survey. Note: in the My Household survey 'uasmembers' is set to unknown (.u) for respondents who last participated in the My Household survey prior to January 21, 2015.

- **sampleframe**: indicates the sampling frame from which the household of the respondent was recruited. All UAS recruitment is done through address based sampling (ABS) in which samples are acquired based on postal records. Currently, the variable 'sampleframe' takes on four values reflecting four distinct sample frames used by the UAS over the year (in future data sets the number of sample frames used for recruitment may increase if additional specific populations are targeted in future recruitment batches):
 1. U.S. National Territory: recruited through ABS within the entire U.S.
 2. Areas high concentration Nat Ame: recruited through ABS in areas with a high concentration of Native Americans in the zip-code. Within these batches, individuals who are not Native Americans are not invited to join the UAS.
 3. Los Angeles County: recruited through ABS within Los Angeles County.
 4. California: recruited through ABS within California.

Note: prior to March 6, 2024 this variable was called sampletype and had the following value labels for the above list in UAS data sets:

1. Nationally Representative Sample: recruited through ABS within the entire U.S.
 2. Native Americans: recruited through ABS in areas with a high concentration of Native Americans. Within these batches, individuals who are not Native Americans are not invited to join the UAS.
 3. LA County: recruited through ABS within Los Angeles County.
 4. California: recruited through ABS within California.
- **batch**: indicates the batch from which the respondent was recruited. Currently, this variable takes the following values (in future data sets the number of batches may increase as new recruitment batches are added to the UAS):
 1. ASDE 2014/01
 2. ASDE 2014/01
 3. ASDE 2014/01
 4. Public records 2015/05
 5. MSG 2015/07
 6. MSG 2016/01
 7. MSG 2016/01
 8. MSG 2016/01
 9. MSG 2016/02

10. MSG 2016/03
11. MSG 2016/04
12. MSG 2016/05
13. MSG 2016/08
14. MSG 2017/03
15. MSG 2017/11
16. MSG 2018/02
17. MSG 2018/08
18. MSG 2019/04
19. MSG 2019/05
20. MSG 2019/11
21. MSG 2020/08
22. MSG 2020/10
23. MSG 2021/02
24. MSG 2021/08
25. MSG 2021/08
26. MSG 2022/02
27. MSG 2022/02
28. MSG 2022/08
29. MSG 2022/11
30. MSG 2022/11
31. MSG 2023/01
32. MSG 2023/06
33. MSG 2023/09
34. MSG 2023/10

Note: prior to March 6, 2024 this variable had the following value labels for the above list in UAS data sets:

1. ASDE 2014/01 Nat.Rep.
2. ASDE 2014/01 Native Am.
3. ASDE 2014/11 Native Am.
4. LA County 2015/05 List Sample
5. MSG 2015/07 Nat.Rep.
6. MSG 2016/01 Nat.Rep. Batch 2
7. MSG 2016/01 Nat.Rep. Batch 3

8. MSG 2016/01 Nat.Rep. Batch 4
9. MSG 2016/02 Nat.Rep. Batch 5
10. MSG 2016/03 Nat.Rep. Batch 6
11. MSG 2016/04 Nat.Rep. Batch 7
12. MSG 2016/05 Nat.Rep. Batch 8
13. MSG 2016/08 LA County Batch 2
14. MSG 2017/03 LA County Batch 3
15. MSG 2017/11 California Batch 1
16. MSG 2018/02 California Batch 2
17. MSG 2018/08 Nat.Rep. Batch 9
18. MSG 2019/04 LA County Batch 4
19. MSG 2019/05 LA County Batch 5
20. MSG 2019/11 Nat. Rep. Batch 10
21. MSG 2020/08 Nat. Rep. Batch 11
22. MSG 2020/10 Nat. Rep. Batch 12
23. MSG 2021/02 Nat. Rep. Batch 13
24. MSG 2021/08 Nat. Rep. Batch 15
25. MSG 2021/08 Nat. Rep. Batch 16
26. MSG 2022/02 Nat. Rep. Batch 17 (priority)
27. MSG 2022/02 Nat. Rep. Batch 17 (regular)
28. MSG 2022/08 Nat. Rep. Batch 18
29. MSG 2022/11 LA County Batch 6
30. MSG 2022/11 Nat. Rep. Batch 20
31. MSG 2023/01 Nat. Rep. Batch 21
32. MSG 2023/06 Nat. Rep. Batch 22
33. MSG 2023-09 Native Am. Batch 3
34. MSG 2023-10 Nat. Rep. Batch 23

- **primary_respondent**: indicates if the respondent was the first person within the household (i.e. to become a member or whether s/he was added as a subsequent member. A household in this regard is broadly defined as anyone living together with the primary respondent. That is, a household comprises individuals who live together, e.g. as part of a family relationship (like a spouse/child/parent) or in context of some other relationship (like a roommate or tenant).
- **hardware**: indicates whether the respondent ever received hardware or not. Note: this variable should not be used to determine whether a respondent received hardware at a given point in time and/or whether s/he used the hardware to participate in a survey. Rather, it indicates whether hardware was ever provided:

1. None
 2. Tablet (includes Internet)
- **language**: the language in which the survey was conducted. This variable takes a value of 1 for English and a value of 2 for Spanish.
 - **start_date (start_year, start_month, start_day, start_hour, start_min, start_sec)**: indicates the time at which the respondent started the survey.
 - **end_date (end_year, end_month, end_day, end_hour, end_min, end_sec)**: indicates the time at which the respondent completed the survey.
 - **cs_001**: indicates how interesting the respondent found the survey.

4 BACKGROUND DEMOGRAPHICS

Every UAS survey data set includes demographic variables, which provide background information about the respondent and his/her household. Demographic information such as age, ethnicity, education, marital status, work status, state of residence, family structure is elicited every quarter through the “My Household” survey. The demographic variables provided with each survey are taken from the most recent ‘MyHousehold’ survey answered by the respondent. If at the time of a survey, the information in “My Household” is more than three months old, a respondent is required to check and update his or her information before being able to take the survey.

The following variables are available in each survey data set:

- **gender**: the gender of the respondent.
- **dateofbirth_year**: the year of birth of the respondent.
- **age**: the age of the respondent at the start of the survey.
- **agerange**: if the respondent’s age cannot be calculate due to missing information, ‘agerange’ indicates the approximate age. Should a value for both the ‘age’ and ‘agerange’ be present, then ‘age’ takes precedence over ‘agerange’.
- **citizenus**: indicates whether the respondent is a U.S. citizen.
- **bornus**: indicates whether the respondent was born in the U.S.
- **stateborn**: indicates the state in which the respondent was born. This is set to missing (.) if the respondent was not born in the U.S.
- **countryborn**: indicates the country in which the respondent was born. This is set to missing (.) if the respondent was born in the U.S.
- **countryborn_other**: indicates the country of birth if that country is not on the drop down list of countries shown to the respondent’.
- **statereside**: the state in which the respondent is living.
- **immigration_status**: indicates whether the respondent is an immigrant. It takes one of the following values: 0 Non-immigrant, 1 First generation immigrant (immigrant who migrated to the U.S), 2 Second generation immigrant (U.S.-born children of at least one foreign-born parent), 3 Third generation immigrant (U.S.-born children of at least one U.S.-born parent, where at least one grandparent is foreign-born), or 4 Unknown immigrant status.
- **maritalstatus**: the marital status of the respondent.
- **livewithpartner**: indicates whether the respondent lives with a partner.

- **education**: the highest level of education attained by the respondent.
- **hisplativo**: indicates whether the respondent identifies him or herself as being Hispanic or Latino. This variable is asked separately from race.
- **hisplatinogroup**: indicates which Hispanic or Latino group a respondent identifies him or herself with. This is set to missing (.) if the respondent does not identify him or herself as being Hispanic or Latino.
- **white**: indicates whether the respondent identifies him or herself as white (Caucasian).
- **black**: indicates whether the respondent identifies him or herself as black (African-American).
- **nativeamer**: indicates whether the respondent identifies him or herself as Native American (American Indian or Alaska Native).
- **asian**: indicates whether the respondent identifies him or herself as Asian (Asian-American).
- **pacific**: indicates whether the respondent identifies him or herself as Native Hawaiian or Other Pacific Islander.
- **race**: indicates the race of the respondent as singular (e.g., '1 White' or '2 Black') or as mixed (in case the respondent identifies with two or more races). The value '6 Mixed' that the respondent answered 'Yes' to at least two of the single race categories. This variable is generated based on the values of the different race variables (white, black, nativeamer, asian, pacific). This composite measure is not conditional on hisplativo, so an individual may identify as Hispanic or Latino, and also as a member of one or more racial groups.
- **working**: indicates whether the respondent is working for pay.
- **sick_leave**: indicates whether the respondent is not working because sick or on leave.
- **unemp_layoff**: indicates whether the respondent is unemployed or on lay off.
- **unemp_look**: indicates whether the respondent is unemployed and looking for a job.
- **retired**: indicates whether the respondent is retired.
- **disabled**: indicates whether the respondent has a disability.
- **If_other**: specifies other labor force status.
- **laborstatus**: indicates the labor force status of the respondent as singular (e.g., '1 Working for pay' or '2 On sick or other leave') or as mixed (in case the respondent selects two or more labor statuses). The value '8 Mixed' indicates that the respondent answered 'Yes' to at least two of the single labor force status variables. This variable is generated based on the values of the different labor status variables (working, sick_leave, unempl_layoff, unempl_look, retired, disabled, If_other).

- **employmenttype**: indicates the employment type of the respondent (employed by the government, by a private company, a nonprofit organization, or self-employed). This is set to missing (.) if the respondent is not currently working or currently on sick or other leave.
- **workfullpart**: indicates whether the respondent works full or part-time. This is set to missing (.) if the respondent is not currently working or currently on sick or other leave.
- **hourswork**: indicates the number of hours the respondent works per week. This is set to missing (.) if the respondent is not currently working or currently on sick or other leave.
- **hhincome**: is the total combined income of all members of the respondent's household (living in their household) during the past 12 months.
- **anyhhmember**: indicates whether there were any members in the respondent's household at the time he/she answered the survey as reported by the respondent.
- **hhmembervnumber**: indicates the number of household members in the respondent's household at the time of the survey as reported by the respondent. It may be that 'anyhhmember' is 'Yes', but 'hhmembervnumber' is missing if the respondent did not provide the number of household members at the time of the survey.
- **hhmemberin_#**: indicates whether a household member is currently in the household as reported by the respondent. Household members are never removed from the stored household roster and their information is always included in survey data sets. The order of the roster is the same order in which household members were specified by the respondent in the 'MyHousehold' survey. The order is identified by the suffix _# (e.g., _1 indicates the first household member, _2 the second household member, etc.).

As an example, if the first household member is in the household at the time of the survey, 'hhmemberin_1' is set to '1 HH Member 1 is in the HH'; if he/she has moved out, 'hhmemberin_1' is set to '0 HH member 1 is no longer in the HH'. Since information of other household members (stored in the variables listed below) is always included in survey data sets, information about 'hhmemberin_1' is available whether this person is still in the household or has moved out.

- **hhmembergen_#**: indicates the gender of another household member as reported by the respondent.
- **hhmemberage_#**: indicates the age of another household member. The age is derived from the month and year of birth of the household member as reported by the respondent.
- **hhmemberrel_#**: indicates the relationship of the respondent to the other household member as reported by the respondent.

- **hhmemberuasid_#**: is the 'uasid' of the other household member if this person is also a UAS panel member. It is set to missing (.) if this person is not a UAS panel member at the time of the survey. Since this identifier is directly reported by the respondent (chosen from a preloaded list), it may differ from the actual (correct) 'uasid' of the UAS member it refers to because of reporting error. Also, this variable should not be used to identify UAS members in a given household at the time of the survey. This is because the variables 'hhmemberuasid_#' are taken from the most recent 'My Household' and changes in household composition involving UAS members may have occurred between the time of the respondent answered 'My Household' and the time the respondent answers the survey. To follow UAS members of a given household, it is advised to use the identifiers 'uashhid' and 'survhhid'.
- **lastmyhh_date**: the date on which the demographics variables were collected through the 'My Household' survey.

5 MISSING DATA CONVENTIONS

Data files provide so-called clean data, that is, answers given to questions that are not applicable anymore at survey completion (for example because a respondent went back in the survey and skipped over a previously answered question) are treated as if the questions were never asked. In the data files all questions that were asked, but not answered by the respondent are marked with (.e). All questions never seen by the respondent (or any dirty data) are marked with (.a). The latter may mean that a respondent did not view the question because s/he skipped over it; or alternatively that s/he never reached that question due to a break off. If a respondent did not complete a survey, the variables representing survey end date and time are marked with (.c). Household member variables are marked with (.m) if the respondent has less household members (e.g. if the number of household members is 2, any variables for household member 3 and up are marked with (.m)).

UAS provides data in STATA and CSV format. Stata data sets come with include variable labels that are not available in the CSV files. Value labels are provided for single-response answer option. In STATA these labels will include the labels 'Not asked' and 'Not answered' for (.a) and (.e), and will show in tabulations such as 'tab q1, missing'. For multiple-response questions a binary variable is created for each answer option indicating whether the option was selected or not. A summary variable is also provided in string format reflecting which options were selected and in which order. For example, if a question asked about favorite animals with options cat, dog, and horse, then if a respondent selected horse and then cat, the binary variables for horse and cat will be set to yes, while the overall variable would have a string value of '3-1'. If no answer was given, all binary variables and the summary variable will be marked with '.e'.

Questions that are asked multiple times are often implemented as so-called array questions. Supposing the name of such question was Q1 and it was asked in 6 different instances, your data set would contain the variables Q1_1_ to Q1_6_. To illustrate, if a survey asked the names of all children, then child_1_ would contain the name of the first child the respondent named and so on.

More information about the UAS data in general can be found on the UAS Data Pages web site.

6 ROUTING SYNTAX

The survey with routing presented in the next section includes all of the questions that make up this survey, the question answers when choices were provided, and the question routing. The routing includes descriptions of when questions are grouped, conditional logic that determines when questions are presented to the respondent, randomization of questions and answers, and fills of answers from one question to another.

If you are unfamiliar with conditional logic statements, they are typically formatted so that **if** the respondent fulfills some condition (e.g. they have a cellphone or a checking account), **then** they are presented with some other question or the value of some variable is changed. If the respondent does not fulfill the condition (e.g. they are not a cellphone adopter or they do not have a checking account), something **else** happens such as skipping the next question or changing the variable to some other value. Some of the logic involved in the randomization of questions or answers being presented to the respondent is quite complex, and in these instances there is documentation to clarify the process being represented by the routing.

Because logic syntax standards vary, here is a brief introduction to our syntax standards. The syntax used in the conditional statements is as follows: '=' is equal to, '<' is less than, '>' is greater than, and '!= ' is used for does not equal. When a variable is set to some number N, the statement looks like 'variable := N'.

The formatting of the questions and routing are designed to make it easier to interpret what is occurring at any given point in the survey. Question ID is the bold text at the top of a question block, followed by the question text and the answer selections. When a question or variable has associated data, the name links to the appropriate data page, so you can easily get directly to the data. Text color is used to indicate the routing: **red** is conditional logic, **gold** is question grouping, **green** is looping, and **orange** is used to document randomization and other complex conditional logic processes. The routing is written for a computer to parse rather than a human to read, so when the routing diverges significantly from what is displayed to the respondent, a screenshot of what the respondent saw is included.

The name of the randomization variables are defined in proximity to where they are put into play, and like the question ID the names of the randomization variables can be used to link directly to the associated data page.

7 SURVEY WITH ROUTING

Start of section **Questions**

intro (Section Questions)
Welcome!

In this survey we will ask you to complete two tasks. The tasks should take around 15 minutes to complete and you will be paid \$10. Additionally, you might be randomly selected for an extra payment bonus.

In the following screen we will explain the survey in more details. Please note that it may take a little bit for the next screen to load.

```
IF treatment = EMPTY THEN  
| treatment := mt_rand(1,2)  
END OF IF
```

/ Respondents are randomly assigned to one of two presentations for the hypothetical investment allocation choices. */*

```
dummy := storeTreatment(treatment)
```

frameholder (Section Questions)

Figure 1: Survey screen

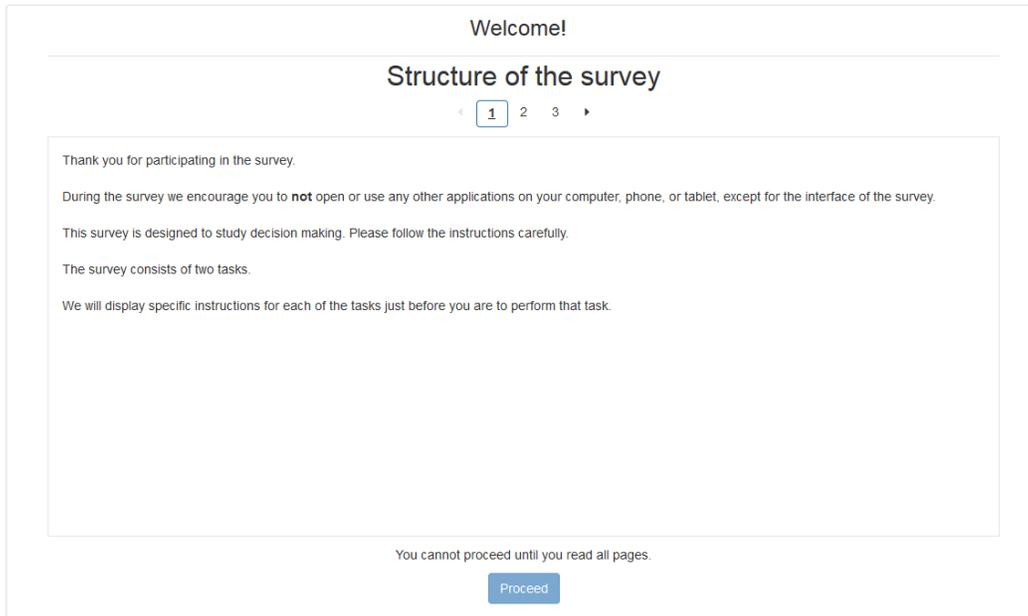


Figure 2: Survey screen

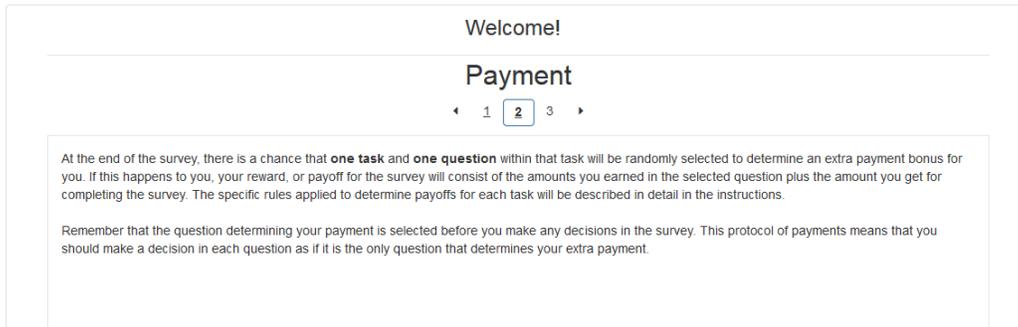


Figure 3: Survey screen



Figure 4: Survey screen

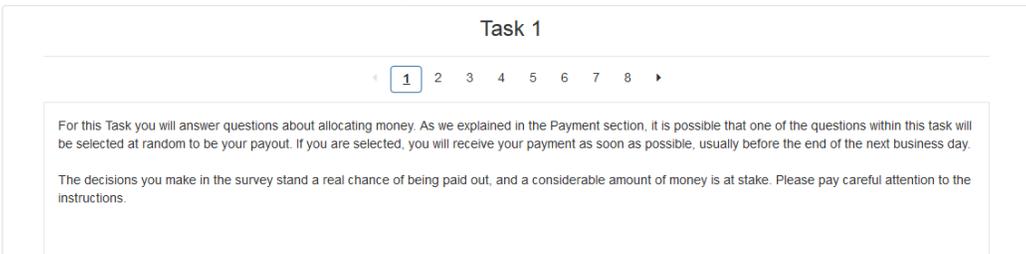


Figure 5: Survey screen

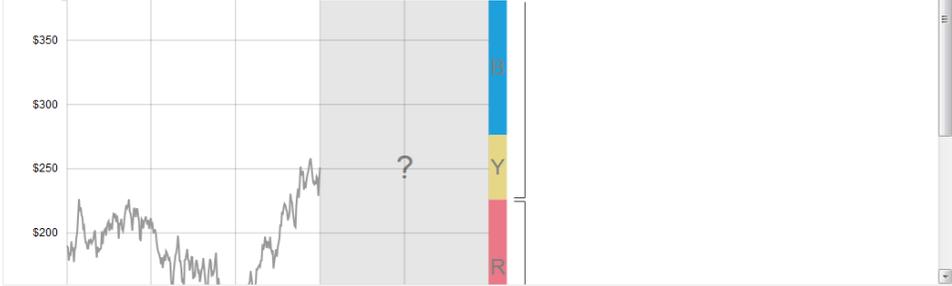
Task 1

Task overview

◀ 1 **2** 3 4 5 6 7 8 ▶

Company X is a hypothetical company. We simulated a history of stock prices of Company X using a mathematical model frequently used in financial economics. You will see a chart showing the history of company X's stock prices. The figure below is an example of such a chart.

Note that the path presented in the image is meant to be an example, and is not the same one as you will see in the task.



You cannot proceed until you read all pages.

Proceed

Figure 6: Survey screen

Task 1

How it works

◀ 1 2 **3** 4 5 6 7 8 ▶

Now we will explain the task in detail.

You will make several decisions. In each decision, you have 100 tokens and will choose how many to put in each of two accounts. One token may have different dollar values depending on which account it is in. You can put any number of tokens, between 0 and 100, and including fractions, into any one account. The remaining tokens will go to the other account.

Your payoff will be determined by the following three components:

1. the monetary value of tokens in each account
2. your allocation of tokens in each of the two accounts
3. in which colored area Company X's stock price lies at period 500.

Figure 7: Survey screen

Task 1

Two types of questions

◀ 1 2 3 **4** 5 6 7 8 ▶

There are two types of questions depending on how the accounts treat colors.

In **Type 1** questions, the two accounts are

- Account **Blue-or-Yellow**: Stock price increases, or decreases at most 10%.
- Account **Red**: Stock price decreases more than 10%.

You cannot proceed until you read all pages.

[Proceed](#)

Figure 8: Survey screen

Task 1

How to use the slider

◀ 1 2 3 4 **5** 6 7 8 ▶

You will use a slider to decide how many tokens should go to each account. A table shows how many tokens, and how much money goes into each account. The table is updated as soon as you move the slider. No cursor appears at the start of the survey - you need to click anywhere on the slider line to activate it.

To familiarize yourself with the interface, please move the slider and check how the table would respond.

43.504

0 100

Based on your selection on the slider your allocation is:

Token value :	\$3.20	\$2.40
Token :	<input type="text" value="43.504"/>	<input type="text" value="56.496"/>
Account value :	\$139.21	\$135.59

You cannot proceed until you read all pages.

[Proceed](#)

Figure 9: Survey screen

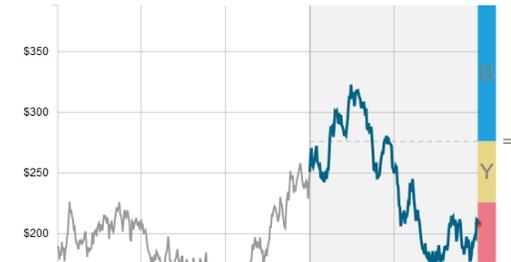
Task 1

Your earnings

◀ 1 2 3 4 5 6 7 8 ▶

Suppose one question from this task is selected for your payment. After finishing all questions, the computer will simulate the rest of the stock price path. If you are randomly selected, then you will receive the monetary value of the account which corresponds to the stock's final price.

For example, if you made an allocation decision as in the following figure and the simulated stock price hits the Blue area, since you allocated 80 tokens to the Blue account, your payoff will be \$176.00.



You cannot proceed until you read all pages.

Proceed

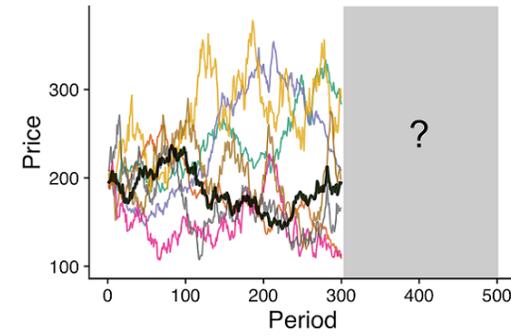
Figure 10: Survey screen

Task 1

Hypothetical stock market

◀ 1 2 3 4 5 6 7 8 ▶

As we mentioned before, we simulated a history of stock prices of this company using a model frequently used in financial economics. The following chart illustrates eight such simulated stocks in our "hypothetical stock market".



You cannot proceed until you read all pages.

Proceed

Figure 11: Survey screen

Task 1

Important

◀ 1 2 3 4 5 6 7 8 ▶

- The stock price history of Company X up to period 300 ("today") is the same throughout this task.
- You will not know "future" prices (between period 301 and period 500).
- The thresholds separating three areas (blue, yellow, and red) are the same throughout the task
- There are two types of questions.
- Token values and question types can vary between questions.
- If you are selected, one question from this or the next task is randomly chosen to determine your bonus. It is your best interest to treat each question as if it is the question that determines your payment.

We will now ask you several questions about the task. After completing the quiz, you will first see 2 practice questions and then move on to 20 main questions.

If you ever need to review the instructions again, just click on the bookmark  icon on the top right screen and a new window will open. This window will not affect your survey.

Figure 12: Survey screen

Task 1 

Q1 : The bonus for this section (if you are selected) partly depends on the value of the stock price of a hypothetical company. You will...

see different price history in each question.

see one price history throughout this section.

Q2 : Consider the following example.

	Blue	Yellow or Red
Token value	\$3.00	\$4.40
Token	40	60
Account value	\$120.00	\$264.00

If this question is selected for your bonus and the stock X hits the YELLOW region at period 500, how much would your bonus be?

\$120.00

$\$120.00 + \$264.00 = \$384.00$

\$264.00

Q3 : If you are selected to receive bonus and this task is chosen for determining the bonus, ...

all questions from this task count for the payment.

only one question from this task counts for the payment.

[Confirm & Proceed](#)

Figure 13: Survey screen

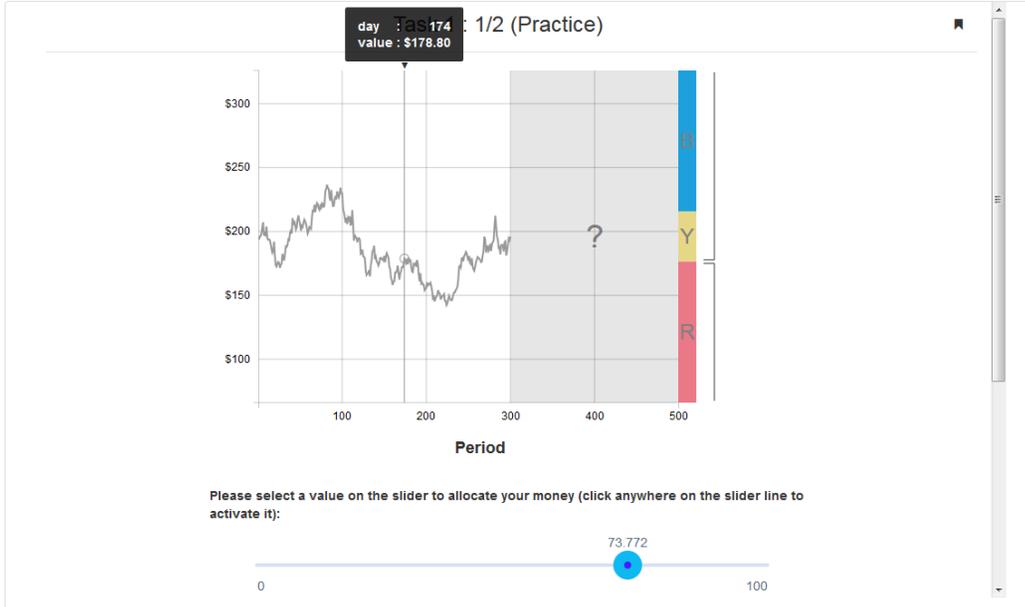


Figure 14: Survey screen

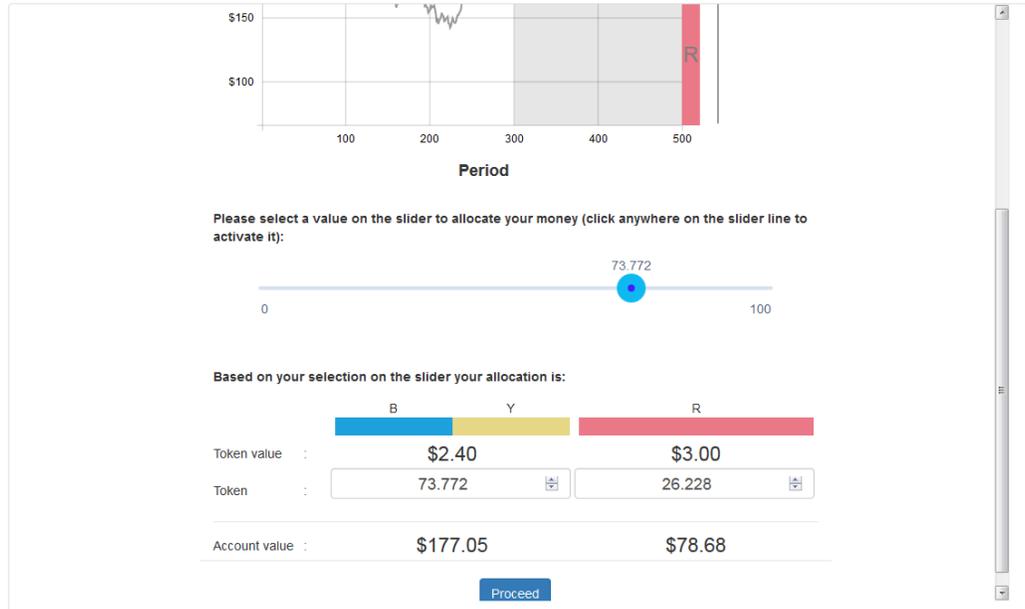


Figure 15: Survey screen

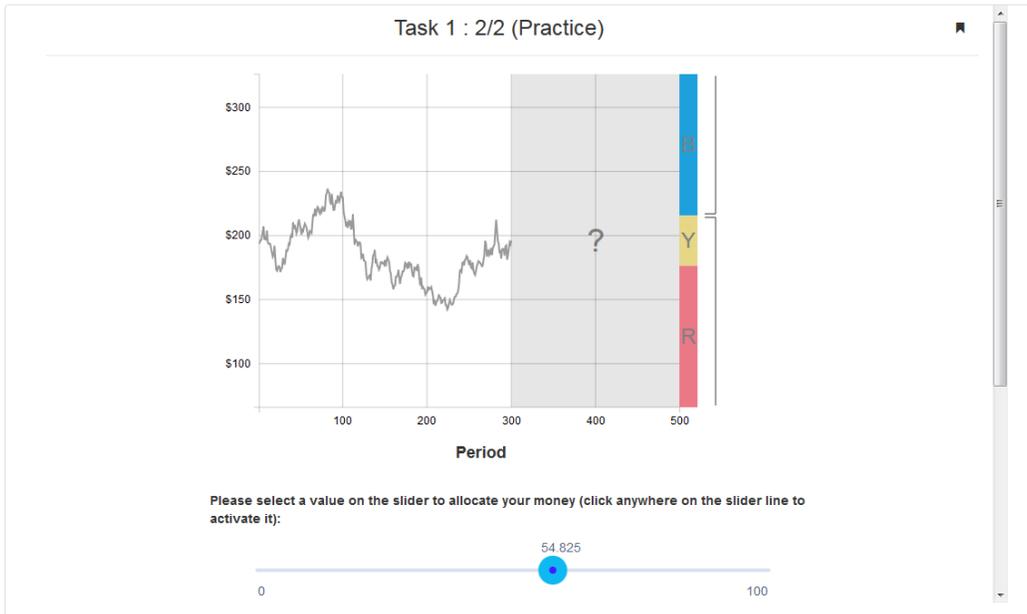


Figure 16: Survey screen

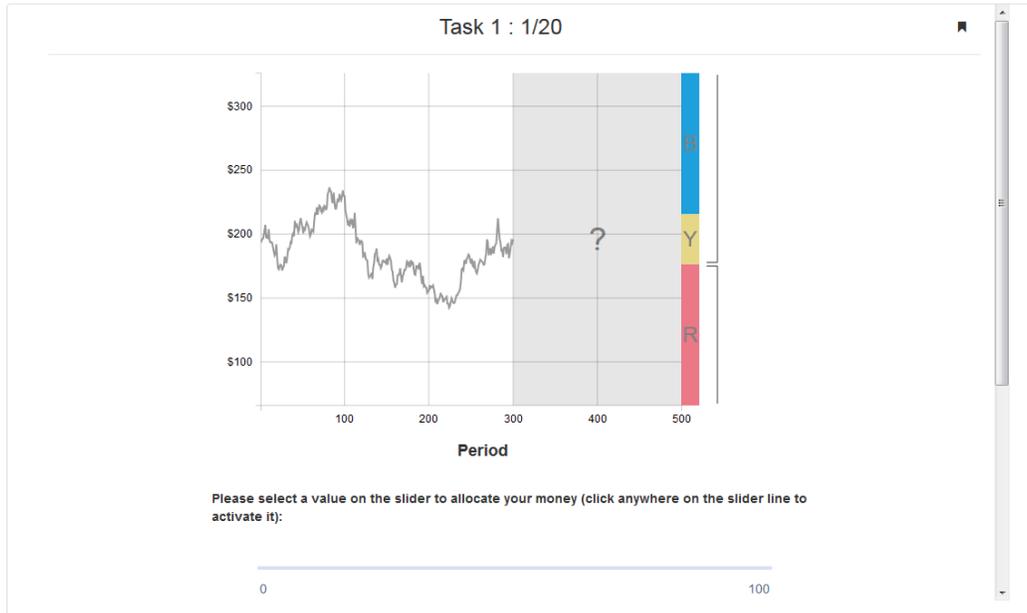


Figure 17: Survey screen

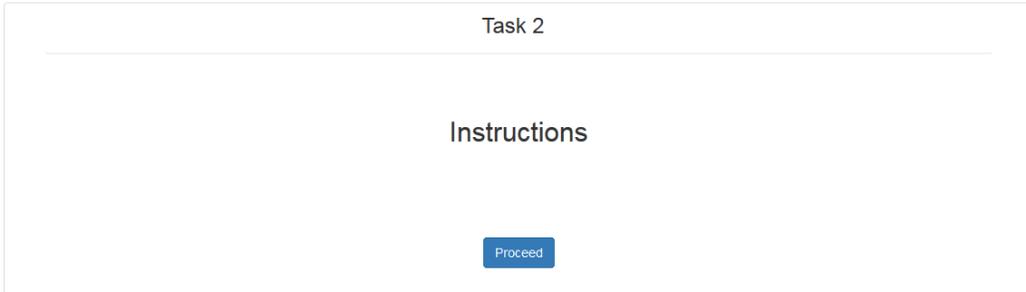


Figure 18: Survey screen

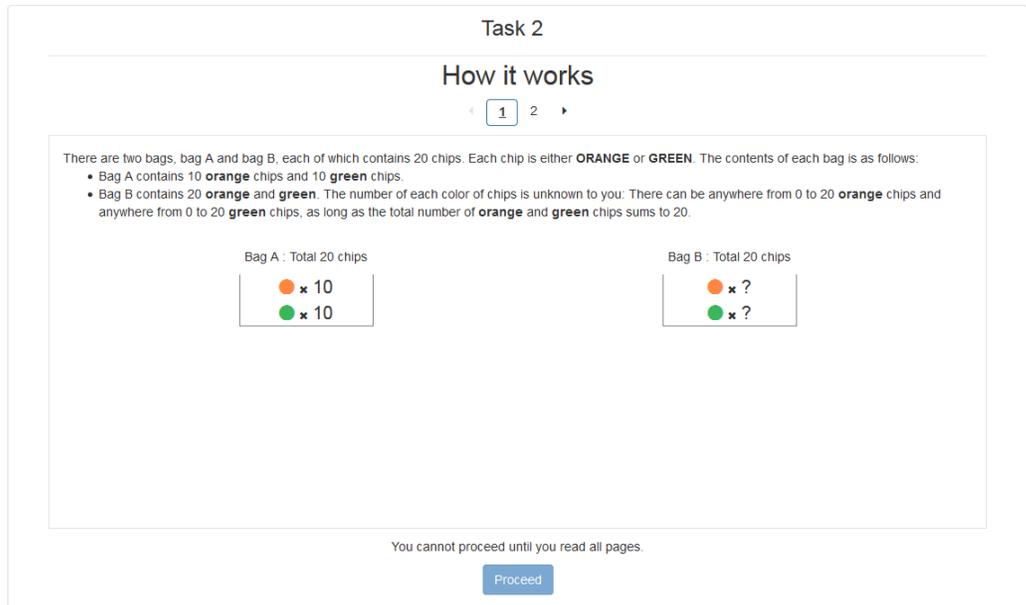


Figure 19: Survey screen

Task 2

How it works

◀ 1 **2** ▶

Bag A : Total 20 chips

● x 10● x 10

Bag B : Total 20 chips

● x ?● x ?

You will now answer several questions, each of which offers you a choice between bets on the color of a chip that the computer will randomly draw at the end of the survey (if this task is chosen for payment).

You will first be asked to choose one of the two colors. We will call this **Your Color**. If you are selected to receive bonus from the survey and a question for this , you will be paid only if a chip of this color is drawn from the bag (by the computer) at the end of the survey.

You will then be asked to answer the following three questions.

1. Question 1: Please select a bet
 - o \$102 if a chip drawn from bag A is of **Your Color** and \$0 otherwise.
 - o \$100 if a chip drawn from bag B is of **Your Color** and \$0 otherwise.
2. Question 2: Please select a bet
 - o \$100 if a chip drawn from bag A is of **Your Color** and \$0 otherwise.
 - o \$100 if a chip drawn from bag B is of **Your Color** and \$0 otherwise.
3. Question 3: Please select a bet
 - o \$100 if a chip drawn from bag A is of **Your Color** and \$0 otherwise.
 - o \$102 if a chip drawn from bag B is of **Your Color** and \$0 otherwise.

[Proceed](#)

Figure 20: Survey screen

Task 2

Are you ready to start the task?

[Start Task](#)

Figure 21: Survey screen

Task 2 : 1/1

Bag A : Total 20 chips

● x 10

● x 10

Bag B : Total 20 chips

● x ?

● x ?

Question 1 : Choose your color.

Orange

Green

Question 2 : Select a bet.

\$102 if a chip drawn from Bag A is "Your color" and \$0 otherwise

\$100 if a chip drawn from Bag B is "Your color" and \$0 otherwise

Question 3 : Select a bet.

\$100 if a chip drawn from Bag A is "Your color" and \$0 otherwise

\$100 if a chip drawn from Bag B is "Your color" and \$0 otherwise

Question 4 : Select a bet.

\$100 if a chip drawn from Bag A is "Your color" and \$0 otherwise

\$102 if a chip drawn from Bag B is "Your color" and \$0 otherwise

Proceed

Figure 22: Survey screen

Thank you!

Thank you for your answers! Unfortunately you were not randomly selected for an additional bonus payment, but you will of course receive the \$10 for completing this survey.

Please click "Proceed" to continue.

Proceed

```
extrareward := getBonus()  
dummy := checkForBonus()
```

End of section **Questions**

Start of section **Closing**

CS_001 (HOW PLEASANT INTERVIEW in section Closing)

Could you tell us how interesting or uninteresting you found the questions in this interview?

- 1 Very interesting
- 2 Interesting
- 3 Neither interesting nor uninteresting
- 4 Uninteresting

5 Very uninteresting

CS_003 (comments in section Closing)

Do you have any other comments on the interview? Please type these in the box below. (If you have no comments, please click next to complete this survey.)

STRING

End of section **Closing**

/ Please note that although question CS_003 is listed in the routing, the answers are not included in the microdata in the event identifiable information is captured. Cleaned responses are available by request. */*