Survey 1: VS & MTurk

Codebook

Note: This abbreviated data only includes what is necessary to replicate the analysis identifying the convergent validity of the ratings and staircase approach. Only a subset of respondents were assigned to the relevant ratings approach (see main text). For full dataset, see Survey 1 Wide data and codebook.

Recoded variables

Survey administration variables ***2***

Survey random variables ***2***

Ratings approach ***2***

Plot staircase ***2***

Numeracy ***3***

Additional behavioral measures and self-reports ***3***

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Survey administration variables

seqID unique participant ID (sequential on both VS and MTurk)

Sample
0 VS
1 Mturk

complete 1 if participant reached the end of the survey, 0 otherwise.

consent 1 if participant consented, 0 otherwise.

Survey random variables

rf_bar Plot condition (line or bar)
0 Lines
1 Bars

rg_plot Plot staircase condition
1 Adjust average
2 Adjust slope

Ratings approach

jdim Plot number

evaluation Answers evaluating the plots

plot_type Plot type viewed by participant (line or bar graph)

samplebar A single variable indicating the respondent sample and plot type.
0 MTurk, Bars
1 MTurk, Lines
2 VS, Lines

Plot staircase

plot_stair If rg_plot is equal to 1, the average number of doses per week (in millions) necessary in the flat sequence to make respondents indifferent between the flat and rising sequence.

If rg_plot is equal to 2, the slope (in millions), with average of 21 million doses administered per week, makes respondents indifferent to an average of 22 million doses with slope of -0.22 million doses.

plot_stair_stand The standardized FAE when rg_plot is equal to 1. The proportion of visible benefits in the flat sequence compared to the sloped sequence that makes respondents indifferent between the two. When standardized FAE is equal to 1, participants are indifferent between the flat and the increasing sequences with the same total outcome visible in the graphed region.

Numeracy

num1 Correct answer to dice numeracy question (1 = correct ; 0 = wrong)

0 Wrong
1 Correct

Question text

Imagine that we rolled a fair, six-sided die 1,000 times. What is your best guess about how many times the die would come up even (2, 4, or 6) in 1,000 rolls?
____times out of 1,000

num2 Correct answer to lottery numeracy question (1 = correct ; 0 = wrong)

0 Wrong
1 Correct

Question text

In a lottery, the chance of winning a $10 prize is 1%. What is your best guess about how many people would win a $10 prize if 1000 people each buy a single ticket to the lottery?
____person(s) out of 1,000

num3 Correct answer to disease numeracy question (1 = correct ; 0 = wrong)

0 Wrong
1 Correct

Question text

If the chance of getting a disease is 1 out of 1000, this would be the same as having a ____% chance of getting the disease.

____% chance
[allow only numbers and decimal point]

numeracy Number of correct answers to numeracy questions (out of 3)

Additional behavioral measures and self-reports

vaxed Vaccination status

1 Not vaccinated
2 Single-dose

	3	First of two doses
	4	Both doses
vaxint	Vaccination intention	
	0	Already vaccinated at least once
	1	As soon as it's available
	2	A few weeks after
	3	A few months after
	4	A year or more after it's available
	5	I won't get the vaccine
vaxall	Vaccination roll out preference	
	1	Right away
	2	By the end of May
	3	By the end of June
	4	By the end of summer
	5	By the end of the year

Individual characteristics

female	Gender	
	1	Female
	0	Male
	.a	Missing and unfinished section
	.b	Skipped but finished section
age	Participant's age	
edu	Participant's highest level of education level	
	1	I do not have a high school degree or GED
	2	Regular high school degree
	3	GED or alternative credential
	4	Some college credit, no degree
	5	Associate's degree (for example: AA, AS)
	6	Bachelor's degree (for example: BA, BS)
	7	Graduate or professional degree
pid7	Party identification (7-point scale)	
	1	Strong Rep
	2	Not strong Rep
	3	Lean Rep
	4	Ind
	5	Lean Dem
	6	Not strong Dem
	7	Strong Dem
	.a	Missing and unfinished section
	.b	Skipped but finished section
pid3	Party identification (3-point scale)	
	1	Republican
	2	Independent/Other

	3	Democrat
	.a	Missing and unfinished section
	.b	Skipped but finished section

pid3wL Party identification (3-point scale, leaners as partisans)

1	Republican
2	Independent/Other
3	Democrat
.a	Missing and unfinished section
.b	Skipped but finished section

educ4_asnorc Education with NORC categories
[Recoded from **edu**]

1	Less than high school
2	High school graduate
3	Some college
4	BA and above
.a	Missing and unfinished section
.b	Skipped but finished section