Survey on Biomedical Research Funding Allocation Decisions

Welcome to our survey. Please enter the ID number and pin provided in your invitation email below.

ID:

Pin:

Survey on Biomedical Research Funding Allocation Decisions

Welcome to our National Science Foundation sponsored survey and thank you for agreeing to participate. You were included in our survey based, in part, on your recent experience as a principal investigator on a National Institutes of Health (NIH) grant. Our study is designed to examine how researchers think about which grant proposals should receive funding. A report summarizing our findings will be provided to the National Institute of Health, the National Science Foundation, and other major institutions that fund scientific research. Participants interested in receiving project reports will be given the opportunity to sign up at the end of the survey. No individually identifying information will be kept with this survey dataset or included in any reports or publications.

For roughly the next thirty minutes, we want you to assume the role of the director of a special NIH program who has to decide on how to allocate scarce funding across a range of potential research projects. To be clear, this is different from the role that you have likely played as a member of an NIH study section. While we want you to draw on that experience, we do not want you to feel constrained by it. One of the main things we seek to learn is how researchers would pick projects if current rules were not in place. You will be provided with evaluation scores from a complete study section meeting (albeit one a bit more stylized than the usual NIH review process). We will then ask you to decide which project(s) you would want to see funded based on that input.

Project descriptions are based on real NIH grant applications. Reviewer evaluation scores have been modified by the research team to help facilitate our statistical analysis of how biomedical researchers, such as yourself, trade off various attributes of projects when deciding what to fund. We will begin by asking you to assemble a portfolio of projects from a selected list. After this task, you will be asked some additional questions to help us better understand your professional background and decision-making processes.

Please read all instructions carefully and take your time in answering the questions.

0% 100%

Instructions

In the next two questions, you will be asked to put together a portfolio of research project proposals to fund. Your role is that of a program director with limited funds for funding projects.

- In each of the two questions, you will be asked to consider sets of ten research project proposals (denoted A through J).

- Each proposal has received a rating on a scale from 1 to 9 (with 1 being the top rating) by 30 scientific experts on your advisory board, all of whom are unaffiliated with the projects under consideration.

- For each set of ten proposals, you will be provided with two tables of information to help in your funding decision. In the first table, you will be provided the titles of each proposal. You can also review the individual proposal abstract and a graph of the reviewer scores by hovering over the proposal you are interested in.

- In the second table, you will be provided information on the scoring of each proposal. Each column represents one proposal, with the value in each row referring to the number of reviewers who gave that score to the proposal. The average of the reviewers' scores for each proposal and the standard deviation are also displayed toward the bottom of each proposal's column.

- After considering the abstracts and scoring information, you will be asked to indicate which of the ten proposals you would like to fund with your limited budget. Remember that you need not be constrained by current NIH funding rules and thus should feel free to use any information that you deem relevant to make your funding decisions.

- Each proposal has the same cost, which is displayed along with your budget. The budget of the portfolio will influence what research projects you are able to fund. The portfolio you choose must cost the same or less than your total budget. Any leftover funds from each question will be returned to NIH headquarters and will be unavailable for project funding by this study section.

- The order in which proposals appear has been randomized.

0%   100%

Question 1

Your NIH program budget to fund this portfolio of proposals is $8 million dollars and the cost of each proposal is $2 million dollars.

Check the boxes of the projects you would like to fund located below each proposal. As you enter proposals, the costs of each one will be subtracted from your NIH program budget and your remaining funds will be displayed. Due to your budget, you may not be able to fund all desired projects. You can swap proposals in and out by selecting and unselecting boxes until you are satisfied with your choices.

The tables below show the proposal titles and the number of reviewers (out of your panel of 30) who gave the proposals each score, 1 (best) through 9 (worst), along with the average score and standard deviation of the scores for each proposal. Hover over each proposal in the first table to view its abstract and see a graph of reviewer scores.

Proposal	Title
Proposal A	Bringing CLARITY to EAE.
Proposal B	Congenital Myasthenic Syndromes.
Proposal C	Mechanisms Regulating Cerebral Arteriogenesis and Neurorestoration.
Proposal D	Mechanisms of cognitive deficits after seizures in rats with brain malformations.
Proposal E	Neuregulin-1 decreases endothelial hyper-permeability and microthrombosis after traumatic brain injury.
Proposal F	Doublecortin in Neuronal Migration.
Proposal G	Anesthesia-induced learning deficiency and brain hyperoxia.
Proposal H	Mapping Brain Structure to Function in Euthymic Subjects with Bipolar Disorder.
Proposal I	A High Content Screening Approach for the Retinal Degenerative Diseases.
Proposal J	CB1 Receptor PET Imaging Reveals Gender Differences in PTSD.

Remaining Budget: $8 million

Number of Reviewers per Score and Proposal Score Statistics

Score	Proposal A	Proposal B	Proposal C	Proposal D	Proposal E	Proposal F	Proposal G
1 (Best)	15	9		9			
2		6	15	6		9	15
3		6		6	30	6	
4	2					2	
5		6	15	6		3	15
6	5			1		2	
7	1	1				1	
8	5	1				2	
9 (Worst)	2	1		2		5	
Average Score	3.93	3.10	3.50	3.10	3.00	4.63	3.50
Standard Deviation	3.18	2.22	1.53	2.25	0.00	2.67	1.53
Portfolio Selection	[%CHECKSELECT("PortfolioA1_S1",1);%]	[%CHECKSELECT("PortfolioA1_S1",2);%]	[%CHECKSELECT("PortfolioA1_S1",3);%]	[%CHECKSELECT("PortfolioA1_S1",4);%]	[%CHECKSELECT("PortfolioA1_S1",5);%]	[%CHECKSELECT("PortfolioA1_S1",6);%]	[%CHECKSELECT("PortfolioA1_S1

If funding were slashed so that you had to **drop one project** from your portfolio, which would you **drop**?

	Proposal A	Proposal B	Proposal C	Proposal D	Proposal E	Proposal F
Project you would **drop** from portfolio.	[%CHECKSELECT("PortfolioADrop1_S1",1);%]	[%CHECKSELECT("PortfolioADrop1_S1",2);%]	[%CHECKSELECT("PortfolioADrop1_S1",3);%]	[%CHECKSELECT("PortfolioADrop1_S1",4);%]	[%CHECKSELECT("PortfolioADrop1_S1",5);%]	[%CHECKSELECT("PortfolioADrop1_S1",6);%] [%CH

If funding were expanded so that you had to **add one more project** to your portfolio, which would you **add**?

	Proposal A	Proposal B	Proposal C	Proposal D	Proposal E	Proposal F
Project you would **add** to portfolio.	[%CHECKSELECT("PortfolioAAdd1_S1",1);%]	[%CHECKSELECT("PortfolioAAdd1_S1",2);%]	[%CHECKSELECT("PortfolioAAdd1_S1",3);%]	[%CHECKSELECT("PortfolioAAdd1_S1",4);%]	[%CHECKSELECT("PortfolioAAdd1_S1",5);%]	[%CHECKSELECT("PortfolioAAdd1_S1",6);%] [%CHECKS

0% ▬▬ 100%

Question 2

Please repeat the exercise from the previous question for a **<u>new</u>** set of research projects, which received a **<u>different</u>** set of scores from your science advisory panel.

0% 100%

Question 2

Your NIH program budget to fund this portfolio of proposals is $8 million dollars and the cost of each proposal is $2 million dollars.

Check the boxes of the projects you would like to fund located below each proposal. As you enter proposals, the costs of each one will be subtracted from your NIH program budget and your remaining funds will be displayed. Due to your budget, you may not be able to fund all desired projects. You can swap proposals in and out by selecting and unselecting boxes until you are satisfied with your choices.

The tables below show the proposal titles and the number of reviewers (out of your panel of 30) who gave the proposals each score, 1 (best) through 9 (worst), along with the average score and standard deviation of the scores for each proposal. Hover over each proposal in the first table to view its abstract and see a graph of reviewer scores.

Proposal	Title
Proposal A	Genetic Analyses of Heparan Sulfate Function in Cell-Cell Interactions.
Proposal B	Role of pre-mRNA alternative splicing programs in heart and muscle development.
Proposal C	The Role of MicroRNAs in Vertebrate Development.
Proposal D	Cell cycle regulation by protein phosphatase 2A.
Proposal E	Characterizing mechanisms of transcriptional activation using live cell imaging.
Proposal F	Regulation of prostate epithelial basal cell plasticity.
Proposal G	Functional and Pharmacological Implications of mGluR Heteromerization.
Proposal H	Genetics of secretion in yeast.
Proposal I	Pathways that integrate cell growth with the cell cycle.
Proposal J	Structural Studies of the Autophagic Ubiquitin-Like Proteins.

Remaining Budget: $8 million

Number of Reviewers per Score and Proposal Score Statistics

Score	Proposal A	Proposal B	Proposal C	Proposal D	Proposal E	Proposal F	Proposal G
1 (Best)	6	9	3	9	3	9	9
2		9	6	9	6	9	9
3	6	6	6	6	6	6	6
4	1	1	1	1	1		
5	12	3	6	3	6	3	3
6	1		3	2			
7	2		2		2	1	
8	1	1	2		1	1	2
9 (Worst)	1	1	1		5	1	1
Average Score	4.17	2.70	4.13	2.53	4.47	2.80	2.83
Standard Deviation	2.15	2.00	2.27	1.55	2.73	2.14	2.21
Portfolio Selection	[%CHECKSELECT("PortfolioB1_S1",1);%]	[%CHECKSELECT("PortfolioB1_S1",2);%]	[%CHECKSELECT("PortfolioB1_S1",3);%]	[%CHECKSELECT("PortfolioB1_S1",4);%]	[%CHECKSELECT("PortfolioB1_S1",5);%]	[%CHECKSELECT("PortfolioB1_S1",6);%]	[%CHECKSELECT("PortfolioB1_S1

If funding were slashed so that you had to *drop one project* from your portfolio, which would you *drop*?

	Proposal A	Proposal B	Proposal C	Proposal D	Proposal E	Proposal F
Project you would *drop* from portfolio.	[%CHECKSELECT("PortfolioBDrop1_S1",1);%]	[%CHECKSELECT("PortfolioBDrop1_S1",2);%]	[%CHECKSELECT("PortfolioBDrop1_S1",3);%]	[%CHECKSELECT("PortfolioBDrop1_S1",4);%]	[%CHECKSELECT("PortfolioBDrop1_S1",5);%]	[%CHECKSELECT("PortfolioBDrop1_S1",6);%]	[%CH

If funding were expanded so that you had to *add one more project* to your portfolio, which would you *add*?

	Proposal A	Proposal B	Proposal C	Proposal D	Proposal E	Proposal F
Project you would *add* to portfolio.	[%CHECKSELECT("PortfolioBAdd1_S1",1);%]	[%CHECKSELECT("PortfolioBAdd1_S1",2);%]	[%CHECKSELECT("PortfolioBAdd1_S1",3);%]	[%CHECKSELECT("PortfolioBAdd1_S1",4);%]	[%CHECKSELECT("PortfolioBAdd1_S1",5);%]	[%CHECKSELECT("PortfolioBAdd1_S1",6);%]	[%CHECKS

0% 100%

Instructions

In the next two questions, you will be asked to put together a portfolio of research project proposals to fund. Your role is that of a program director with limited funds for funding projects.

- In each of the two questions, you will be asked to consider sets of ten research project proposals (denoted A through J).

- Each proposal has received a rating on a scale from 1 to 9 (with 1 being the top rating) by 30 scientific experts on your advisory board, all of whom are unaffiliated with the projects under consideration.

- For each set of ten proposals, you will be provided with two tables of information to help in your funding decision. In the first table, you will be provided the titles of each proposal. You can also review the individual proposal abstract and a graph of the reviewer scores by hovering over the proposal you are interested in.

- In the second table, you will be provided information on the scoring of each proposal. Each column represents one proposal, with the value in each row referring to the number of reviewers who gave that score to the proposal. The average of the reviewers' scores for each proposal and the standard deviation are also displayed toward the bottom of each proposal's column.

- After considering the abstracts and scoring information, you will be asked to indicate which of the ten proposals you would like to fund with your limited budget. Remember that you need not be constrained by current NIH funding rules and thus should feel free to use any information that you deem relevant to make your funding decisions.

- Each proposal has the same cost, which is displayed along with your budget. The budget of the portfolio will influence what research projects you are able to fund. The portfolio you choose must cost the same or less than your total budget. Any leftover funds from each question will be returned to NIH headquarters and will be unavailable for project funding by this study section.

- The order in which proposals appear has been randomized.

0% ▮▮▮▮ ▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮ 100%

Question 1

Your NIH program budget to fund this portfolio of proposals is $8 million dollars and the cost of each proposal is $2 million dollars.

Check the boxes of the projects you would like to fund located below each proposal. As you enter proposals, the costs of each one will be subtracted from your NIH program budget and your remaining funds will be displayed. Due to your budget, you may not be able to fund all desired projects. You can swap proposals in and out by selecting and unselecting boxes until you are satisfied with your choices.

The tables below show the proposal titles and the number of reviewers (out of your panel of 30) who gave the proposals each score, 1 (best) through 9 (worst), along with the average score and standard deviation of the scores for each proposal. Hover over each proposal in the first table to view its abstract and see a graph of reviewer scores.

Proposal	Title
Proposal A	Bringing CLARITY to EAE.
Proposal B	Congenital Myasthenic Syndromes.
Proposal C	Mechanisms Regulating Cerebral Arteriogenesis and Neurorestoration.
Proposal D	Mechanisms of cognitive deficits after seizures in rats with brain malformations.
Proposal E	Neuregulin-1 decreases endothelial hyper-permeability and microthrombosis after traumatic brain injury.
Proposal F	Doublecortin in Neuronal Migration.
Proposal G	Anesthesia-induced learning deficiency and brain hyperoxia.
Proposal H	Mapping Brain Structure to Function in Euthymic Subjects with Bipolar Disorder.
Proposal I	A High Content Screening Approach for the Retinal Degenerative Diseases.
Proposal J	CB1 Receptor PET Imaging Reveals Gender Differences in PTSD.

Remaining Budget: $8 million

Number of Reviewers per Score and Proposal Score Statistics

Score	Proposal A	Proposal B	Proposal C	Proposal D	Proposal E	Proposal F	Proposal G
1 (Best)	15	9		9			
2		6	15	6		9	15
3		6		6	30	6	
4	2					2	
5		6	15	6		3	15
6	5			1		2	
7	1	1				1	
8	5	1				2	
9 (Worst)	2	1		2		5	
Average Score	3.93	3.10	3.50	3.10	3.00	4.63	3.50
Standard Deviation	3.18	2.22	1.53	2.25	0.00	2.67	1.53
Portfolio Selection	[%CHECKSELECT("PortfolioA2_S1",1);%]	[%CHECKSELECT("PortfolioA2_S1",2);%]	[%CHECKSELECT("PortfolioA2_S1",3);%]	[%CHECKSELECT("PortfolioA2_S1",4);%]	[%CHECKSELECT("PortfolioA2_S1",5);%]	[%CHECKSELECT("PortfolioA2_S1",6);%]	[%CHECKSELECT("PortfolioA2_S1

If funding were slashed so that you had to **drop one project** from your portfolio, which would you **drop**?

	Proposal A	Proposal B	Proposal C	Proposal D	Proposal E	Proposal F	
Project you would **drop** from portfolio.	[%CHECKSELECT("PortfolioADrop2_S1",1);%]	[%CHECKSELECT("PortfolioADrop2_S1",2);%]	[%CHECKSELECT("PortfolioADrop2_S1",3);%]	[%CHECKSELECT("PortfolioADrop2_S1",4);%]	[%CHECKSELECT("PortfolioADrop2_S1",5);%]	[%CHECKSELECT("PortfolioADrop2_S1",6);%]	[%CH

If funding were expanded so that you had to **add one more project** to your portfolio, which would you **add**?

	Proposal A	Proposal B	Proposal C	Proposal D	Proposal E	Proposal F	
Project you would **add** to portfolio.	[%CHECKSELECT("PortfolioAAdd2_S1",1);%]	[%CHECKSELECT("PortfolioAAdd2_S1",2);%]	[%CHECKSELECT("PortfolioAAdd2_S1",3);%]	[%CHECKSELECT("PortfolioAAdd2_S1",4);%]	[%CHECKSELECT("PortfolioAAdd2_S1",5);%]	[%CHECKSELECT("PortfolioAAdd2_S1",6);%]	[%CHECKS

0% ▮▮▮▮ 100%

Question 2

Please repeat the exercise from the previous question for a **<u>new</u>** set of research projects, which received a **<u>different</u>** set of scores from your science advisory panel.

0% ▰▰▰▰▱▱▱▱▱▱▱▱▱▱▱▱▱▱ 100%

Question 2

Your NIH program budget to fund this portfolio of proposals is $8 million dollars and the cost of each proposal is $2 million dollars.

Check the boxes of the projects you would like to fund located below each proposal. As you enter proposals, the costs of each one will be subtracted from your NIH program budget and your remaining funds will be displayed. Due to your budget, you may not be able to fund all desired projects. You can swap proposals in and out by selecting and unselecting boxes until you are satisfied with your choices.

The tables below show the proposal titles and the number of reviewers (out of your panel of 30) who gave the proposals each score, 1 (best) through 9 (worst), along with the average score and standard deviation of the scores for each proposal. Hover over each proposal in the first table to view its abstract and see a graph of reviewer scores.

Proposal	Title
Proposal A	Genetic Analyses of Heparan Sulfate Function in Cell-Cell Interactions.
Proposal B	Role of pre-mRNA alternative splicing programs in heart and muscle development.
Proposal C	The Role of MicroRNAs in Vertebrate Development.
Proposal D	Cell cycle regulation by protein phosphatase 2A.
Proposal E	Characterizing mechanisms of transcriptional activation using live cell imaging.
Proposal F	Regulation of prostate epithelial basal cell plasticity.
Proposal G	Functional and Pharmacological Implications of mGluR Heteromerization.
Proposal H	Genetics of secretion in yeast.
Proposal I	Pathways that integrate cell growth with the cell cycle.
Proposal J	Structural Studies of the Autophagic Ubiquitin-Like Proteins.

Remaining Budget: $8 million

Number of Reviewers per Score and Proposal Score Statistics

Score	Proposal A	Proposal B	Proposal C	Proposal D	Proposal E	Proposal F	Proposal G
1 (Best)	6	9		6	6	12	6
2	6	6	9	6	6		6
3	6	6	6	6	6	6	6
4	2	1			3		
5	6	6	3	6	6	12	6
6			4	2			2
7	1		6	3	1		1
8	2	2			1		1
9 (Worst)	1		2	1	1		2
Average Score	3.53	2.97	4.50	3.60	3.40	3.00	3.70
Standard Deviation	2.27	2.01	2.33	2.24	2.11	1.82	2.42
Portfolio Selection	[%CHECKSELECT("PortfolioB2_S1",1);%]	[%CHECKSELECT("PortfolioB2_S1",2);%]	[%CHECKSELECT("PortfolioB2_S1",3);%]	[%CHECKSELECT("PortfolioB2_S1",4);%]	[%CHECKSELECT("PortfolioB2_S1",5);%]	[%CHECKSELECT("PortfolioB2_S1",6);%]	[%CHECKSELECT("PortfolioB2_S1

If funding were slashed so that you had to **drop one project** from your portfolio, which would you **drop**?

	Proposal A	Proposal B	Proposal C	Proposal D	Proposal E	Proposal F
Project you would **drop** from portfolio.	[%CHECKSELECT("PortfolioBDrop2_S1",1);%]	[%CHECKSELECT("PortfolioBDrop2_S1",2);%]	[%CHECKSELECT("PortfolioBDrop2_S1",3);%]	[%CHECKSELECT("PortfolioBDrop2_S1",4);%]	[%CHECKSELECT("PortfolioBDrop2_S1",5);%]	[%CHECKSELECT("PortfolioBDrop2_S1",6);%]	[%CH

If funding were expanded so that you had to **add one more project** to your portfolio, which would you **add**?

	Proposal A	Proposal B	Proposal C	Proposal D	Proposal E	Proposal F
Project you would **add** to portfolio.	[%CHECKSELECT("PortfolioBAdd2_S1",1);%]	[%CHECKSELECT("PortfolioBAdd2_S1",2);%]	[%CHECKSELECT("PortfolioBAdd2_S1",3);%]	[%CHECKSELECT("PortfolioBAdd2_S1",4);%]	[%CHECKSELECT("PortfolioBAdd2_S1",5);%]	[%CHECKSELECT("PortfolioBAdd2_S1",6);%]	[%CHECKS

0% ▮▮▮▮ 100%

Instructions

In the next two questions, you will be asked to put together a portfolio of research project proposals to fund. Your role is that of a program director with limited funds for funding projects.

- In each of the two questions, you will be asked to consider sets of ten research project proposals (denoted A through J).

- Each proposal has received a rating on a scale from 1 to 9 (with 1 being the top rating) by 30 scientific experts on your advisory board, all of whom are unaffiliated with the projects under consideration.

- For each set of ten proposals, you will be provided with two tables of information to help in your funding decision. In the first table, you will be provided the titles of each proposal. You can also review the individual proposal abstract and a graph of the reviewer scores by hovering over the proposal you are interested in.

- In the second table, you will be provided information on the scoring of each proposal. Each column represents one proposal, with the value in each row referring to the number of reviewers who gave that score to the proposal. The average of the reviewers' scores for each proposal and the standard deviation are also displayed toward the bottom of each proposal's column.

- After considering the abstracts and scoring information, you will be asked to indicate which of the ten proposals you would like to fund with your limited budget. Remember that you need not be constrained by current NIH funding rules and thus should feel free to use any information that you deem relevant to make your funding decisions.

- Each proposal has the same cost, which is displayed along with your budget. The budget of the portfolio will influence what research projects you are able to fund. The portfolio you choose must cost the same or less than your total budget. Any leftover funds from each question will be returned to NIH headquarters and will be unavailable for project funding by this study section.

- The order in which proposals appear has been randomized.

0% 100%

Question 1

Your NIH program budget to fund this portfolio of proposals is $8 million dollars and the cost of each proposal is $2 million dollars.

Check the boxes of the projects you would like to fund located below each proposal. As you enter proposals, the costs of each one will be subtracted from your NIH program budget and your remaining funds will be displayed. Due to your budget, you may not be able to fund all desired projects. You can swap proposals in and out by selecting and unselecting boxes until you are satisfied with your choices.

The tables below show the proposal titles and the number of reviewers (out of your panel of 30) who gave the proposals each score, 1 (best) through 9 (worst), along with the average score and standard deviation of the scores for each proposal. Hover over each proposal in the first table to view its abstract and see a graph of reviewer scores.

Proposal	Title
Proposal A	Bringing CLARITY to EAE.
Proposal B	Congenital Myasthenic Syndromes.
Proposal C	Mechanisms Regulating Cerebral Arteriogenesis and Neurorestoration.
Proposal D	Mechanisms of cognitive deficits after seizures in rats with brain malformations.
Proposal E	Neuregulin-1 decreases endothelial hyper-permeability and microthrombosis after traumatic brain injury.
Proposal F	Doublecortin in Neuronal Migration.
Proposal G	Anesthesia-induced learning deficiency and brain hyperoxia.
Proposal H	Mapping Brain Structure to Function in Euthymic Subjects with Bipolar Disorder.
Proposal I	A High Content Screening Approach for the Retinal Degenerative Diseases.
Proposal J	CB1 Receptor PET Imaging Reveals Gender Differences in PTSD.

Remaining Budget: $8 million

Number of Reviewers per Score and Proposal Score Statistics

Score	Proposal A	Proposal B	Proposal C	Proposal D	Proposal E	Proposal F	Proposal G
1 (Best)	15	9		9			
2		6	15	6		9	15
3		6		6	30	6	
4	2					2	
5		6	15	6		3	15
6	5			1		2	
7	1	1				1	
8	5	1				2	
9 (Worst)	2	1		2		5	
Average Score	3.93	3.10	3.50	3.10	3.00	4.63	3.50
Standard Deviation	3.18	2.22	1.53	2.25	0.00	2.67	1.53
Portfolio Selection	[%CHECKSELECT("PortfolioA3_S1",1);%]	[%CHECKSELECT("PortfolioA3_S1",2);%]	[%CHECKSELECT("PortfolioA3_S1",3);%]	[%CHECKSELECT("PortfolioA3_S1",4);%]	[%CHECKSELECT("PortfolioA3_S1",5);%]	[%CHECKSELECT("PortfolioA3_S1",6);%]	[%CHECKSELECT("PortfolioA3_S1

If funding were slashed so that you had to **drop one project** from your portfolio, which would you **drop**?

	Proposal A	Proposal B	Proposal C	Proposal D	Proposal E	Proposal F
Project you would **drop** from portfolio.	[%CHECKSELECT("PortfolioADrop3_S1",1);%]	[%CHECKSELECT("PortfolioADrop3_S1",2);%]	[%CHECKSELECT("PortfolioADrop3_S1",3);%]	[%CHECKSELECT("PortfolioADrop3_S1",4);%]	[%CHECKSELECT("PortfolioADrop3_S1",5);%]	[%CHECKSELECT("PortfolioADrop3_S1",6);%]	[%CH

If funding were expanded so that you had to **add one more project** to your portfolio, which would you **add**?

	Proposal A	Proposal B	Proposal C	Proposal D	Proposal E	Proposal F
Project you would **add** to portfolio.	[%CHECKSELECT("PortfolioAAdd3_S1",1);%]	[%CHECKSELECT("PortfolioAAdd3_S1",2);%]	[%CHECKSELECT("PortfolioAAdd3_S1",3);%]	[%CHECKSELECT("PortfolioAAdd3_S1",4);%]	[%CHECKSELECT("PortfolioAAdd3_S1",5);%]	[%CHECKSELECT("PortfolioAAdd3_S1",6);%]	[%CHECKS

0% 100%

Question 2

Please repeat the exercise from the previous question for a **<u>new</u>** set of research projects, which received a **<u>different</u>** set of scores from your science advisory panel.

0% ▮▮▮▮▮▮▮▮▮▮▮▮▮ 100%

Question 2

Your NIH program budget to fund this portfolio of proposals is $8 million dollars and the cost of each proposal is $2 million dollars.

Check the boxes of the projects you would like to fund located below each proposal. As you enter proposals, the costs of each one will be subtracted from your NIH program budget and your remaining funds will be displayed. Due to your budget, you may not be able to fund all desired projects. You can swap proposals in and out by selecting and unselecting boxes until you are satisfied with your choices.

The tables below show the proposal titles and the number of reviewers (out of your panel of 30) who gave the proposals each score, 1 (best) through 9 (worst), along with the average score and standard deviation of the scores for each proposal. Hover over each proposal in the first table to view its abstract and see a graph of reviewer scores.

Proposal	Title
Proposal A	Genetic Analyses of Heparan Sulfate Function in Cell-Cell Interactions.
Proposal B	Role of pre-mRNA alternative splicing programs in heart and muscle development.
Proposal C	The Role of MicroRNAs in Vertebrate Development.
Proposal D	Cell cycle regulation by protein phosphatase 2A.
Proposal E	Characterizing mechanisms of transcriptional activation using live cell imaging.
Proposal F	Regulation of prostate epithelial basal cell plasticity.
Proposal G	Functional and Pharmacological Implications of mGluR Heteromerization.
Proposal H	Genetics of secretion in yeast.
Proposal I	Pathways that integrate cell growth with the cell cycle.
Proposal J	Structural Studies of the Autophagic Ubiquitin-Like Proteins.

Remaining Budget: $8 million

Number of Reviewers per Score and Proposal Score Statistics

Score	Proposal A	Proposal B	Proposal C	Proposal D	Proposal E	Proposal F	Proposal G
1 (Best)	9	6	6	3	6	6	6
2	9	6	6	6	6		6
3	6	6	6	6	6	6	6
4		2	1	4		1	2
5	3	6	6	6	6	12	6
6		2	1	1	2		2
7			2	2		4	2
8	1		1	2	4	1	
9 (Worst)	2	2	1	2			
Average Score	2.87	3.47	3.57	3.97	3.67	4.13	3.33
Standard Deviation	2.30	2.19	2.25	2.27	2.34	2.06	1.88
Portfolio Selection	[%CHECKSELECT("PortfolioB3_S1",1);%]	[%CHECKSELECT("PortfolioB3_S1",2);%]	[%CHECKSELECT("PortfolioB3_S1",3);%]	[%CHECKSELECT("PortfolioB3_S1",4);%]	[%CHECKSELECT("PortfolioB3_S1",5);%]	[%CHECKSELECT("PortfolioB3_S1",6);%]	[%CHECKSELECT("PortfolioB3_S1

If funding were slashed so that you had to **drop one project** from your portfolio, which would you **drop**?

	Proposal A	Proposal B	Proposal C	Proposal D	Proposal E	Proposal F	
Project you would **drop** from portfolio.	[%CHECKSELECT("PortfolioBDrop3_S1",1);%]	[%CHECKSELECT("PortfolioBDrop3_S1",2);%]	[%CHECKSELECT("PortfolioBDrop3_S1",3);%]	[%CHECKSELECT("PortfolioBDrop3_S1",4);%]	[%CHECKSELECT("PortfolioBDrop3_S1",5);%]	[%CHECKSELECT("PortfolioBDrop3_S1",6);%]	[%CH

If funding were expanded so that you had to **add one more project** to your portfolio, which would you **add**?

	Proposal A	Proposal B	Proposal C	Proposal D	Proposal E	Proposal F	
Project you would **add** to portfolio.	[%CHECKSELECT("PortfolioBAdd3_S1",1);%]	[%CHECKSELECT("PortfolioBAdd3_S1",2);%]	[%CHECKSELECT("PortfolioBAdd3_S1",3);%]	[%CHECKSELECT("PortfolioBAdd3_S1",4);%]	[%CHECKSELECT("PortfolioBAdd3_S1",5);%]	[%CHECKSELECT("PortfolioBAdd3_S1",6);%]	[%CHECKS

0% 100%

Instructions

In the next two questions, you will be asked to put together a portfolio of research project proposals to fund. Your role is that of a program director with limited funds for funding projects.

- In each of the two questions, you will be asked to consider sets of ten research project proposals (denoted A through J).

- Each proposal has received a rating on a scale from 1 to 9 (with 1 being the top rating) by 30 scientific experts on your advisory board, all of whom are unaffiliated with the projects under consideration.

- For each set of ten proposals, you will be provided with two tables of information to help in your funding decision. In the first table, you will be provided the titles of each proposal. You can also review the individual proposal abstract and a graph of the reviewer scores by hovering over the proposal you are interested in.

- In the second table, you will be provided information on the scoring of each proposal. Each column represents one proposal, with the value in each row referring to the number of reviewers who gave that score to the proposal. The average of the reviewers' scores for each proposal and the standard deviation are also displayed toward the bottom of each proposal's column.

- After considering the abstracts and scoring information, you will be asked to indicate which of the ten proposals you would like to fund with your limited budget. Remember that you need not be constrained by current NIH funding rules and thus should feel free to use any information that you deem relevant to make your funding decisions.

- Each proposal has the same cost, which is displayed along with your budget. The budget of the portfolio will influence what research projects you are able to fund. The portfolio you choose must cost the same or less than your total budget. Any leftover funds from each question will be returned to NIH headquarters and will be unavailable for project funding by this study section.

- The order in which proposals appear has been randomized.

0% 100%

Question 1

Your NIH program budget to fund this portfolio of proposals is $8 million dollars and the cost of each proposal is $2 million dollars.

Check the boxes of the projects you would like to fund located below each proposal. As you enter proposals, the costs of each one will be subtracted from your NIH program budget and your remaining funds will be displayed. Due to your budget, you may not be able to fund all desired projects. You can swap proposals in and out by selecting and unselecting boxes until you are satisfied with your choices.

The tables below show the proposal titles and the number of reviewers (out of your panel of 30) who gave the proposals each score, 1 (best) through 9 (worst), along with the average score and standard deviation of the scores for each proposal. Hover over each proposal in the first table to view its abstract and see a graph of reviewer scores.

Proposal	Title
Proposal A	Bringing CLARITY to EAE.
Proposal B	Congenital Myasthenic Syndromes.
Proposal C	Mechanisms Regulating Cerebral Arteriogenesis and Neurorestoration.
Proposal D	Mechanisms of cognitive deficits after seizures in rats with brain malformations.
Proposal E	Neuregulin-1 decreases endothelial hyper-permeability and microthrombosis after traumatic brain injury.
Proposal F	Doublecortin in Neuronal Migration.
Proposal G	Anesthesia-induced learning deficiency and brain hyperoxia.
Proposal H	Mapping Brain Structure to Function in Euthymic Subjects with Bipolar Disorder.
Proposal I	A High Content Screening Approach for the Retinal Degenerative Diseases.
Proposal J	CB1 Receptor PET Imaging Reveals Gender Differences in PTSD.

Remaining Budget: $8 million

Number of Reviewers per Score and Proposal Score Statistics

Score	Proposal A	Proposal B	Proposal C	Proposal D	Proposal E	Proposal F	Proposal G
1 (Best)	15	9		9			
2		6	15	6		9	15
3		6		6	30	6	
4	2					2	
5		6	15	6		3	15
6	5			1		2	
7	1	1				1	
8	5	1				2	
9 (Worst)	2	1		2		5	
Average Score	3.93	3.10	3.50	3.10	3.00	4.63	3.50
Standard Deviation	3.18	2.22	1.53	2.25	0.00	2.67	1.53
Portfolio Selection	[%CHECKSELECT("PortfolioA4_S1",1);%]	[%CHECKSELECT("PortfolioA4_S1",2);%]	[%CHECKSELECT("PortfolioA4_S1",3);%]	[%CHECKSELECT("PortfolioA4_S1",4);%]	[%CHECKSELECT("PortfolioA4_S1",5);%]	[%CHECKSELECT("PortfolioA4_S1",6);%]	[%CHECKSELECT("PortfolioA4_S1

If funding were slashed so that you had to **drop one project** from your portfolio, which would you **drop**?

	Proposal A	Proposal B	Proposal C	Proposal D	Proposal E	Proposal F	
Project you would **drop** from portfolio.	[%CHECKSELECT("PortfolioADrop4_S1",1);%]	[%CHECKSELECT("PortfolioADrop4_S1",2);%]	[%CHECKSELECT("PortfolioADrop4_S1",3);%]	[%CHECKSELECT("PortfolioADrop4_S1",4);%]	[%CHECKSELECT("PortfolioADrop4_S1",5);%]	[%CHECKSELECT("PortfolioADrop4_S1",6);%]	[%CH

If funding were expanded so that you had to **add one more project** to your portfolio, which would you **add**?

	Proposal A	Proposal B	Proposal C	Proposal D	Proposal E	Proposal F	
Project you would **add** to portfolio.	[%CHECKSELECT("PortfolioAAdd4_S1",1);%]	[%CHECKSELECT("PortfolioAAdd4_S1",2);%]	[%CHECKSELECT("PortfolioAAdd4_S1",3);%]	[%CHECKSELECT("PortfolioAAdd4_S1",4);%]	[%CHECKSELECT("PortfolioAAdd4_S1",5);%]	[%CHECKSELECT("PortfolioAAdd4_S1",6);%]	[%CHECKS

0% [======================] 100%

Question 2

Please repeat the exercise from the previous question for a **<u>new</u>** set of research projects, which received a **<u>different</u>** set of scores from your science advisory panel.

0% 100%

Question 2

Your NIH program budget to fund this portfolio of proposals is $8 million dollars and the cost of each proposal is $2 million dollars.

Check the boxes of the projects you would like to fund located below each proposal. As you enter proposals, the costs of each one will be subtracted from your NIH program budget and your remaining funds will be displayed. Due to your budget, you may not be able to fund all desired projects. You can swap proposals in and out by selecting and unselecting boxes until you are satisfied with your choices.

The tables below show the proposal titles and the number of reviewers (out of your panel of 30) who gave the proposals each score, 1 (best) through 9 (worst), along with the average score and standard deviation of the scores for each proposal. Hover over each proposal in the first table to view its abstract and see a graph of reviewer scores.

Proposal	Title
Proposal A	Genetic Analyses of Heparan Sulfate Function in Cell-Cell Interactions.
Proposal B	Role of pre-mRNA alternative splicing programs in heart and muscle development.
Proposal C	The Role of MicroRNAs in Vertebrate Development.
Proposal D	Cell cycle regulation by protein phosphatase 2A.
Proposal E	Characterizing mechanisms of transcriptional activation using live cell imaging.
Proposal F	Regulation of prostate epithelial basal cell plasticity.
Proposal G	Functional and Pharmacological Implications of mGluR Heteromerization.
Proposal H	Genetics of secretion in yeast.
Proposal I	Pathways that integrate cell growth with the cell cycle.
Proposal J	Structural Studies of the Autophagic Ubiquitin-Like Proteins.

Remaining Budget: $8 million

Number of Reviewers per Score and Proposal Score Statistics

Score	Proposal A	Proposal B	Proposal C	Proposal D	Proposal E	Proposal F	Proposal G
1 (Best)	6	9	9	9	9	3	6
2	3	9	12	9	12	6	
3	6	6	6	6	6	6	6
4	2		3	1			2
5	9	3		3		6	12
6	1				1		1
7				2		3	1
8	2	2			2	4	1
9 (Worst)	1	1				2	1
Average Score	3.80	2.83	2.10	2.60	2.43	4.47	4.07
Standard Deviation	2.20	2.21	0.96	1.71	1.83	2.61	2.08
Portfolio Selection	[%CHECKSELECT("PortfolioB4_S1",1);%]	[%CHECKSELECT("PortfolioB4_S1",2);%]	[%CHECKSELECT("PortfolioB4_S1",3);%]	[%CHECKSELECT("PortfolioB4_S1",4);%]	[%CHECKSELECT("PortfolioB4_S1",5);%]	[%CHECKSELECT("PortfolioB4_S1",6);%]	[%CHECKSELECT("PortfolioB4_S1

If funding were slashed so that you had to **drop one project** from your portfolio, which would you **drop**?

	Proposal A	Proposal B	Proposal C	Proposal D	Proposal E	Proposal F	
Project you would **drop** from portfolio.	[%CHECKSELECT("PortfolioBDrop4_S1",1);%]	[%CHECKSELECT("PortfolioBDrop4_S1",2);%]	[%CHECKSELECT("PortfolioBDrop4_S1",3);%]	[%CHECKSELECT("PortfolioBDrop4_S1",4);%]	[%CHECKSELECT("PortfolioBDrop4_S1",5);%]	[%CHECKSELECT("PortfolioBDrop4_S1",6);%]	[%CH

If funding were expanded so that you had to **add one more project** to your portfolio, which would you **add**?

	Proposal A	Proposal B	Proposal C	Proposal D	Proposal E	Proposal F	
Project you would **add** to portfolio.	[%CHECKSELECT("PortfolioBAdd4_S1",1);%]	[%CHECKSELECT("PortfolioBAdd4_S1",2);%]	[%CHECKSELECT("PortfolioBAdd4_S1",3);%]	[%CHECKSELECT("PortfolioBAdd4_S1",4);%]	[%CHECKSELECT("PortfolioBAdd4_S1",5);%]	[%CHECKSELECT("PortfolioBAdd4_S1",6);%]	[%CHECKS

0% ▬▬▬▬▬ 100%

Instructions

In the next two questions, you will be asked to put together a portfolio of research project proposals to fund. Your role is that of a program director with limited funds for funding projects.

- In each of the two questions, you will be asked to consider sets of ten research project proposals (denoted A through J).

- Each proposal has received a rating on a scale from 1 to 9 (with 1 being the top rating) by 30 scientific experts on your advisory board, all of whom are unaffiliated with the projects under consideration.

- For each set of ten proposals, you will be provided with two tables of information to help in your funding decision. In the first table, you will be provided the titles of each proposal. You can also review the individual proposal abstract and a graph of the reviewer scores by hovering over the proposal you are interested in.

- In the second table, you will be provided information on the scoring of each proposal. Each column represents one proposal, with the value in each row referring to the number of reviewers who gave that score to the proposal. The average of the reviewers' scores for each proposal and the standard deviation are also displayed toward the bottom of each proposal's column.

- After considering the abstracts and scoring information, you will be asked to indicate which of the ten proposals you would like to fund with your limited budget. Remember that you need not be constrained by current NIH funding rules and thus should feel free to use any information that you deem relevant to make your funding decisions.

- Each proposal has the same cost, which is displayed along with your budget. The budget of the portfolio will influence what research projects you are able to fund. The portfolio you choose must cost the same or less than your total budget. Any leftover funds from each question will be returned to NIH headquarters and will be unavailable for project funding by this study section.

- The order in which proposals appear has been randomized.

0% 100%

Question 1

Your NIH program budget to fund this portfolio of proposals is $8 million dollars and the cost of each proposal is $2 million dollars.

Check the boxes of the projects you would like to fund located below each proposal. As you enter proposals, the costs of each one will be subtracted from your NIH program budget and your remaining funds will be displayed. Due to your budget, you may not be able to fund all desired projects. You can swap proposals in and out by selecting and unselecting boxes until you are satisfied with your choices.

The tables below show the proposal titles and the number of reviewers (out of your panel of 30) who gave the proposals each score, 1 (best) through 9 (worst), along with the average score and standard deviation of the scores for each proposal. Hover over each proposal in the first table to view its abstract and see a graph of reviewer scores.

Proposal	Title
Proposal A	Bringing CLARITY to EAE.
Proposal B	Congenital Myasthenic Syndromes.
Proposal C	Mechanisms Regulating Cerebral Arteriogenesis and Neurorestoration.
Proposal D	Mechanisms of cognitive deficits after seizures in rats with brain malformations.
Proposal E	Neuregulin-1 decreases endothelial hyper-permeability and microthrombosis after traumatic brain injury.
Proposal F	Doublecortin in Neuronal Migration.
Proposal G	Anesthesia-induced learning deficiency and brain hyperoxia.
Proposal H	Mapping Brain Structure to Function in Euthymic Subjects with Bipolar Disorder.
Proposal I	A High Content Screening Approach for the Retinal Degenerative Diseases.
Proposal J	CB1 Receptor PET Imaging Reveals Gender Differences in PTSD.

Remaining Budget: $8 million

Number of Reviewers per Score and Proposal Score Statistics

Score	Proposal A	Proposal B	Proposal C	Proposal D	Proposal E	Proposal F	Proposal G
1 (Best)	6	9	3	9	3	9	9
2		9	6	9	6	9	9
3	6	6	6	6	6	6	6
4	1	1	1	1	1		
5	12	3	6	3	6	3	3
6	1		3	2			
7	2		2		2	1	
8	1	1	2		1	1	2
9 (Worst)	1	1	1		5	1	1
Average Score	4.17	2.70	4.13	2.53	4.47	2.80	2.83
Standard Deviation	2.15	2.00	2.73	1.55	2.73	2.14	2.21
Portfolio Selection	[%CHECKSELECT("PortfolioAS_S1",1);%]	[%CHECKSELECT("PortfolioAS_S1",2);%]	[%CHECKSELECT("PortfolioAS_S1",3);%]	[%CHECKSELECT("PortfolioAS_S1",4);%]	[%CHECKSELECT("PortfolioAS_S1",5);%]	[%CHECKSELECT("PortfolioAS_S1",6);%]	[%CHECKSELECT("PortfolioAS_S1

If funding were slashed so that you had to **drop one project** from your portfolio, which would you **drop**?

	Proposal A	Proposal B	Proposal C	Proposal D	Proposal E	Proposal F	
Project you would **drop** from portfolio.	[%CHECKSELECT("PortfolioADrop5_S1",1);%]	[%CHECKSELECT("PortfolioADrop5_S1",2);%]	[%CHECKSELECT("PortfolioADrop5_S1",3);%]	[%CHECKSELECT("PortfolioADrop5_S1",4);%]	[%CHECKSELECT("PortfolioADrop5_S1",5);%]	[%CHECKSELECT("PortfolioADrop5_S1",6);%]	[%CH

If funding were expanded so that you had to **add one more project** to your portfolio, which would you **add**?

	Proposal A	Proposal B	Proposal C	Proposal D	Proposal E	Proposal F	
Project you would **add** to portfolio.	[%CHECKSELECT("PortfolioAAdd5_S1",1);%]	[%CHECKSELECT("PortfolioAAdd5_S1",2);%]	[%CHECKSELECT("PortfolioAAdd5_S1",3);%]	[%CHECKSELECT("PortfolioAAdd5_S1",4);%]	[%CHECKSELECT("PortfolioAAdd5_S1",5);%]	[%CHECKSELECT("PortfolioAAdd5_S1",6);%]	[%CHECKS

0% 100%

Question 2

Please repeat the exercise from the previous question for a **_new_** set of research projects, which received a **_different_** set of scores from your science advisory panel.

0% ▮▮▮▮▮▮▮▮ 100%

Question 2

Your NIH program budget to fund this portfolio of proposals is $8 million dollars and the cost of each proposal is $2 million dollars.

Check the boxes of the projects you would like to fund located below each proposal. As you enter proposals, the costs of each one will be subtracted from your NIH program budget and your remaining funds will be displayed. Due to your budget, you may not be able to fund all desired projects. You can swap proposals in and out by selecting and unselecting boxes until you are satisfied with your choices.

The tables below show the proposal titles and the number of reviewers (out of your panel of 30) who gave the proposals each score, 1 (best) through 9 (worst), along with the average score and standard deviation of the scores for each proposal. Hover over each proposal in the first table to view its abstract and see a graph of reviewer scores.

Proposal	Title
Proposal A	Genetic Analyses of Heparan Sulfate Function in Cell-Cell Interactions.
Proposal B	Role of pre-mRNA alternative splicing programs in heart and muscle development.
Proposal C	The Role of MicroRNAs in Vertebrate Development.
Proposal D	Cell cycle regulation by protein phosphatase 2A.
Proposal E	Characterizing mechanisms of transcriptional activation using live cell imaging.
Proposal F	Regulation of prostate epithelial basal cell plasticity.
Proposal G	Functional and Pharmacological Implications of mGluR Heteromerization.
Proposal H	Genetics of secretion in yeast.
Proposal I	Pathways that integrate cell growth with the cell cycle.
Proposal J	Structural Studies of the Autophagic Ubiquitin-Like Proteins.

Remaining Budget: $8 million

Number of Reviewers per Score and Proposal Score Statistics

Score	Proposal A	Proposal B	Proposal C	Proposal D	Proposal E	Proposal F	Proposal G
1 (Best)	6	9		6	6	12	6
2	6	6	9	6	6		6
3	6	6	6	6	6	6	6
4	2	1			3		
5	6	6	3	6	6	12	6
6		6	4	2			2
7	1		6	3	1		1
8	2	2			1		1
9 (Worst)	1		2	1	1		2
Average Score	3.53	2.97	4.50	3.60	3.40	3.00	3.70
Standard Deviation	2.27	2.01	2.33	2.24	2.11	1.82	2.42
Portfolio Selection	[%CHECKSELECT("PortfolioBS_S1",1);%]	[%CHECKSELECT("PortfolioBS_S1",2);%]	[%CHECKSELECT("PortfolioBS_S1",3);%]	[%CHECKSELECT("PortfolioBS_S1",4);%]	[%CHECKSELECT("PortfolioBS_S1",5);%]	[%CHECKSELECT("PortfolioBS_S1",6);%]	[%CHECKSELECT("PortfolioBS_S1

If funding were slashed so that you had to **drop one project** from your portfolio, which would you **drop**?

	Proposal A	Proposal B	Proposal C	Proposal D	Proposal E	Proposal F
Project you would **drop** from portfolio.	[%CHECKSELECT("PortfolioBDrop5_S1",1);%]	[%CHECKSELECT("PortfolioBDrop5_S1",2);%]	[%CHECKSELECT("PortfolioBDrop5_S1",3);%]	[%CHECKSELECT("PortfolioBDrop5_S1",4);%]	[%CHECKSELECT("PortfolioBDrop5_S1",5);%]	[%CHECKSELECT("PortfolioBDrop5_S1",6);%]	[%CH

If funding were expanded so that you had to **add one more project** to your portfolio, which would you **add**?

	Proposal A	Proposal B	Proposal C	Proposal D	Proposal E	Proposal F
Project you would **add** to portfolio.	[%CHECKSELECT("PortfolioBAdd5_S1",1);%]	[%CHECKSELECT("PortfolioBAdd5_S1",2);%]	[%CHECKSELECT("PortfolioBAdd5_S1",3);%]	[%CHECKSELECT("PortfolioBAdd5_S1",4);%]	[%CHECKSELECT("PortfolioBAdd5_S1",5);%]	[%CHECKSELECT("PortfolioBAdd5_S1",6);%]	[%CHECKS

0% 100%

Instructions

In the next two questions, you will be asked to put together a portfolio of research project proposals to fund. Your role is that of a program director with limited funds for funding projects.

- In each of the two questions, you will be asked to consider sets of ten research project proposals (denoted A through J).
- Each proposal has received a rating on a scale from 1 to 9 (with 1 being the top rating) by 30 scientific experts on your advisory board, all of whom are unaffiliated with the projects under consideration.
- For each set of ten proposals, you will be provided with two tables of information to help in your funding decision. In the first table, you will be provided the titles of each proposal. You can also review the individual proposal abstract and a graph of the reviewer scores by hovering over the proposal you are interested in.
- In the second table, you will be provided information on the scoring of each proposal. Each column represents one proposal, with the value in each row referring to the number of reviewers who gave that score to the proposal. The average of the reviewers' scores for each proposal and the standard deviation are also displayed toward the bottom of each proposal's column.
- After considering the abstracts and scoring information, you will be asked to indicate which of the ten proposals you would like to fund with your limited budget. Remember that you need not be constrained by current NIH funding rules and thus should feel free to use any information that you deem relevant to make your funding decisions.
- Each proposal has the same cost, which is displayed along with your budget. The budget of the portfolio will influence what research projects you are able to fund. The portfolio you choose must cost the same or less than your total budget. Any leftover funds from each question will be returned to NIH headquarters and will be unavailable for project funding by this study section.
- The order in which proposals appear has been randomized.

0% █████████░░░░░░░░░░░ 100%

Question 1

Your NIH program budget to fund this portfolio of proposals is $8 million dollars and the cost of each proposal is $2 million dollars.

Check the boxes of the projects you would like to fund located below each proposal. As you enter proposals, the costs of each one will be subtracted from your NIH program budget and your remaining funds will be displayed. Due to your budget, you may not be able to fund all desired projects. You can swap proposals in and out by selecting and unselecting boxes until you are satisfied with your choices.

The tables below show the proposal titles and the number of reviewers (out of your panel of 30) who gave the proposals each score, 1 (best) through 9 (worst), along with the average score and standard deviation of the scores for each proposal. Hover over each proposal in the first table to view its abstract and see a graph of reviewer scores.

Proposal	Title
Proposal A	Bringing CLARITY to EAE.
Proposal B	Congenital Myasthenic Syndromes.
Proposal C	Mechanisms Regulating Cerebral Arteriogenesis and Neurorestoration.
Proposal D	Mechanisms of cognitive deficits after seizures in rats with brain malformations.
Proposal E	Neuregulin-1 decreases endothelial hyper-permeability and microthrombosis after traumatic brain injury.
Proposal F	Doublecortin in Neuronal Migration.
Proposal G	Anesthesia-induced learning deficiency and brain hyperoxia.
Proposal H	Mapping Brain Structure to Function in Euthymic Subjects with Bipolar Disorder.
Proposal I	A High Content Screening Approach for the Retinal Degenerative Diseases.
Proposal J	CB1 Receptor PET Imaging Reveals Gender Differences in PTSD.

Remaining Budget: $8 million

Number of Reviewers per Score and Proposal Score Statistics

Score	Proposal A	Proposal B	Proposal C	Proposal D	Proposal E	Proposal F	Proposal G
1 (Best)	6	9	3	9	3	9	9
2		9	6	9	6	9	9
3	6	6	6	6	6	6	6
4	1	1	1	1	1		
5	12	3	6	3	6	3	3
6	1		3		2		
7	2		2		2	1	
8	1	1	2		1	1	2
9 (Worst)	1	1	1		5	1	1
Average Score	4.17	2.70	4.13	2.53	4.47	2.80	2.83
Standard Deviation	2.15	2.00	2.27	1.55	2.73	2.14	2.21
Portfolio Selection	[%CHECKSELECT("PortfolioA6_S1",1);%]	[%CHECKSELECT("PortfolioA6_S1",2);%]	[%CHECKSELECT("PortfolioA6_S1",3);%]	[%CHECKSELECT("PortfolioA6_S1",4);%]	[%CHECKSELECT("PortfolioA6_S1",5);%]	[%CHECKSELECT("PortfolioA6_S1",6);%]	[%CHECKSELECT("PortfolioA6_S1

If funding were slashed so that you had to **drop one project** from your portfolio, which would you **drop**?

	Proposal A	Proposal B	Proposal C	Proposal D	Proposal E	Proposal F
Project you would **drop** from portfolio.	[%CHECKSELECT("PortfolioADrop6_S1",1);%]	[%CHECKSELECT("PortfolioADrop6_S1",2);%]	[%CHECKSELECT("PortfolioADrop6_S1",3);%]	[%CHECKSELECT("PortfolioADrop6_S1",4);%]	[%CHECKSELECT("PortfolioADrop6_S1",5);%]	[%CHECKSELECT("PortfolioADrop6_S1",6);%]	[%CH

If funding were expanded so that you had to **add one more project** to your portfolio, which would you **add**?

	Proposal A	Proposal B	Proposal C	Proposal D	Proposal E	Proposal F
Project you would **add** to portfolio.	[%CHECKSELECT("PortfolioAAdd6_S1",1);%]	[%CHECKSELECT("PortfolioAAdd6_S1",2);%]	[%CHECKSELECT("PortfolioAAdd6_S1",3);%]	[%CHECKSELECT("PortfolioAAdd6_S1",4);%]	[%CHECKSELECT("PortfolioAAdd6_S1",5);%]	[%CHECKSELECT("PortfolioAAdd6_S1",6);%]	[%CHECKS

0% ▓▓▓▓▓▓▓▓ 100%

Question 2

Please repeat the exercise from the previous question for a **<u>new</u>** set of research projects, which received a **<u>different</u>** set of scores from your science advisory panel.

0% ▬▬▬▬▬▬▬▬ 100%

Question 2

Your NIH program budget to fund this portfolio of proposals is $8 million dollars and the cost of each proposal is $2 million dollars.

Check the boxes of the projects you would like to fund located below each proposal. As you enter proposals, the costs of each one will be subtracted from your NIH program budget and your remaining funds will be displayed. Due to your budget, you may not be able to fund all desired projects. You can swap proposals in and out by selecting and unselecting boxes until you are satisfied with your choices.

The tables below show the proposal titles and the number of reviewers (out of your panel of 30) who gave the proposals each score, 1 (best) through 9 (worst), along with the average score and standard deviation of the scores for each proposal. Hover over each proposal in the first table to view its abstract and see a graph of reviewer scores.

Proposal	Title
Proposal A	Genetic Analyses of Heparan Sulfate Function in Cell-Cell Interactions.
Proposal B	Role of pre-mRNA alternative splicing programs in heart and muscle development.
Proposal C	The Role of MicroRNAs in Vertebrate Development.
Proposal D	Cell cycle regulation by protein phosphatase 2A.
Proposal E	Characterizing mechanisms of transcriptional activation using live cell imaging.
Proposal F	Regulation of prostate epithelial basal cell plasticity.
Proposal G	Functional and Pharmacological Implications of mGluR Heteromerization.
Proposal H	Genetics of secretion in yeast.
Proposal I	Pathways that integrate cell growth with the cell cycle.
Proposal J	Structural Studies of the Autophagic Ubiquitin-Like Proteins.

Remaining Budget: $8 million

Number of Reviewers per Score and Proposal Score Statistics

Score	Proposal A	Proposal B	Proposal C	Proposal D	Proposal E	Proposal F	Proposal G
1 (Best)	9	6	6	3	6	6	6
2	9	6	6	6	6		6
3	6	6	6	6	6	6	6
4		2	1	4		1	2
5	3	6	6	6	6	12	6
6		2	1	1	2		2
7			2			4	2
8	1		1	2	4	1	
9 (Worst)	2	2	1	2			
Average Score	2.87	3.47	3.57	3.97	3.67	4.13	3.33
Standard Deviation	2.30	2.19	2.25	2.27	2.34	2.06	1.88
Portfolio Selection	[%CHECKSELECT("PortfolioB6_S1",1);%]	[%CHECKSELECT("PortfolioB6_S1",2);%]	[%CHECKSELECT("PortfolioB6_S1",3);%]	[%CHECKSELECT("PortfolioB6_S1",4);%]	[%CHECKSELECT("PortfolioB6_S1",5);%]	[%CHECKSELECT("PortfolioB6_S1",6);%]	[%CHECKSELECT("PortfolioB6_S1

If funding were slashed so that you had to **drop one project** from your portfolio, which would you **drop**?

	Proposal A	Proposal B	Proposal C	Proposal D	Proposal E	Proposal F
Project you would **drop** from portfolio.	[%CHECKSELECT("PortfolioBDrop6_S1",1);%]	[%CHECKSELECT("PortfolioBDrop6_S1",2);%]	[%CHECKSELECT("PortfolioBDrop6_S1",3);%]	[%CHECKSELECT("PortfolioBDrop6_S1",4);%]	[%CHECKSELECT("PortfolioBDrop6_S1",5);%]	[%CHECKSELECT("PortfolioBDrop6_S1",6);%]	[%CH

If funding were expanded so that you had to **add one more project** to your portfolio, which would you **add**?

	Proposal A	Proposal B	Proposal C	Proposal D	Proposal E	Proposal F
Project you would **add** to portfolio.	[%CHECKSELECT("PortfolioBAdd6_S1",1);%]	[%CHECKSELECT("PortfolioBAdd6_S1",2);%]	[%CHECKSELECT("PortfolioBAdd6_S1",3);%]	[%CHECKSELECT("PortfolioBAdd6_S1",4);%]	[%CHECKSELECT("PortfolioBAdd6_S1",5);%]	[%CHECKSELECT("PortfolioBAdd6_S1",6);%]	[%CHECKS

0% 100%

Instructions

In the next two questions, you will be asked to put together a portfolio of research project proposals to fund. Your role is that of a program director with limited funds for funding projects.

- In each of the two questions, you will be asked to consider sets of ten research project proposals (denoted A through J).

- Each proposal has received a rating on a scale from 1 to 9 (with 1 being the top rating) by 30 scientific experts on your advisory board, all of whom are unaffiliated with the projects under consideration.

- For each set of ten proposals, you will be provided with two tables of information to help in your funding decision. In the first table, you will be provided the titles of each proposal. You can also review the individual proposal abstract and a graph of the reviewer scores by hovering over the proposal you are interested in.

- In the second table, you will be provided information on the scoring of each proposal. Each column represents one proposal, with the value in each row referring to the number of reviewers who gave that score to the proposal. The average of the reviewers' scores for each proposal and the standard deviation are also displayed toward the bottom of each proposal's column.

- After considering the abstracts and scoring information, you will be asked to indicate which of the ten proposals you would like to fund with your limited budget. Remember that you need not be constrained by current NIH funding rules and thus should feel free to use any information that you deem relevant to make your funding decisions.

- Each proposal has the same cost, which is displayed along with your budget. The budget of the portfolio will influence what research projects you are able to fund. The portfolio you choose must cost the same or less than your total budget. Any leftover funds from each question will be returned to NIH headquarters and will be unavailable for project funding by this study section.

- The order in which proposals appear has been randomized.

0% 100%

Question 1

Your NIH program budget to fund this portfolio of proposals is $8 million dollars and the cost of each proposal is $2 million dollars.

Check the boxes of the projects you would like to fund located below each proposal. As you enter proposals, the costs of each one will be subtracted from your NIH program budget and your remaining funds will be displayed. Due to your budget, you may not be able to fund all desired projects. You can swap proposals in and out by selecting and unselecting boxes until you are satisfied with your choices.

The tables below show the proposal titles and the number of reviewers (out of your panel of 30) who gave the proposals each score, 1 (best) through 9 (worst), along with the average score and standard deviation of the scores for each proposal. Hover over each proposal in the first table to view its abstract and see a graph of reviewer scores.

Proposal	Title
Proposal A	Bringing CLARITY to EAE.
Proposal B	Congenital Myasthenic Syndromes.
Proposal C	Mechanisms Regulating Cerebral Arteriogenesis and Neurorestoration.
Proposal D	Mechanisms of cognitive deficits after seizures in rats with brain malformations.
Proposal E	Neuregulin-1 decreases endothelial hyper-permeability and microthrombosis after traumatic brain injury.
Proposal F	Doublecortin in Neuronal Migration.
Proposal G	Anesthesia-induced learning deficiency and brain hyperoxia.
Proposal H	Mapping Brain Structure to Function in Euthymic Subjects with Bipolar Disorder.
Proposal I	A High Content Screening Approach for the Retinal Degenerative Diseases.
Proposal J	CB1 Receptor PET Imaging Reveals Gender Differences in PTSD.

Remaining Budget: $8 million

Number of Reviewers per Score and Proposal Score Statistics

Score	Proposal A	Proposal B	Proposal C	Proposal D	Proposal E	Proposal F	Proposal G
1 (Best)	6	9	3	9	3	9	9
2		9	6	9	6	9	9
3	6	6	6	6	6	6	6
4	1	1	1	1	1		
5	12	3	6	3	6	3	3
6	1		3	2			
7	2		2		2	1	
8	1	1	2		1	1	2
9 (Worst)	1	1	1		5	1	1
Average Score	4.17	2.70	4.13	2.53	4.47	2.80	2.83
Standard Deviation	2.15	2.00	2.27	1.55	2.73	2.14	2.21
Portfolio Selection	[%CHECKSELECT("PortfolioA7_S1",1);%]	[%CHECKSELECT("PortfolioA7_S1",2);%]	[%CHECKSELECT("PortfolioA7_S1",3);%]	[%CHECKSELECT("PortfolioA7_S1",4);%]	[%CHECKSELECT("PortfolioA7_S1",5);%]	[%CHECKSELECT("PortfolioA7_S1",6);%]	[%CHECKSELECT("PortfolioA7_S1

If funding were slashed so that you had to **drop one project** from your portfolio, which would you **drop**?

	Proposal A	Proposal B	Proposal C	Proposal D	Proposal E	Proposal F
Project you would **drop** from portfolio.	[%CHECKSELECT("PortfolioADrop7_S1",1);%]	[%CHECKSELECT("PortfolioADrop7_S1",2);%]	[%CHECKSELECT("PortfolioADrop7_S1",3);%]	[%CHECKSELECT("PortfolioADrop7_S1",4);%]	[%CHECKSELECT("PortfolioADrop7_S1",5);%]	[%CHECKSELECT("PortfolioADrop7_S1",6);%]	[%CH

If funding were expanded so that you had to **add one more project** to your portfolio, which would you **add**?

	Proposal A	Proposal B	Proposal C	Proposal D	Proposal E	Proposal F
Project you would **add** to portfolio.	[%CHECKSELECT("PortfolioAAdd7_S1",1);%]	[%CHECKSELECT("PortfolioAAdd7_S1",2);%]	[%CHECKSELECT("PortfolioAAdd7_S1",3);%]	[%CHECKSELECT("PortfolioAAdd7_S1",4);%]	[%CHECKSELECT("PortfolioAAdd7_S1",5);%]	[%CHECKSELECT("PortfolioAAdd7_S1",6);%]	[%CHECKS

0% � 100%

Question 2

Please repeat the exercise from the previous question for a **<u>new</u>** set of research projects, which received a **<u>different</u>** set of scores from your science advisory panel.

0% ▬▬▬▬▬▬▬▬▬ 100%

Question 2

Your NIH program budget to fund this portfolio of proposals is $8 million dollars and the cost of each proposal is $2 million dollars.

Check the boxes of the projects you would like to fund located below each proposal. As you enter proposals, the costs of each one will be subtracted from your NIH program budget and your remaining funds will be displayed. Due to your budget, you may not be able to fund all desired projects. You can swap proposals in and out by selecting and unselecting boxes until you are satisfied with your choices.

The tables below show the proposal titles and the number of reviewers (out of your panel of 30) who gave the proposals each score, 1 (best) through 9 (worst), along with the average score and standard deviation of the scores for each proposal. Hover over each proposal in the first table to view its abstract and see a graph of reviewer scores.

Proposal	Title
Proposal A	Genetic Analyses of Heparan Sulfate Function in Cell-Cell Interactions.
Proposal B	Role of pre-mRNA alternative splicing programs in heart and muscle development.
Proposal C	The Role of MicroRNAs in Vertebrate Development.
Proposal D	Cell cycle regulation by protein phosphatase 2A.
Proposal E	Characterizing mechanisms of transcriptional activation using live cell imaging.
Proposal F	Regulation of prostate epithelial basal cell plasticity.
Proposal G	Functional and Pharmacological Implications of mGluR Heteromerization.
Proposal H	Genetics of secretion in yeast.
Proposal I	Pathways that integrate cell growth with the cell cycle.
Proposal J	Structural Studies of the Autophagic Ubiquitin-Like Proteins.

Remaining Budget: $8 million

Number of Reviewers per Score and Proposal Score Statistics

Score	Proposal A	Proposal B	Proposal C	Proposal D	Proposal E	Proposal F	Proposal G
1 (Best)	6	9	9	9	9	3	6
2	3	9	12	9	12	6	
3	6	6	6	6	6	6	6
4	2		3	1			2
5	9	3		3		6	12
6	1				1		1
7				2		3	1
8	2	2			2	4	1
9 (Worst)	1	1				2	1
Average Score	3.80	2.83	2.10	2.60	2.43	4.47	4.07
Standard Deviation	2.20	2.21	0.96	1.71	1.83	2.61	2.08
Portfolio Selection	[%CHECKSELECT("PortfolioB7_S1",1);%]	[%CHECKSELECT("PortfolioB7_S1",2);%]	[%CHECKSELECT("PortfolioB7_S1",3);%]	[%CHECKSELECT("PortfolioB7_S1",4);%]	[%CHECKSELECT("PortfolioB7_S1",5);%]	[%CHECKSELECT("PortfolioB7_S1",6);%]	[%CHECKSELECT("PortfolioB7_S1...

If funding were slashed so that you had to **drop one project** from your portfolio, which would you **drop**?

	Proposal A	Proposal B	Proposal C	Proposal D	Proposal E	Proposal F
Project you would **drop** from portfolio.	[%CHECKSELECT("PortfolioBDrop7_S1",1);%]	[%CHECKSELECT("PortfolioBDrop7_S1",2);%]	[%CHECKSELECT("PortfolioBDrop7_S1",3);%]	[%CHECKSELECT("PortfolioBDrop7_S1",4);%]	[%CHECKSELECT("PortfolioBDrop7_S1",5);%]	[%CHECKSELECT("PortfolioBDrop7_S1",6);%]	[%CH...

If funding were expanded so that you had to **add one more project** to your portfolio, which would you **add**?

	Proposal A	Proposal B	Proposal C	Proposal D	Proposal E	Proposal F
Project you would **add** to portfolio.	[%CHECKSELECT("PortfolioBAdd7_S1",1);%]	[%CHECKSELECT("PortfolioBAdd7_S1",2);%]	[%CHECKSELECT("PortfolioBAdd7_S1",3);%]	[%CHECKSELECT("PortfolioBAdd7_S1",4);%]	[%CHECKSELECT("PortfolioBAdd7_S1",5);%]	[%CHECKSELECT("PortfolioBAdd7_S1",6);%]	[%CHECKS...

0% 100%

Instructions

In the next two questions, you will be asked to put together a portfolio of research project proposals to fund. Your role is that of a program director with limited funds for funding projects.

- In each of the two questions, you will be asked to consider sets of ten research project proposals (denoted A through J).

- Each proposal has received a rating on a scale from 1 to 9 (with 1 being the top rating) by 30 scientific experts on your advisory board, all of whom are unaffiliated with the projects under consideration.

- For each set of ten proposals, you will be provided with two tables of information to help in your funding decision. In the first table, you will be provided the titles of each proposal. You can also review the individual proposal abstract and a graph of the reviewer scores by hovering over the proposal you are interested in.

- In the second table, you will be provided information on the scoring of each proposal. Each column represents one proposal, with the value in each row referring to the number of reviewers who gave that score to the proposal. The average of the reviewers' scores for each proposal and the standard deviation are also displayed toward the bottom of each proposal's column.

- After considering the abstracts and scoring information, you will be asked to indicate which of the ten proposals you would like to fund with your limited budget. Remember that you need not be constrained by current NIH funding rules and thus should feel free to use any information that you deem relevant to make your funding decisions.

- Each proposal has the same cost, which is displayed along with your budget. The budget of the portfolio will influence what research projects you are able to fund. The portfolio you choose must cost the same or less than your total budget. Any leftover funds from each question will be returned to NIH headquarters and will be unavailable for project funding by this study section.

- The order in which proposals appear has been randomized.

0% ▬▬▬▬▬▬▬ 100%

Question 1

Your NIH program budget to fund this portfolio of proposals is $8 million dollars and the cost of each proposal is $2 million dollars.

Check the boxes of the projects you would like to fund located below each proposal. As you enter proposals, the costs of each one will be subtracted from your NIH program budget and your remaining funds will be displayed. Due to your budget, you may not be able to fund all desired projects. You can swap proposals in and out by selecting and unselecting boxes until you are satisfied with your choices.

The tables below show the proposal titles and the number of reviewers (out of your panel of 30) who gave the proposals each score, 1 (best) through 9 (worst), along with the average score and standard deviation of the scores for each proposal. Hover over each proposal in the first table to view its abstract and see a graph of reviewer scores.

Proposal	Title
Proposal A	Bringing CLARITY to EAE.
Proposal B	Congenital Myasthenic Syndromes.
Proposal C	Mechanisms Regulating Cerebral Arteriogenesis and Neurorestoration.
Proposal D	Mechanisms of cognitive deficits after seizures in rats with brain malformations.
Proposal E	Neuregulin-1 decreases endothelial hyper-permeability and microthrombosis after traumatic brain injury.
Proposal F	Doublecortin in Neuronal Migration.
Proposal G	Anesthesia-induced learning deficiency and brain hyperoxia.
Proposal H	Mapping Brain Structure to Function in Euthymic Subjects with Bipolar Disorder.
Proposal I	A High Content Screening Approach for the Retinal Degenerative Diseases.
Proposal J	CB1 Receptor PET Imaging Reveals Gender Differences in PTSD.

Remaining Budget: $8 million

Number of Reviewers per Score and Proposal Score Statistics

Score	Proposal A	Proposal B	Proposal C	Proposal D	Proposal E	Proposal F	Proposal G
1 (Best)	6	9		6	6	12	6
2	6	6	9	6	6		6
3	6	6	6	6	6	6	6
4	2	1			3		
5	6	6	3	6	6	12	6
6			4	2			2
7	1		6	3	1		1
8	2	2			1		1
9 (Worst)	1		2	1	1		2
Average Score	3.53	2.97	4.50	3.60	3.40	3.00	3.70
Standard Deviation	2.27	2.01	2.33	3.24	2.11	1.82	2.42
Portfolio Selection	[%CHECKSELECT("PortfolioA8_S1",1);%]	[%CHECKSELECT("PortfolioA8_S1",2);%]	[%CHECKSELECT("PortfolioA8_S1",3);%]	[%CHECKSELECT("PortfolioA8_S1",4);%]	[%CHECKSELECT("PortfolioA8_S1",5);%]	[%CHECKSELECT("PortfolioA8_S1",6);%]	[%CHECKSELECT("PortfolioA8_S1

If funding were slashed so that you had to **drop one project** from your portfolio, which would you **drop**?

	Proposal A	Proposal B	Proposal C	Proposal D	Proposal E	Proposal F	
Project you would **drop** from portfolio.	[%CHECKSELECT("PortfolioADrop8_S1",1);%]	[%CHECKSELECT("PortfolioADrop8_S1",2);%]	[%CHECKSELECT("PortfolioADrop8_S1",3);%]	[%CHECKSELECT("PortfolioADrop8_S1",4);%]	[%CHECKSELECT("PortfolioADrop8_S1",5);%]	[%CHECKSELECT("PortfolioADrop8_S1",6);%]	[%CH

If funding were expanded so that you had to **add one more project** to your portfolio, which would you **add**?

	Proposal A	Proposal B	Proposal C	Proposal D	Proposal E	Proposal F	
Project you would **add** to portfolio.	[%CHECKSELECT("PortfolioAAdd8_S1",1);%]	[%CHECKSELECT("PortfolioAAdd8_S1",2);%]	[%CHECKSELECT("PortfolioAAdd8_S1",3);%]	[%CHECKSELECT("PortfolioAAdd8_S1",4);%]	[%CHECKSELECT("PortfolioAAdd8_S1",5);%]	[%CHECKSELECT("PortfolioAAdd8_S1",6);%]	[%CHECKS

0% 100%

Question 2

Please repeat the exercise from the previous question for a **<u>new</u>** set of research projects, which received a **<u>different</u>** set of scores from your science advisory panel.

0% ▬▬▬▬▬▬▬▬▬▬▬▬ 100%

Question 2

Your NIH program budget to fund this portfolio of proposals is $8 million dollars and the cost of each proposal is $2 million dollars.

Check the boxes of the projects you would like to fund located below each proposal. As you enter proposals, the costs of each one will be subtracted from your NIH program budget and your remaining funds will be displayed. Due to your budget, you may not be able to fund all desired projects. You can swap proposals in and out by selecting and unselecting boxes until you are satisfied with your choices.

The tables below show the proposal titles and the number of reviewers (out of your panel of 30) who gave the proposals each score, 1 (best) through 9 (worst), along with the average score and standard deviation of the scores for each proposal. Hover over each proposal in the first table to view its abstract and see a graph of reviewer scores.

Proposal	Title
Proposal A	Genetic Analyses of Heparan Sulfate Function in Cell-Cell Interactions.
Proposal B	Role of pre-mRNA alternative splicing programs in heart and muscle development.
Proposal C	The Role of MicroRNAs in Vertebrate Development.
Proposal D	Cell cycle regulation by protein phosphatase 2A.
Proposal E	Characterizing mechanisms of transcriptional activation using live cell imaging.
Proposal F	Regulation of prostate epithelial basal cell plasticity.
Proposal G	Functional and Pharmacological Implications of mGluR Heteromerization.
Proposal H	Genetics of secretion in yeast.
Proposal I	Pathways that integrate cell growth with the cell cycle.
Proposal J	Structural Studies of the Autophagic Ubiquitin-Like Proteins.

Remaining Budget: $8 million

Number of Reviewers per Score and Proposal Score Statistics

Score	Proposal A	Proposal B	Proposal C	Proposal D	Proposal E	Proposal F	Proposal G
1 (Best)	9	6	6	3	6	6	6
2	9	6	6	6	6		6
3	6	6	6	6	6	6	6
4		2	1	4		1	2
5	3	6	6	6	6	12	6
6		2	1	1	2		2
7			2	2		4	2
8	1		1	2	4	1	
9 (Worst)	2	2	1	2			
Average Score	2.87	3.47	3.57	3.97	3.67	4.13	3.33
Standard Deviation	2.30	2.19	2.25	2.27	2.34	2.06	1.88
Portfolio Selection	[%CHECKSELECT("PortfolioB8_S1",1);%]	[%CHECKSELECT("PortfolioB8_S1",2);%]	[%CHECKSELECT("PortfolioB8_S1",3);%]	[%CHECKSELECT("PortfolioB8_S1",4);%]	[%CHECKSELECT("PortfolioB8_S1",5);%]	[%CHECKSELECT("PortfolioB8_S1",6);%]	[%CHECKSELECT("PortfolioB8_S1

If funding were slashed so that you had to **drop one project** from your portfolio, which would you **drop**?

	Proposal A	Proposal B	Proposal C	Proposal D	Proposal E	Proposal F
Project you would **drop** from portfolio.	[%CHECKSELECT("PortfolioBDrop8_S1",1);%]	[%CHECKSELECT("PortfolioBDrop8_S1",2);%]	[%CHECKSELECT("PortfolioBDrop8_S1",3);%]	[%CHECKSELECT("PortfolioBDrop8_S1",4);%]	[%CHECKSELECT("PortfolioBDrop8_S1",5);%]	[%CHECKSELECT("PortfolioBDrop8_S1",6);%]	[%CH

If funding were expanded so that you had to **add one more project** to your portfolio, which would you **add**?

	Proposal A	Proposal B	Proposal C	Proposal D	Proposal E	Proposal F
Project you would **add** to portfolio.	[%CHECKSELECT("PortfolioBAdd8_S1",1);%]	[%CHECKSELECT("PortfolioBAdd8_S1",2);%]	[%CHECKSELECT("PortfolioBAdd8_S1",3);%]	[%CHECKSELECT("PortfolioBAdd8_S1",4);%]	[%CHECKSELECT("PortfolioBAdd8_S1",5);%]	[%CHECKSELECT("PortfolioBAdd8_S1",6);%]	[%CHECKS

0% ▓▓▓▓▓▓▓▓ 100%

Instructions

In the next two questions, you will be asked to put together a portfolio of research project proposals to fund. Your role is that of a program director with limited funds for funding projects.

- In each of the two questions, you will be asked to consider sets of ten research project proposals (denoted A through J).

- Each proposal has received a rating on a scale from 1 to 9 (with 1 being the top rating) by 30 scientific experts on your advisory board, all of whom are unaffiliated with the projects under consideration.

- For each set of ten proposals, you will be provided with two tables of information to help in your funding decision. In the first table, you will be provided the titles of each proposal. You can also review the individual proposal abstract and a graph of the reviewer scores by hovering over the proposal you are interested in.

- In the second table, you will be provided information on the scoring of each proposal. Each column represents one proposal, with the value in each row referring to the number of reviewers who gave that score to the proposal. The average of the reviewers' scores for each proposal and the standard deviation are also displayed toward the bottom of each proposal's column.

- After considering the abstracts and scoring information, you will be asked to indicate which of the ten proposals you would like to fund with your limited budget. Remember that you need not be constrained by current NIH funding rules and thus should feel free to use any information that you deem relevant to make your funding decisions.

- Each proposal has the same cost, which is displayed along with your budget. The budget of the portfolio will influence what research projects you are able to fund. The portfolio you choose must cost the same or less than your total budget. Any leftover funds from each question will be returned to NIH headquarters and will be unavailable for project funding by this study section.

- The order in which proposals appear has been randomized.

0% 100%

Question 1

Your NIH program budget to fund this portfolio of proposals is $8 million dollars and the cost of each proposal is $2 million dollars.

Check the boxes of the projects you would like to fund located below each proposal. As you enter proposals, the costs of each one will be subtracted from your NIH program budget and your remaining funds will be displayed. Due to your budget, you may not be able to fund all desired projects. You can swap proposals in and out by selecting and unselecting boxes until you are satisfied with your choices.

The tables below show the proposal titles and the number of reviewers (out of your panel of 30) who gave the proposals each score, 1 (best) through 9 (worst), along with the average score and standard deviation of the scores for each proposal. Hover over each proposal in the first table to view its abstract and see a graph of reviewer scores.

Proposal	Title
Proposal A	Bringing CLARITY to EAE.
Proposal B	Congenital Myasthenic Syndromes.
Proposal C	Mechanisms Regulating Cerebral Arteriogenesis and Neurorestoration.
Proposal D	Mechanisms of cognitive deficits after seizures in rats with brain malformations.
Proposal E	Neuregulin-1 decreases endothelial hyper-permeability and microthrombosis after traumatic brain injury.
Proposal F	Doublecortin in Neuronal Migration.
Proposal G	Anesthesia-induced learning deficiency and brain hyperoxia.
Proposal H	Mapping Brain Structure to Function in Euthymic Subjects with Bipolar Disorder.
Proposal I	A High Content Screening Approach for the Retinal Degenerative Diseases.
Proposal J	CB1 Receptor PET Imaging Reveals Gender Differences in PTSD.

Remaining Budget: $8 million

Number of Reviewers per Score and Proposal Score Statistics

Score	Proposal A	Proposal B	Proposal C	Proposal D	Proposal E	Proposal F	Proposal G
1 (Best)	6	9		6	6	12	6
2	6	6	9	6	6		6
3	6	6	6	6	6	6	6
4	2	1			3		
5	6	6	3	6	6	12	6
6			4	2			2
7	1		6	3	1		1
8	2	2			1		1
9 (Worst)	1		2	1	1		2
Average Score	3.53	2.97	4.50	3.60	3.40	3.00	3.70
Standard Deviation	2.27	2.01	2.11	2.24	2.11	1.82	2.42
Portfolio Selection	[%CHECKSELECT("PortfolioA9_S1",1);%]	[%CHECKSELECT("PortfolioA9_S1",2);%]	[%CHECKSELECT("PortfolioA9_S1",3);%]	[%CHECKSELECT("PortfolioA9_S1",4);%]	[%CHECKSELECT("PortfolioA9_S1",5);%]	[%CHECKSELECT("PortfolioA9_S1",6);%]	[%CHECKSELECT("PortfolioA9_S1

If funding were slashed so that you had to **drop one project** from your portfolio, which would you **drop**?

	Proposal A	Proposal B	Proposal C	Proposal D	Proposal E	Proposal F	
Project you would **drop** from portfolio.	[%CHECKSELECT("PortfolioADrop9_S1",1);%]	[%CHECKSELECT("PortfolioADrop9_S1",2);%]	[%CHECKSELECT("PortfolioADrop9_S1",3);%]	[%CHECKSELECT("PortfolioADrop9_S1",4);%]	[%CHECKSELECT("PortfolioADrop9_S1",5);%]	[%CHECKSELECT("PortfolioADrop9_S1",6);%]	[%CH

If funding were expanded so that you had to **add one more project** to your portfolio, which would you **add**?

	Proposal A	Proposal B	Proposal C	Proposal D	Proposal E	Proposal F	
Project you would **add** to portfolio.	[%CHECKSELECT("PortfolioAAdd9_S1",1);%]	[%CHECKSELECT("PortfolioAAdd9_S1",2);%]	[%CHECKSELECT("PortfolioAAdd9_S1",3);%]	[%CHECKSELECT("PortfolioAAdd9_S1",4);%]	[%CHECKSELECT("PortfolioAAdd9_S1",5);%]	[%CHECKSELECT("PortfolioAAdd9_S1",6);%]	[%CHECKS

0% 100%

Question 2

Please repeat the exercise from the previous question for a **<u>new</u>** set of research projects, which received a **<u>different</u>** set of scores from your science advisory panel.

0% ▬▬▬▬▬▬▬▬▬▬ 100%

Q2BIntro9

Please repeat the exercise from the previous question for a **<u>new</u>** set of research projects, which received a **<u>different</u>** set of scores from your science advisory panel.

0% ▬▬▬▬▬▬▬▬▬▬ 100%

Question 2

Your NIH program budget to fund this portfolio of proposals is $8 million dollars and the cost of each proposal is $2 million dollars.

Check the boxes of the projects you would like to fund located below each proposal. As you enter proposals, the costs of each one will be subtracted from your NIH program budget and your remaining funds will be displayed. Due to your budget, you may not be able to fund all desired projects. You can swap proposals in and out by selecting and unselecting boxes until you are satisfied with your choices.

The tables below show the proposal titles and the number of reviewers (out of your panel of 30) who gave the proposals each score, 1 (best) through 9 (worst), along with the average score and standard deviation of the scores for each proposal. Hover over each proposal in the first table to view its abstract and see a graph of reviewer scores.

Proposal	Title
Proposal A	Genetic Analyses of Heparan Sulfate Function in Cell-Cell Interactions.
Proposal B	Role of pre-mRNA alternative splicing programs in heart and muscle development.
Proposal C	The Role of MicroRNAs in Vertebrate Development.
Proposal D	Cell cycle regulation by protein phosphatase 2A.
Proposal E	Characterizing mechanisms of transcriptional activation using live cell imaging.
Proposal F	Regulation of prostate epithelial basal cell plasticity.
Proposal G	Functional and Pharmacological Implications of mGluR Heteromerization.
Proposal H	Genetics of secretion in yeast.
Proposal I	Pathways that integrate cell growth with the cell cycle.
Proposal J	Structural Studies of the Autophagic Ubiquitin-Like Proteins.

Remaining Budget: $8 million

Number of Reviewers per Score and Proposal Score Statistics

Score	Proposal A	Proposal B	Proposal C	Proposal D	Proposal E	Proposal F	Proposal G
1 (Best)	6	9	9	9	9	3	6
2	3	9	12	9	12	6	
3	6	6	6	6	6	6	
4	2		3	1			2
5	9	3		3		6	12
6	1				1		1
7				2		3	1
8	2	2			2	4	1
9 (Worst)	1	1				2	1
Average Score	3.80	2.83	2.10	2.60	2.43	4.47	4.07
Standard Deviation	2.20	2.21	0.96	1.71	1.83	2.61	2.08
Portfolio Selection	[%CHECKSELECT("PortfolioB9_S1",1);%]	[%CHECKSELECT("PortfolioB9_S1",2);%]	[%CHECKSELECT("PortfolioB9_S1",3);%]	[%CHECKSELECT("PortfolioB9_S1",4);%]	[%CHECKSELECT("PortfolioB9_S1",5);%]	[%CHECKSELECT("PortfolioB9_S1",6);%]	[%CHECKSELECT("PortfolioB9_S1

If funding were slashed so that you had to **drop one project** from your portfolio, which would you **drop**?

	Proposal A	Proposal B	Proposal C	Proposal D	Proposal E	Proposal F
Project you would **drop** from portfolio.	[%CHECKSELECT("PortfolioBDrop9_S1",1);%]	[%CHECKSELECT("PortfolioBDrop9_S1",2);%]	[%CHECKSELECT("PortfolioBDrop9_S1",3);%]	[%CHECKSELECT("PortfolioBDrop9_S1",4);%]	[%CHECKSELECT("PortfolioBDrop9_S1",5);%]	[%CHECKSELECT("PortfolioBDrop9_S1",6);%]	[%CH

If funding were expanded so that you had to **add one more project** to your portfolio, which would you **add**?

	Proposal A	Proposal B	Proposal C	Proposal D	Proposal E	Proposal F
Project you would **add** to portfolio.	[%CHECKSELECT("PortfolioBAdd9_S1",1);%]	[%CHECKSELECT("PortfolioBAdd9_S1",2);%]	[%CHECKSELECT("PortfolioBAdd9_S1",3);%]	[%CHECKSELECT("PortfolioBAdd9_S1",4);%]	[%CHECKSELECT("PortfolioBAdd9_S1",5);%]	[%CHECKSELECT("PortfolioBAdd9_S1",6);%]	[%CHECKS

0% 100%

Instructions

In the next two questions, you will be asked to put together a portfolio of research project proposals to fund. Your role is that of a program director with limited funds for funding projects.

- In each of the two questions, you will be asked to consider sets of ten research project proposals (denoted A through J).

- Each proposal has received a rating on a scale from 1 to 9 (with 1 being the top rating) by 30 scientific experts on your advisory board, all of whom are unaffiliated with the projects under consideration.

- For each set of ten proposals, you will be provided with two tables of information to help in your funding decision. In the first table, you will be provided the titles of each proposal. You can also review the individual proposal abstract and a graph of the reviewer scores by hovering over the proposal you are interested in.

- In the second table, you will be provided information on the scoring of each proposal. Each column represents one proposal, with the value in each row referring to the number of reviewers who gave that score to the proposal. The average of the reviewers' scores for each proposal and the standard deviation are also displayed toward the bottom of each proposal's column.

- After considering the abstracts and scoring information, you will be asked to indicate which of the ten proposals you would like to fund with your limited budget. Remember that you need not be constrained by current NIH funding rules and thus should feel free to use any information that you deem relevant to make your funding decisions.

- Each proposal has the same cost, which is displayed along with your budget. The budget of the portfolio will influence what research projects you are able to fund. The portfolio you choose must cost the same or less than your total budget. Any leftover funds from each question will be returned to NIH headquarters and will be unavailable for project funding by this study section.

- The order in which proposals appear has been randomized.

0% 100%

Question 1

Your NIH program budget to fund this portfolio of proposals is $8 million dollars and the cost of each proposal is $2 million dollars.

Check the boxes of the projects you would like to fund located below each proposal. As you enter proposals, the costs of each one will be subtracted from your NIH program budget and your remaining funds will be displayed. Due to your budget, you may not be able to fund all desired projects. You can swap proposals in and out by selecting and unselecting boxes until you are satisfied with your choices.

The tables below show the proposal titles and the number of reviewers (out of your panel of 30) who gave the proposals each score, 1 (best) through 9 (worst), along with the average score and standard deviation of the scores for each proposal. Hover over each proposal in the first table to view its abstract and see a graph of reviewer scores.

Proposal	Title
Proposal A	Bringing CLARITY to EAE.
Proposal B	Congenital Myasthenic Syndromes.
Proposal C	Mechanisms Regulating Cerebral Arteriogenesis and Neurorestoration.
Proposal D	Mechanisms of cognitive deficits after seizures in rats with brain malformations.
Proposal E	Neuregulin-1 decreases endothelial hyper-permeability and microthrombosis after traumatic brain injury.
Proposal F	Doublecortin in Neuronal Migration.
Proposal G	Anesthesia-induced learning deficiency and brain hyperoxia.
Proposal H	Mapping Brain Structure to Function in Euthymic Subjects with Bipolar Disorder.
Proposal I	A High Content Screening Approach for the Retinal Degenerative Diseases.
Proposal J	CB1 Receptor PET Imaging Reveals Gender Differences in PTSD.

Remaining Budget: $8 million

Number of Reviewers per Score and Proposal Score Statistics

Score	Proposal A	Proposal B	Proposal C	Proposal D	Proposal E	Proposal F	Proposal G
1 (Best)	9	6	6	3	6	6	6
2	9	6	6	6	6		6
3	6	6	6	6	6	6	6
4		2	1	4		1	2
5	3	6	6	6	6	12	6
6		2	1	1	2		2
7			2			4	2
8	1		1	2	4	1	
9 (Worst)	2	2	1	2			
Average Score	2.87	3.47	3.57	3.97	3.67	4.13	3.33
Standard Deviation	2.30	2.19	2.25	2.27	2.34	2.06	1.88
Portfolio Selection	[%CHECKSELECT("PortfolioA10_S1",1);%]	[%CHECKSELECT("PortfolioA10_S1",2);%]	[%CHECKSELECT("PortfolioA10_S1",3);%]	[%CHECKSELECT("PortfolioA10_S1",4);%]	[%CHECKSELECT("PortfolioA10_S1",5);%]	[%CHECKSELECT("PortfolioA10_S1",6);%]	[%CHECKSELECT("PortfolioA10

If funding were slashed so that you had to **drop one project** from your portfolio, which would you **drop**?

	Proposal A	Proposal B	Proposal C	Proposal D	Proposal E	Proposal F	
Project you would **drop** from portfolio.	[%CHECKSELECT("PortfolioADrop10_S1",1);%]	[%CHECKSELECT("PortfolioADrop10_S1",2);%]	[%CHECKSELECT("PortfolioADrop10_S1",3);%]	[%CHECKSELECT("PortfolioADrop10_S1",4);%]	[%CHECKSELECT("PortfolioADrop10_S1",5);%]	[%CHECKSELECT("PortfolioADrop10_S1",6);%]	[%C

If funding were expanded so that you had to **add one more project** to your portfolio, which would you **add**?

	Proposal A	Proposal B	Proposal C	Proposal D	Proposal E	Proposal F	
Project you would **add** to portfolio.	[%CHECKSELECT("PortfolioAAdd10_S1",1);%]	[%CHECKSELECT("PortfolioAAdd10_S1",2);%]	[%CHECKSELECT("PortfolioAAdd10_S1",3);%]	[%CHECKSELECT("PortfolioAAdd10_S1",4);%]	[%CHECKSELECT("PortfolioAAdd10_S1",5);%]	[%CHECKSELECT("PortfolioAAdd10_S1",6);%]	[%CHECK

0% ▬▬▬▬▬ 100%

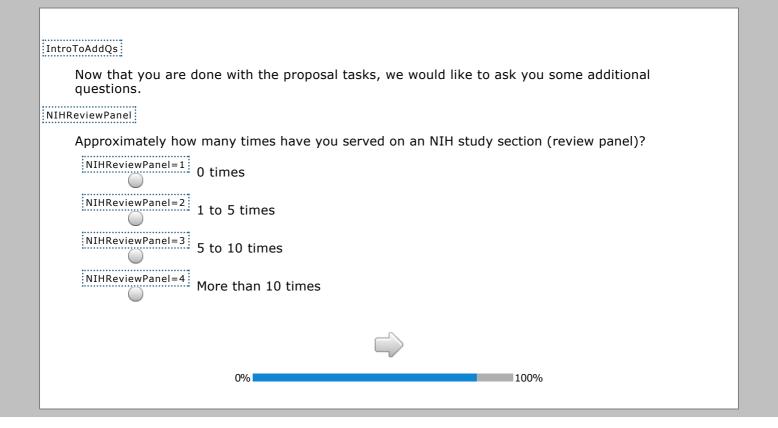**Question 2**

Please repeat the exercise from the previous question for a **<u>new</u>** set of research projects, which received a **<u>different</u>** set of scores from your science advisory panel.

0% ▰▰▰▰▰▰▰▰▱▱ 100%

Question 2

Your NIH program budget to fund this portfolio of proposals is $8 million dollars and the cost of each proposal is $2 million dollars.

Check the boxes of the projects you would like to fund located below each proposal. As you enter proposals, the costs of each one will be subtracted from your NIH program budget and your remaining funds will be displayed. Due to your budget, you may not be able to fund all desired projects. You can swap proposals in and out by selecting and unselecting boxes until you are satisfied with your choices.

The tables below show the proposal titles and the number of reviewers (out of your panel of 30) who gave the proposals each score, 1 (best) through 9 (worst), along with the average score and standard deviation of the scores for each proposal. Hover over each proposal in the first table to view its abstract and see a graph of reviewer scores.

Proposal	Title
Proposal A	Genetic Analyses of Heparan Sulfate Function in Cell-Cell Interactions.
Proposal B	Role of pre-mRNA alternative splicing programs in heart and muscle development.
Proposal C	The Role of MicroRNAs in Vertebrate Development.
Proposal D	Cell cycle regulation by protein phosphatase 2A.
Proposal E	Characterizing mechanisms of transcriptional activation using live cell imaging.
Proposal F	Regulation of prostate epithelial basal cell plasticity.
Proposal G	Functional and Pharmacological Implications of mGluR Heteromerization.
Proposal H	Genetics of secretion in yeast.
Proposal I	Pathways that integrate cell growth with the cell cycle.
Proposal J	Structural Studies of the Autophagic Ubiquitin-Like Proteins.

Remaining Budget: $8 million

Number of Reviewers per Score and Proposal Score Statistics

Score	Proposal A	Proposal B	Proposal C	Proposal D	Proposal E	Proposal F	Proposal G
1 (Best)	6	9	9	9	9	3	6
2	3	9	12	9	12	6	
3	6	6	6	6	6		6
4	2		3	1			2
5	9	3		3		6	12
6	1				1		1
7				2		3	1
8	2	2			2	4	1
9 (Worst)	1	1				2	1
Average Score	3.80	2.83	2.10	2.60	2.43	4.47	4.07
Standard Deviation	2.20	2.21	0.96	1.71	1.83	2.61	2.08
Portfolio Selection	[%CHECKSELECT("PortfolioB10_S1",1);%]	[%CHECKSELECT("PortfolioB10_S1",2);%]	[%CHECKSELECT("PortfolioB10_S1",3);%]	[%CHECKSELECT("PortfolioB10_S1",4);%]	[%CHECKSELECT("PortfolioB10_S1",5);%]	[%CHECKSELECT("PortfolioB10_S1",6);%]	[%CHECKSELECT("PortfolioB10_

If funding were slashed so that you had to **drop one project** from your portfolio, which would you **drop**?

	Proposal A	Proposal B	Proposal C	Proposal D	Proposal E	Proposal F	
Project you would **drop** from portfolio.	[%CHECKSELECT("PortfolioBDrop10_S1",1);%]	[%CHECKSELECT("PortfolioBDrop10_S1",2);%]	[%CHECKSELECT("PortfolioBDrop10_S1",3);%]	[%CHECKSELECT("PortfolioBDrop10_S1",4);%]	[%CHECKSELECT("PortfolioBDrop10_S1",5);%]	[%CHECKSELECT("PortfolioBDrop10_S1",6);%]	[%C

If funding were expanded so that you had to **add one more project** to your portfolio, which would you **add**?

	Proposal A	Proposal B	Proposal C	Proposal D	Proposal E	Proposal F	
Project you would **add** to portfolio.	[%CHECKSELECT("PortfolioBAdd10_S1",1);%]	[%CHECKSELECT("PortfolioBAdd10_S1",2);%]	[%CHECKSELECT("PortfolioBAdd10_S1",3);%]	[%CHECKSELECT("PortfolioBAdd10_S1",4);%]	[%CHECKSELECT("PortfolioBAdd10_S1",5);%]	[%CHECKSELECT("PortfolioBAdd10_S1",6);%]	[%CHECK

0% ▬▬▬▬▬▬▬▬▬▬ 100%

For how many of the proposals in the last question did you use the hover feature to obtain more details?

HoverQ=1
○ None

HoverQ=2
○ Some but less than half

HoverQ=3
○ More than half but not all

HoverQ=4
○ All

0% ▮▮▮▮▮▮▮▮▮▮ 100%

Now that you are done with the proposal tasks, we would like to ask you some additional questions.

Approximately how many times have you served on an NIH study section (review panel)?

NIHReviewPanel=1

○ 0 times

NIHReviewPanel=2

○ 1 to 5 times

NIHReviewPanel=3

○ 5 to 10 times

NIHReviewPanel=4

○ More than 10 times

0% ▬▬▬▬▬▬▬▬▬▬ 100%

Have you ever served in a position where you had substantial responsibility for selecting which research projects to fund?

Yes

No

0% ▰▰▰▰▰▰▰▰▰▰▰▰ 100%

FundResponsibility2

Did these involve large projects ($500,000 or more) or smaller projects or both?

FundResponsibility2=1 ○ Large scale projects only

FundResponsibility2=2 ○ Small projects only

FundResponsibility2=3 ○ Both large and small projects

0% ▓▓▓▓▓▓▓▓▓▓▓▓▓▓ 100%

Time1

As you know, all research investments require upfront financial costs in exchange for innovations that will provide benefits sometime in the future. This next series of hypothetical questions is designed to help us understand your preferences regarding these intertemporal tradeoffs.

Please indicate whether you prefer option A or option B for the following choices. Please select one option in **each row**.

Option A	**Option B**
Time1=1 ○ $1000 now	Time1=2 ○ $900 in one year

Time2

| Time2=1 ○ $1000 now | Time2=2 ○ $1000 in one year |

Time3

| Time3=1 ○ $1000 now | Time3=2 ○ $1100 in one year |

Time4

| Time4=1 ○ $1000 now | Time4=2 ○ $1200 in one year |

Time5

| Time5=1 ○ $1000 now | Time5=2 ○ $1300 in one year |

Time6

| Time6=1 ○ $1000 now | Time6=2 ○ $1400 in one year |

Time7

| Time7=1 ○ $1000 now | Time7=2 ○ $1500 in one year |

Time8

| Time8=1 ○ $1000 now | Time8=2 ○ $1600 in one year |

Time9

| Time9=1 ○ $1000 now | Time9=2 ○ $1700 in one year |

Time10

| Time10=1 ○ $1000 now | Time10=2 ○ $1800 in one year |

Time11

| Time11=1 ○ $1000 now | Time11=2 ○ $1900 in one year |

Time12

| Time12=1 ○ $1000 now | Time12=2 ○ $2000 in one year |

0% ▬▬▬▬▬▬▬▬▬▬ 100%

As you know, all research investments have uncertain returns, since projects are still in early stages when they are being funded. This next series of hypothetical questions is designed to help us understand your risk preferences.

Suppose you have inherited investment property and you are given a choice between two different types of investments. One will provide a one-time guaranteed payout and the other will pay a one-time uncertain one. Please make a selection in **each row**.

Option A	**Option B**

Property1

Property1=1 $20,000 guaranteed   Property1=2   50:50 chance at $10,000:$90,000

Property2

Property2=1 $20,000 guaranteed   Property2=2   50:50 chance at $10,000:$80,000

Property3

Property3=1 $20,000 guaranteed   Property3=2   50:50 chance at $10,000:$70,000

Property4

Property4=1 $20,000 guaranteed   Property4=2   50:50 chance at $10,000:$60,000

Property5

Property5=1 $20,000 guaranteed   Property5=2   50:50 chance at $10,000:$50,000

Property6

Property6=1 $20,000 guaranteed   Property6=2   50:50 chance at $10,000:$40,000

Property7

Property7=1 $20,000 guaranteed   Property7=2   50:50 chance at $10,000:$30,000

Property8

Property8=1 $20,000 guaranteed   Property8=2   50:50 chance at $10,000:$20,000

Property9

Property9=1 $20,000 guaranteed   Property9=2   50:50 chance at $10,000:$10,000

0% ▐████████████████████▐ 100%

YearBorn

In what year were you born? [   ]

Gender

What is your sex?

Gender=1 ○ Female

Gender=2 ○ Male

Gender=3 ○ Prefer not to answer

PhD

Do you have a Ph.D.?

PhD=1 ○ Yes

PhD=2 ○ No

MD

Do you have a M.D.?

MD=1 ○ Yes

MD=2 ○ No

PrivateSector

How many years of experience, if any, do you have working in the private for-profit sector? Enter 0 if none. [   ]

PIProposals

About how many research proposals on which you were the principal investigator have you submitted to the NIH?

PIProposals=1 ○ Less than 5

PIProposals=2 ○ 5 to 10

PIProposals=3 ○ More than 10

NIHFundingInfo

Is there anything concerning how NIH should fund projects that you think we might find useful or interesting?

[   ]

⇨

0% ▆▆▆▆▆▆▆▆▆▆▆▆▆▆ 100%

Thank you for taking our survey. As was mentioned in the introduction, we are offering to provide preprints of the results to respondents who express interest. If you would like to receive updates about the results of this survey, please submit your email address below. Otherwise, leave this page blank and click the arrow below to complete and exit the survey.

Email Address:

0% ▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮ 100%

final

Thank you for completing our survey.

0% ▬▬▬▬▬▬▬▬▬▬▬ 100%