# Comparing voting methods for budget decisions on the ASSU ballot

A research ballot attached to Stanfords student government 2018 elections

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A collaboration between the
Associated Students of Stanford University
and the Stanford Crowdsourced Democracy Team

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## Executive summary

During the 2018 Associated Students of Stanford University (ASSU; Stanford's student body) election and annual grants process, the Stanford Crowdsourced Democracy Team (SCDT) ran a research ballot and survey to develop insights into voting behavior on the budget component of the ballot (annual grants) where multiple grant requests (hereafter: 'projects') are considered. We provided voters with additional voting methods for the budget component, collected further insights through a survey and demonstrated the viability of the proposed workflow. Some of our (preliminary) findings are directly relevant to ASSU:

- If ASSU decides to implement a budget cap to the annual grants process, the knapsack voting method has shown to be a good option.
- Voters reported the knapsack ballot generally easier to use than the official ASSU ballot and were more confident that their preferences would be taken into account. The appreciation for knapsack voting is generally higher than that for comparison voting.
- While the resulting ranking of yes/no voting and knapsack voting are similar, there are some projects that get a different appreciation when voters are constrained by a budget.
- Voters requested that more information be provided about the projects.
- The different mechanisms provide more insight on student opinions regarding the projects than does the official ballot alone.

Furthermore, the (appropriately anonymized) data gathered in this year's research ballots is beneficial for research purposes.

Overall, our platform and pipeline (PB Stanford) with post-validation of ballots functioned well on a large scale. In particular, the knapsack ballot mechanism shows promise in voter feedback.

## Process

SCDT has collaborated with over 10 cities across the US (incl. Boston, Chicago, Seattle) to allow citizens to participate in the budgeting processes for a section of their city budget through its participatory budgeting (PB) platform: www.pbstanford.org. The platform allows different budgeting mechanisms, such as knapsack, pairwise comparison, and triplet comparison voting. These were implemented as follows:

- In *knapsack voting*, voters were asked to select any number of projects, as long as the total budget of the selected projects remained within the permitted budget (which we set for this ballot at ~90% of the total requested amount).
- In *pairwise comparison voting*, voters were presented with 15 random pairs of projects, and for each pair asked to state which provides a higher value per dollar spent to the community.
- In *triplet comparison voting*, voters were presented 10 randomly selected triplets of projects (in random order) and asked to rank them in order of highest value per dollar spent to the community.

In the research ballots, we presented the same organizations (projects), requested amounts and information as was available on the annual grants portion of the official ASSU ballot. Thus, the aggregated votes of the research ballots can be compared with the aggregated votes of the official ballot. After the research ballot, voters were presented with a survey asking them about their voting experience.

All eligible ASSU voters were invited by ASSU to participate in the official ballot. This ballot included a section where voters were asked to approve or disapprove a set of budget requests ('projects'). The undergraduate ballot contained of 70 projects and the graduate ballot of 9. After a voter submitted their official ballot, they were invited by ASSU to participate in the research ballot and survey. Participants were randomly assigned to one of the alternative voting mechanisms.

For voters on the undergraduate ballot, participants were assigned to knapsack (50%) or pairwise comparison voting (50%). For voters on the graduate ballot, participants were assigned to knapsack (50%),

pairwise comparison (25%) or triplet comparison (25%) voting. After completing the research ballot, the participants were invited to participate in a survey. Finally, we selected 25 participants (from those who completed both the research ballot and the survey) at random to receive a $20 voucher.

After completion of the elections, the ASSU election commissioner was able to confirm the validity of the research ballots through post-validation using the identifier that Qualtrics included in the URL when voters were sent to our platform, without SCDT requiring access to the identity of the voters. One vote within the voting timeframe was found without a valid code: a valid code combined with 'participatorybudgeting'.

## General statistics

The official ballot saw a high participation this year, and in part because of that, we received a good number of participants in our research ballot. In total, 1,249 undergraduate research ballots and 1,178 graduate research ballots were validly submitted: a completion rate of respectively 86% and 92% of the assigned ballots. Of these completed ballots, 1,195 undergraduates and 1,123 graduates also completed the survey. The voters that participated in the research ballot were mostly representative for the whole population of voters. When the official ballots of the different research ballot populations are compared, they differ up to a few percentage points between each other for any given project; the largest difference is 6 percentage points between the graduate knapsack and triplet populations.

*Table 1: General statistics*

| *Voters* | Undergr. | Grad. |
|---|---|---|
| *Official Ballot* | **3310** | **2419** |
| *Assigned* | **1448** | **1283** |
| Knapsack | 755 | 621 |
| Triplets | 693 | 333 |
| Pairs | - | 329 |
| *Completed* | **1249** | **1178** |
| Knapsack | 609 | 553 |
| Triplets (10) | 640 | 311 |
| Pairs (15) | - | 314 |
| *Survey* | **1195** | **1123** |
| Knapsack | 577 | 522 |
| Triplets | 618 | 297 |
| Pairs | - | 304 |

The time spent by voters to complete the ballot highly depended on the type of ballot and the number of projects. The median undergraduate ballot took 208 seconds for knapsack, and 103 seconds for triplet comparison. The median graduate ballot took 62 seconds for knapsack, 91 seconds for triplet comparison and 80 seconds for pairwise comparison. The median survey took 56 seconds (undergraduate) and 62 seconds (graduate). The undergraduate knapsack ballot took much longer than the graduate knapsack ballot, which is understandable given the large number of projects (70 compared to 9).

Among the people that completed the survey, 88% reported to use a laptop/desktop and 12% a smartphone. The smart phone rate is a bit lower than expected in a young generation of students and may be indicative of a lower completion rate of the combination of a long official ballot and a research ballot.

We asked students of how many organizations on the ballot they had knowledge before voting. See the appendix for plots. Of the graduate respondents, 7% indicate that they didn't know any organization on the ballot, and 31% that they knew only one or two. 2% indicated to have known more than 10, which is unlikely given that there were only 9 organizations on the ballot. Of the undergraduate respondents, less than 1% knew of not a single organization on the ballot, and 61% indicated to know more than 10 of the organizations on the ballot.

Figure 1: As compared to the official ASSU ballot, how easy was the PB Stanford ballot to use?

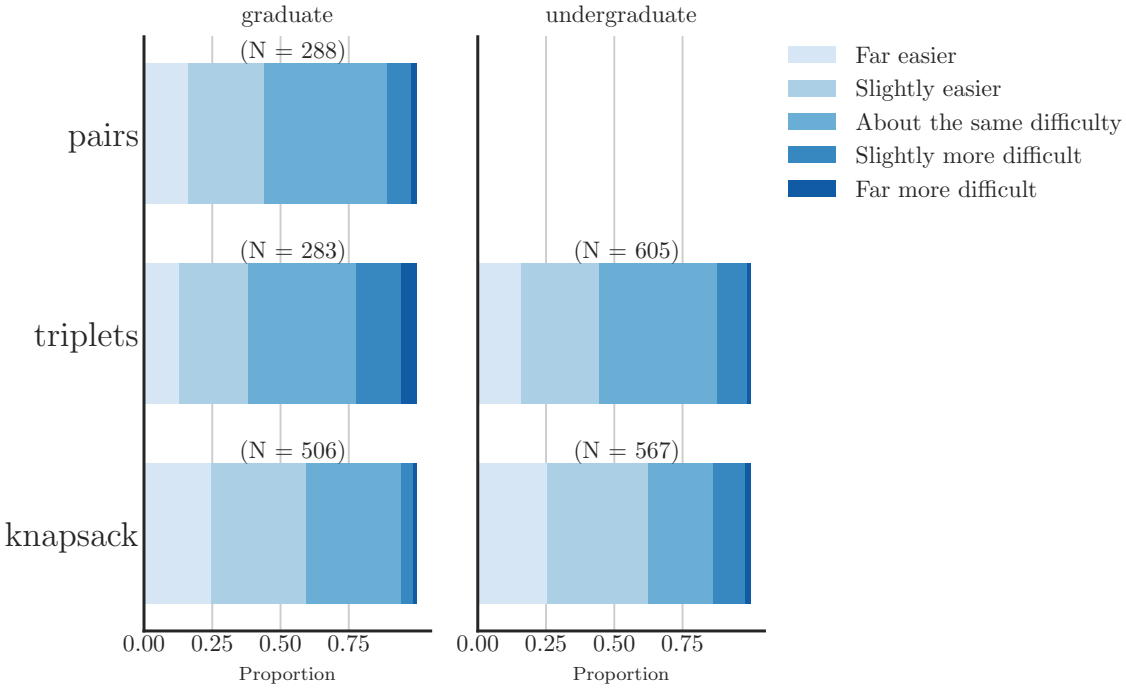
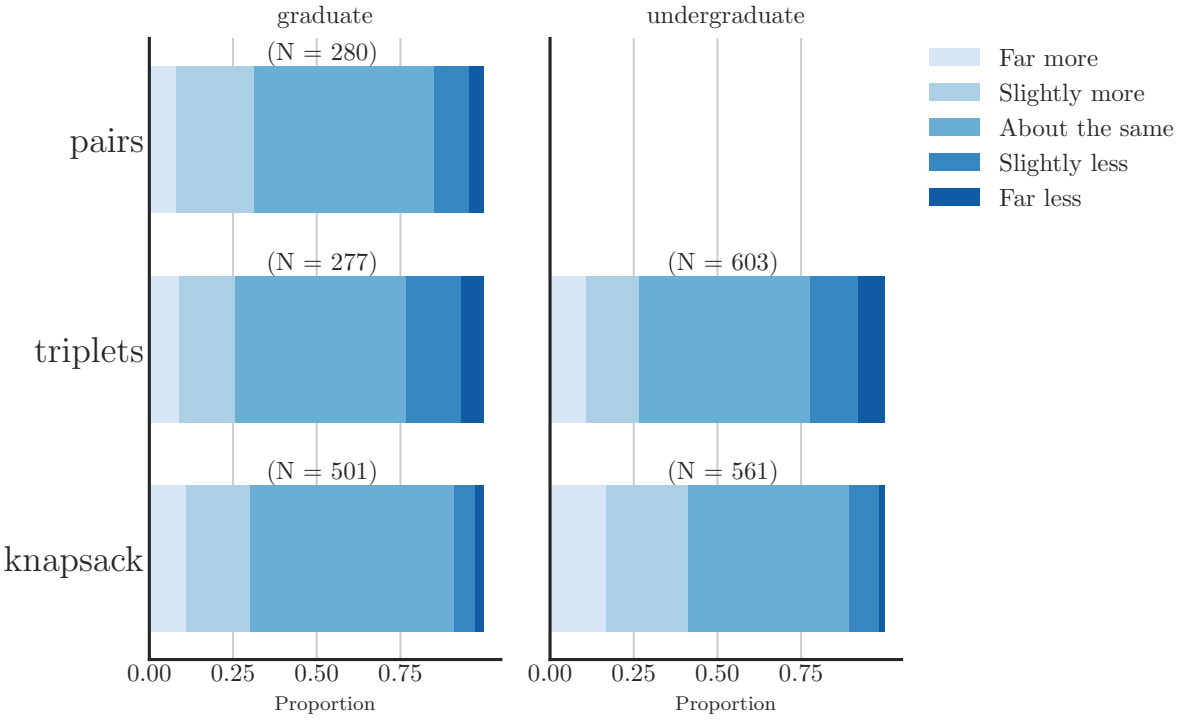



Figure 2: As compared to the official ASSU ballot, how confident are you that your preferences are effectively taken into account?



## Feedback

In the survey, we also posed a number of questions related to the experience of the research ballot. First of all, we asked how easy the PB Stanford ballot was to use. The overall response was quite positive: about 50% of the respondents considered the research ballots slightly or far easier to use than the official ballot (20% far easier), while 12% found the research ballot slightly or far more difficult. As could be expected, the experience was different for different methods. Knapsack voting was clearly considered easier to use (25% considered it far easier), while triplet voting was considered less favorably (although still easier than the official ballot).

It should be acknowledged that the official ballot consisted of more components than just the budget section, but the trend seems that the PB Stanford platform provided a positive experience. It should also be noted that the experience of a different voting method and a different platform/visualization are mixed here.

We see similar trends with the other questions on voter experience: the knapsack vote was considered more favorably than the pairs, the pairs more favorably than the triplets and all methods more favorably than the official ballot. We also see that the undergraduates typically consider the PB Stanford platform easier to use than the graduate students, which we think is caused by the PB Stanford platform being better able to present the larger number of items on the ballot.

As to the question with which method the voters had more confidence that their vote was effectively taken into account, we see especially with the undergraduate voters a large difference between the triplet comparison voting and the knapsack voting. While 21% of the undergraduate respondents had less confidence in triplet voting than the official ballot (25% more confidence), in knapsack voting that is 10% less confidence (40% more confidence). This suggests that for larger numbers of items on the ballots, the voters have less confidence in comparison voting than knapsack voting. This difference is much smaller for graduate students, who have fewer items on the ballot.

Finally, we asked people to provide comments they wanted to share with us. We will share the comments separately with ASSU. Some lessons we draw from this that go beyond what was discussed above:

- Quite a few comments ask for more details about the requests.
- A number of people express appreciation for being forced to think about the bigger picture because of total budget constraints (knapsack)
- People feel that we're asking a different question (especially for the comparisons).
- Some people were under the impression that the knapsack budget applied always to ASSU. In a next occasion, we should be clearer that this maximum is set for research purposes.
- A number of people ask to permit partial funding.
- Feedback on some technical issues with the official ballot.
- Some people like being forced to prioritize some projects over others, while some people really dislike it.
- We got some helpful comments on how the interface could be clearer, but the general tone was positive for knapsack and mixed for comparisons.

All in all, the tone of the comments was much more positive with the knapsack method: people seemed to appreciate the fact that there is a budget to consider. The tone for the comparisons is more mixed: people that left comments didn't like to compare projects as much.

## Resulting rankings

The methods we used in the research ballots can be compared with the official ballot by creating a ranking for each method. We calculated the ranking for the official (yes/no) ballots taking all the votes of the people that also participated in one of the research ballots and ordering the projects by approval percentage. For the knapsack method, the budget items are ranked according to what percentage of voters selected that project for their 'knapsack' (budget selection). For both paired comparisons and triplet rankings, we use a standard mechanism to aggregate such pairwise votes, Copeland's method. These rankings are available in the appendices.

The resulting rankings of the comparisons require further research, but we wanted to share some preliminary findings. For the undergraduate rankings, the top of the ranking is almost identical: no matter what the method, the students seem to be in agreement on the projects that should definitely be funded. The knapsack method results in a fairly similar ranking as the yes/no ranking, with some notable exceptions: Stanford Daily, Stanford Dance Marathon and Stanford Student Space Initiative rank quite a bit higher while BIOME and SMAP ranked lower than on the official ballot (more than 20 places). The triplet ranking deviates more, which is perhaps not surprising, given the large number of projects that needs to be ranked while keeping the number of comparisons limited.

As for the graduate rankings, we see that the general distribution of projects across the ranking is similar, with only local differences (between place 1-3, 4-6 and 7-9) between the different rankings.

It seems that provided with an incentive to choose between projects - either because of a limited budget, or because of a requested comparison - the student population generally arrives at a similar ranking as with a question to approve/disapprove of individual projects. However, some shifts are to be expected.

## Evaluation of the process

After we decided to change the approach from running the budget portion of the ASSU ballot to running a research ballot instead, we used our PB Stanford platform that we also use in city participatory budgeting processes. As part of this research ballot, we implemented a new voting method (triplet comparison) and were able to run the ballot without significant technical difficulties. After the election, we were able to post-validate the research ballot as if it were an official ballot and exclude a few votes that were entered by ourselves as test.

After going through this research ballot, we believe there is a better mutual understanding of what is and isn't possible, providing a good basis for continued collaboration. With this understanding, it should be quite achievable to provide the official ballot for ASSU next year.

The sweepstake vouchers were an effective method to get people to participate in the research ballot and should be considered again next year. The costs ($500 provided jointly by SCDT and ASSU) are not prohibitive, and the turnout was nicely representative.

Besides the research interest, this was for us a good chance to test an all-online setup with a student population. We have received some helpful feedback on the ballot design for a ballot with so many different options, and in the specific ASSU setting (e.g. make clearer what happens with the remaining budget - which is relevant when the budget size approaches the size of the total requests). We set this time an artificial budget cap at a round number near 90% of the requests - but this amount is flexible to be set and should reflect whatever amount is set by the ASSU governing bodies. We could add a default that unspent budget is reflected in lower expenses and a lower student fee - which we can make explicit by adding a 'project' of 'unspent budget' that is then set to the value of the remaining budget.

The feedback was clear that voters want to have more information on the ballot to make an informed choice - especially if we force them to make a choice. In this setup, we tried to mimic the amount of information on the official ballot, to keep them comparable. While presenting more information comes with design challenges, it is a reasonable request. Whatever system is used, we would recommend including more per-project information on the ballot. Voters also indicated an appreciation for better understanding the bigger picture. A visualization/explanation to that effect could also be added to whatever ballot is used next year.

All in all, the research ballots and survey have provided us with some rich data to work with. We can evaluate the differences between voting methods given a high approval rate (not a typical scenario) and the triplet comparisons allow us to learn more about context effects in making a choice. We would be interested in providing another research ballot in 2019.

What question to ask voters is a political choice. We do believe that if ASSU decides to move to a fixed budget, knapsack is a viable method to consider.

## Acknowledgements

We would like to express our thanks to the ASSU for the opportunity to work with them, and in particular thank Jelani Munroe, Luka Fatuesi and Elections Commissioner Paul Serrato. Their trust was essential to make this project happen. We would also like to thank the rest of the Stanford Crowdsourced Democracy Team for their thoughts and input and in particular Richard Diehl Martinez, who was instrumental in getting this collaboration off the ground.

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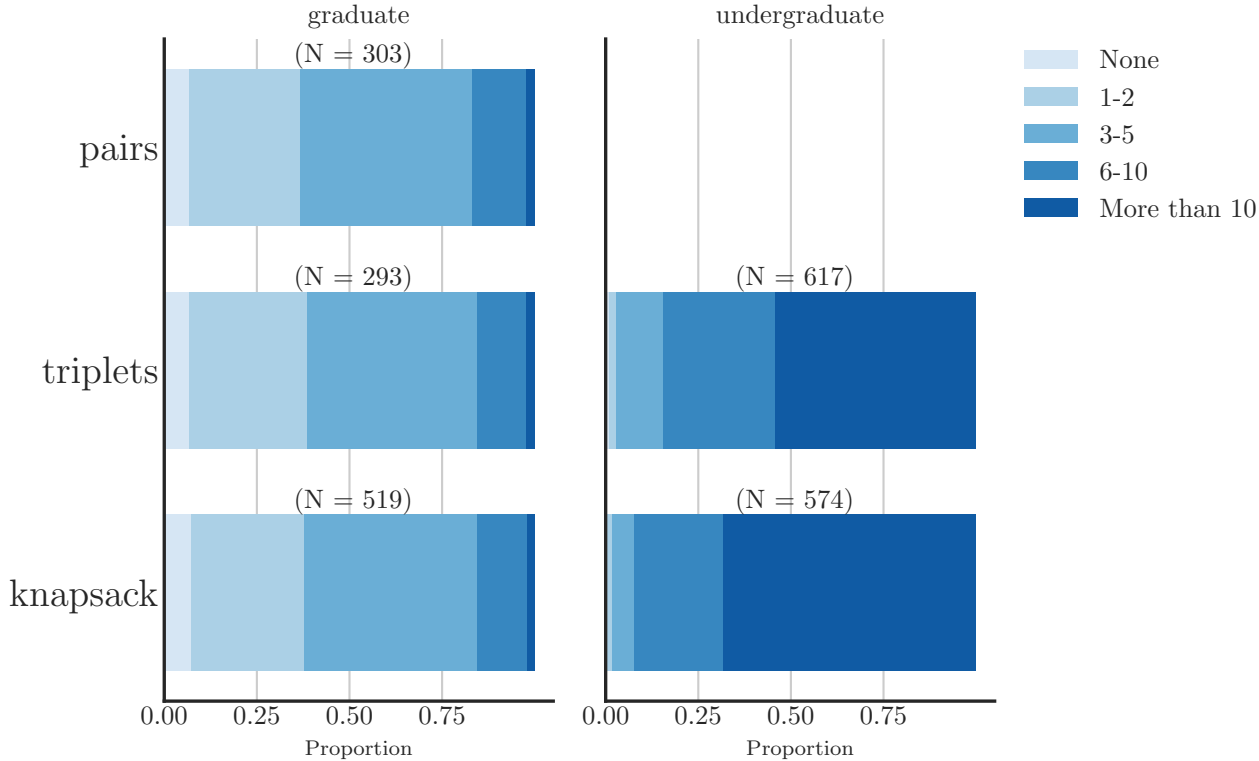
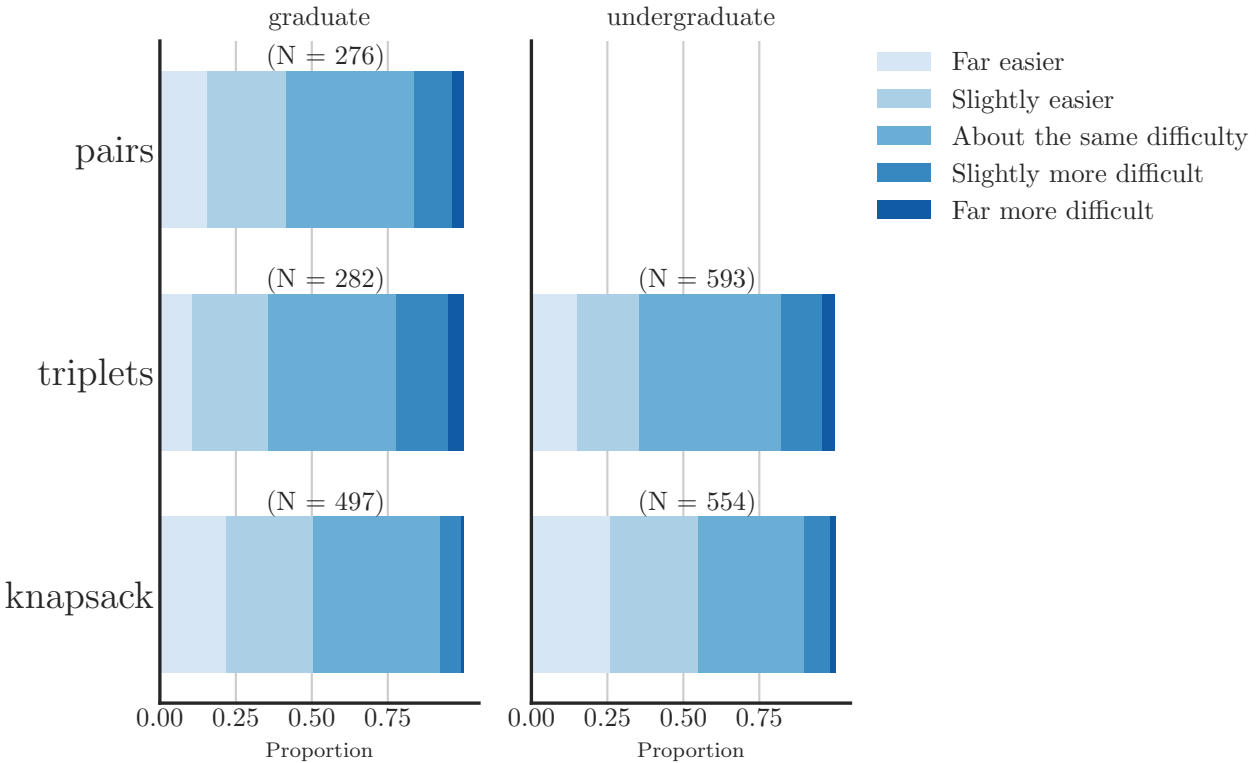
## Appendices

- Appendix 1: Distribution of number of organizations voters were familiar with
- Appendices 2, 3: Plots of remaining voter experience questions
- Appendix 4, 5: Resulting rankings
- Print screens of the research ballots

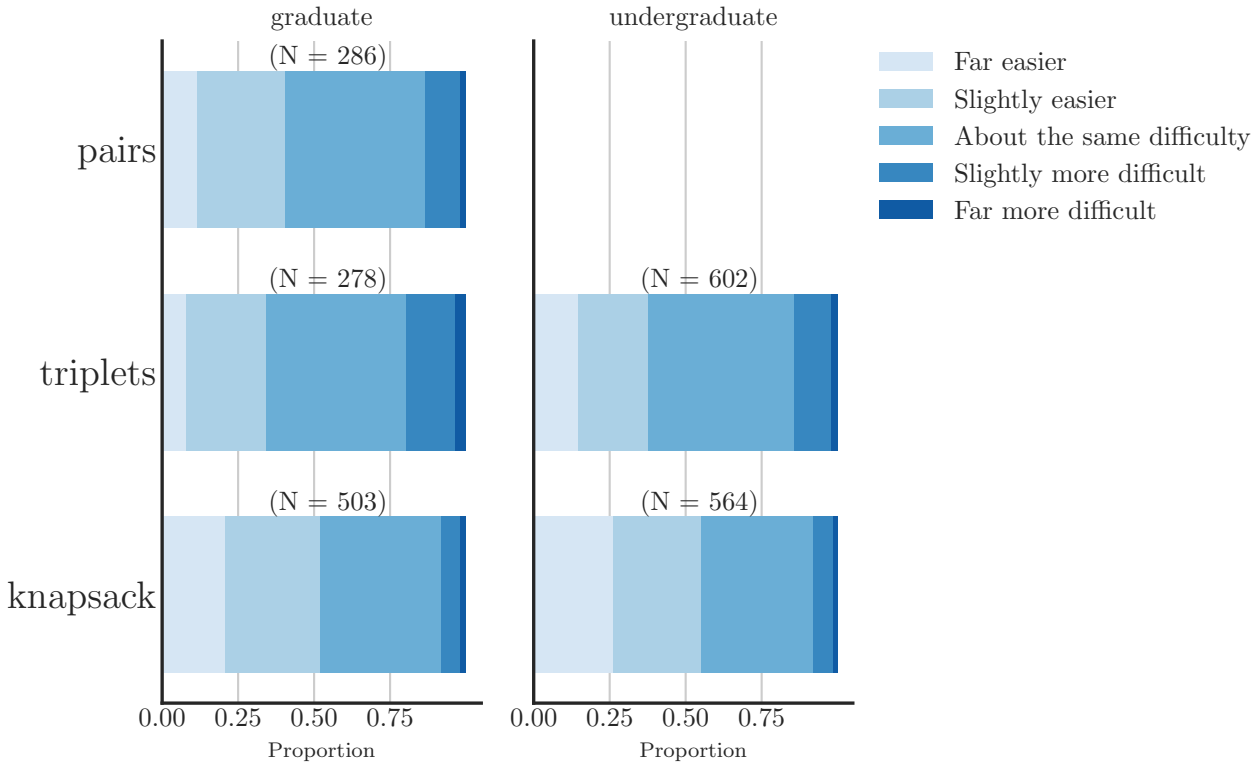
Appendix 1: Of the organizations on the grant ballot, how many did you have knowledge about before voting today?



Appendix 2: As compared to the official ASSU ballot, how easy was it to know how to vote?



Appendix 3: As compared to the official ASSU ballot, how easy was it to understand what you were asked to do?



Appendix 4: Rankings by method for graduate students. Colors indicate difference from official vote ranking.

| Official | Appr. % | Knapsack | Triplets | Pairs |
|---|---|---|---|---|
| Cardinal Free Clinics | 88.5% | Cardinal Free Clinics | Cardinal Free Clinics | Cardinal Free Clinics |
| Educational Studies Program (Stanford Splash) | 79.9% | Educational Studies Program (Stanford Splash) | Stanford Daily | Educational Studies Program (Stanford Splash) |
| Stanford Daily | 75.3% | Stanford Daily | Educational Studies Program (Stanford Splash) | Stanford Daily |
| Stanford Concert Network | 66.1% | Stanford Speakers Bureau | Stanford Club Sports | Stanford Speakers Bureau |
| Stanford Club Sports | 65.7% | Stanford Club Sports | Stanford Speakers Bureau | Stanford Concert Network |
| Stanford Speakers Bureau | 64.6% | Stanford Concert Network | Stanford Concert Network | Stanford Club Sports |
| KZSU Stanford | 61.0% | Stanford Viennese Ball Committee | KZSU Stanford | KZSU Stanford |
| Stanford Viennese Ball Committee | 53.3% | KZSU Stanford | Stanford Viennese Ball Committee | Stanford Viennese Ball Committee |
| Stanford Martial Arts Program (SMAP) | 52.2% | Stanford Martial Arts Program (SMAP) | Stanford Martial Arts Program (SMAP) | Stanford Martial Arts Program (SMAP) |

Color key graduate rankings.

| Distance to Official Rank | Color |
|---|---|
| 0 | |
| 2 | |
| 4 | |
| 6 | |
| 9 | |

Appendix 5: Rankings by method for undergraduate students. Colors indicate difference from official vote ranking.

| Official | Appr. % | Knapsack | Triplets |
|---|---|---|---|
| The Bridge Peer Counseling Center | 95.8% | The Bridge Peer Counseling Center | The Bridge Peer Counseling Center |
| Stanford First Generation and/or Low Income Partnership | 93.9% | Sexual Health Peer Resource Center | Stanford First Generation and/or Low Income Partnership |
| Cardinal Free Clinics | 93.4% | Stanford First Generation and/or Low Income Partnership | Sexual Health Peer Resource Center |
| Sexual Health Peer Resource Center | 93.2% | Cardinal Free Clinics | Cardinal Free Clinics |
| Stanford Undergraduate Research Association | 92.4% | Alternative Spring Break | Black Student Union |
| Stanford Undergraduate Research Journal | 89.5% | Stanford Undergraduate Research Association | Stanford Daily |
| International Undergraduate Community | 88.8% | Stanford Daily | Stanford Undergraduate Research Association |
| Students for a Sustainable Stanford | 88.5% | Students for a Sustainable Stanford | Alternative Spring Break |
| Stanford Outdoor Outreach Program | 88.4% | Stanford in Government | National Association for the Advancement of Colored People |
| Educational Studies Program (Stanford Splash) | 88.0% | Stanford Undergraduate Research Journal | Asian American Student Association |
| Stanford Symphony Orchestra | 88.0% | Black Student Union | Stanford African Students Association |
| Stanford Taiko | 87.7% | Asian American Student Association | Students for a Sustainable Stanford |
| Stanford Women in Politics | 87.7% | Stanford Women in Politics | Educational Studies Program (Stanford Splash) |
| Student Organizing Committee for the Arts | 87.3% | Stanford Symphony Orchestra | International Undergraduate Community |
| Black Student Union | 87.1% | National Association for the Advancement of Colored People | Stanford in Government |
| National Association for the Advancement of Colored People | 86.9% | LSJUMB | Stanford Women in Business |
| The Arab Student Association at Stanford | 86.8% | Stanford Women in Business | LSJUMB |
| Volunteers in Latin America | 86.8% | Stanford American Indian Organization | Stanford Women in Politics |
| Stanford African Students Association | 86.4% | Stanford Outdoor Outreach Program | Stanford Speakers Bureau |
| Stanford in Government | 86.3% | Educational Studies Program (Stanford Splash) | Stanford Undergraduate Research Journal |
| Alternative Spring Break | 86.3% | Stanford Taiko | Stanford American Indian Organization |
| Stanford American Indian Organization | 86.3% | Stanford African Students Association | Stanford Club Sports |
| Stanford Collaborative Orchestra | 86.2% | International Undergraduate Community | Stanford Outdoor Outreach Program |
| Stanford Women in Business | 86.1% | The Arab Student Association at Stanford | Student Organizing Committee for the Arts |
| Muslim Student Union MSAN | 85.8% | Stanford Club Sports | Volunteers in Latin America |
| Stanford Jazz Orchestra | 85.7% | Muslim Student Union MSAN | Muslim Student Union MSAN |
| Stanford Shakespeare Company | 85.7% | Volunteers in Latin America | Movimiento Estudiantil Chicano de Azatlan (MEChA) |
| Asian American Student Association | 85.6% | Stanford Speakers Bureau | Black Family Gathering Committee |
| Jewish Student Association | 85.5% | Jewish Student Association | Stanford Concert Network |
| Stanford Wind Ensemble (Wind Symphony) | 85.2% | Student Organizing Committee for the Arts | Stanford Student Space Initiative |
| Cardinal Calypso | 85.2% | Stanford Bhangra | Stanford Dance Marathon |
| Stanford Speakers Bureau | 84.9% | Stanford Dance Marathon | Society for International Affairs at Stanford |
| Stanford Bhangra | 84.8% | Stanford Jazz Orchestra | Stanford Symphony Orchestra |
| Stanford Daily | 84.4% | Stanford Student Space Initiative | The Arab Student Association at Stanford |
| Stanford Martial Arts Program (SMAP) | 84.3% | Stanford Shakespeare Company | Stanford Political Journal |
| LSJUMB | 84.3% | Mariachi Cardenal de Stanford | Barrio Assistance |
| Mariachi Cardenal de Stanford | 84.1% | Stanford Collaborative Orchestra | Stanford Social Entrepreneurial Student's Association |
| Stanford Robotics Club | 83.8% | Cardinal Calypso | Stanford Robotics Club |
| Stanford Film Society | 83.5% | Stanford Jump Rope | Stanford Solar Car Project |
| Los Salseros de Stanford | 83.4% | Stanford Solar Car Project | Jewish Student Association |
| Stanford Theater Laboratory | 83.3% | Stanford Robotics Club | Everyday People |
| Society for International Affairs at Stanford | 82.6% | Stanford Wind Ensemble (Wind Symphony) | BIOME (Biological Interdisciplinary Open Maker Environment) |
| Stanford Club Sports | 82.6% | Los Salseros de Stanford | Stanford Taiko |
| Basmati Raas | 82.1% | Movimiento Estudiantil Chicano de Azatlan (MEChA) | Mixed Company |
| Mixed Company | 81.9% | Everyday People | Stanford Mock Trial |
| BIOME (Biological Interdisciplinary Open Maker Environment) | 81.8% | Black Family Gathering Committee | Stanford Collaborative Orchestra |
| Stanford Jump Rope | 81.0% | Mixed Company | Stanford Jazz Orchestra |
| Everyday People | 81.0% | Stanford Theater Laboratory | Stanford Viennese Ball Committee |
| Stanford Political Journal | 80.7% | Stanford Political Journal | Stanford Shakespeare Company |
| Barrio Assistance | 80.4% | Society for International Affairs at Stanford | Stanford Wind Ensemble (Wind Symphony) |
| Akasma Bellydance | 80.3% | KZSU Stanford | Stanford Axe Committee |
| Movimiento Estudiantil Chicano de Azatlan (MEChA) | 80.2% | Stanford Film Society | KZSU Stanford |
| Stanford Fleet Street Singers | 80.2% | Stanford Fleet Street Singers | Stanford Jump Rope |
| Stanford Harmonics | 79.9% | Stanford Mock Trial | Stanford Harmonics |
| Stanford Dance Marathon | 79.8% | Stanford Concert Network | Stanford Theater Laboratory |
| Stanford Raagapella | 79.4% | Stanford Raagapella | Stanford Bhangra |
| Stanford Mock Trial | 78.7% | Stanford Axe Committee | Mariachi Cardenal de Stanford |
| Black Family Gathering Committee | 78.2% | Basmati Raas | Cardinal Calypso |
| L'Chayim Club: Chabad at Stanford | 77.6% | Stanford Martial Arts Program (SMAP) | Stanford Mendicants |
| Stanford Social Entrepreneurial Student's Association | 77.6% | Stanford Mendicants | Los Salseros de Stanford |
| Stanford Viennese Ball Committee | 77.5% | Stanford Harmonics | Stanford Martial Arts Program (SMAP) |
| Stanford Solar Car Project | 77.1% | Barrio Assistance | Stanford Film Society |
| Stanford Mendicants | 77.1% | Stanford Viennese Ball Committee | L'Chayim Club: Chabad at Stanford |
| KZSU Stanford | 76.7% | Mint magazine | Basmati Raas |
| Stanford Student Space Initiative | 76.1% | Akasma Bellydance | Stanford Fleet Street Singers |
| Mint magazine | 75.8% | Stanford Social Entrepreneurial Student's Association | Mint magazine |
| Stanford Concert Network | 75.4% | BIOME (Biological Interdisciplinary Open Maker Environment) | SUAVE |
| SUAVE | 74.4% | L'Chayim Club: Chabad at Stanford | Stanford Raagapella |
| Stanford Axe Committee | 73.4% | SUAVE | Akasma Bellydance |
| Stanford Video Game Association | 68.2% | Stanford Video Game Association | Stanford Video Game Association |

Color key undergraduate rankings.

| Distance to Official Rank | Color |
|---|---|
| 0 | |
| 17 | |
| 35 | |
| 52 | |
| 70 | |

Stanford Daily
Stanford Martial Arts Program (SMAP)
Stanford Concert Network
Educational Studies Program (Stanford Splash)
Stanford Viennese Ball Committee
Cardinal Free Clinics
Stanford Speakers Bureau
KZSU Stanford
Stanford Club Sports

**This is only a survey. It will not affect your vote.**

## Instructions

1. Select the projects you would like to support. The total cost cannot exceed **$300,000**, but can be less.
2. You can see the total amount you have allocated so far in the bar above. You can remove any previously selected projects by clicking on the bar or directly by clicking on the chosen project.
3. Click the **"Submit My Vote"** button when you're ready to submit.

Submit My Vote...

### Stanford Daily
**Estimated cost per student:** $5.40
More info

**Total request:** $47,808

Select

### Stanford Martial Arts Program (SMAP)
**Estimated cost per student:** $1.56
More info

**Total request:** $13,832

Select

### Stanford Concert Network
**Estimated cost per student:** $4.93
More info

**Total request:** $43,646

Select

### Educational Studies Program (Stanford Splash)
**Estimated cost per student:** $2.09
More info

**Total request:** $18,463

Select

### Stanford Viennese Ball Committee
**Estimated cost per student:** $0.68
More info

**Total request:** $6,000

Select

### Cardinal Free Clinics
**Estimated cost per student:** $1.01
More info

**Total request:** $8,918

Select

### Stanford Speakers Bureau
**Estimated cost per student:** $10.30
More info

**Total request:** $91,190

Select

### KZSU Stanford
**Estimated cost per student:** $4.45
More info

**Total request:** $39,348

Select

### Stanford Club Sports
**Estimated cost per student:** $7.00
More info

**Total request:** $61,931

Select

Submit My Vote...

# Which project gives the best value for money, that is, provides the most benefit to the community per dollar spent? (1 / 15)

### Stanford Club Sports

**Estimated cost per student:** $7.00
More info

**Total request:** $61,931

This project

### Stanford Daily

**Estimated cost per student:** $5.40
More info

**Total request:** $47,808

This project

I am not sure

# Rank these projects (1 / 10)

Please rank these projects in terms of benefit to the Stanford community per dollar spent. Give the project with the highest benefit rank 1.

### Cardinal Free Clinics

**Total request:** $8,918.00

**Estimated cost per student:** $1.01

More info

### Stanford Daily

**Total request:** $47,808.00

**Estimated cost per student:** $5.40

More info

### Stanford Club Sports

**Total request:** $61,931.00

**Estimated cost per student:** $7.00

More info

(Change the ranking by dragging the ↓↑ icons.)

1 Cardinal Free Clinics ↓↑

2 Stanford Daily ↓↑

3 Stanford Club Sports ↓↑

Skip Submit

This is the Undergrad Fees Log In Page

This is only a survey. It will not affect your fees.

## This is only a preview. Your vote will not be recorded.

### Instructions

1. Select the projects you would like to support. The total cost cannot exceed $1,242,000, but can be less.
2. Click the "Submit My Vote" button at the bottom of the page. You can change your vote as many times as you like before submitting it by returning to this page or clicking on the green undo button.
3. Click the "Submit My Vote" button when you're ready to submit.

Submit My Vote

**Stanford Video Game Association**
Estimated cost per student: $1.12
Vote cost: $
Total request: $14,000
Details

**Stanford African Students Association**
Estimated cost per student: $1.07
Vote cost: $
Total request: $13,337
Details

**Stanford Undergraduate Dental Student's Association**
Estimated cost per student: $0.07
Vote cost: $
Total request: $ 2,700
Details

**Stanford Video Game Association**
Estimated cost per student: $1.12
Vote cost: $
Total request: $14,000
Details

**Mixed Company**
Estimated cost per student: $1.64
Vote cost: $
Total request: $ 2,500
Details

**Jewish Student Association**
Estimated cost per student: $0.75
Vote cost: $
Total request: $ 9,350
Details

**LEARN**
Estimated cost per student: $ 0.24
Vote cost: $
Total request: $4,075
Details

**Stanford Mandarins**
Estimated cost per student: $1.68
Vote cost: $
Total request: $ 7,010
Details

**Stanford Hindu Students Council**
Estimated cost per student: $1.12
Vote cost: $
Total request: $ 14,000
Details

**Jewish Student Association**
Estimated cost per student: $0.75
Vote cost: $
Total request: $ 9,350
Details

**Stanford Wind Ensemble (Wind Symphony)**
Estimated cost per student: $0.07
Vote cost: $
Total request: $ 2,160
Details

**Stanford First Generation and/or Low Income Partnership**
Estimated cost per student: $0.13
Vote cost: $
Total request: $ 2,000
Details

**Kids with Dreams**
Estimated cost per student: $ 0.04
Vote cost: $
Total request: $ 2,000
Details

**SCORE (Dialogue Interdisciplinary Open Water Environment)**
Estimated cost per student: $0.07
Vote cost: $
Total request: $ 2,178
Details

**Black Student Union**
Estimated cost per student: $ 0.13
Vote cost: $
Total request: $ 2,700
Details

**Students for a Sustainable Stanford**
Estimated cost per student: $0.37
Vote cost: $
Total request: $ 6,228
Details

**National Association for the Advancement of Colored People**
Estimated cost per student: $0.07
Vote cost: $
Total request: $ 2,000
Details

**Stanford Mandarins**
Estimated cost per student: $1.68
Vote cost: $
Total request: $ 7,010
Details

**Stanford Jazz Orchestra**
Estimated cost per student: $ 0.04
Vote cost: $
Total request: $ 2,000
Details

**Stanford Martial Arts Program (SMAP)**
Estimated cost per student: $0.07
Vote cost: $
Total request: $ 2,000
Details

**Stanford Film Society**
Estimated cost per student: $ 0.09
Vote cost: $
Total request: $ 2,000
Details

**Sierra Assistance**
Estimated cost per student: $0.37
Vote cost: $
Total request: $ 6,000
Details

**Stanford is Government**
Estimated cost per student: $ 0.13
Vote cost: $
Total request: $ 2,000
Details

**Stanford Concert Network**
Estimated cost per student: $ 0.16
Vote cost: $
Total request: $ 2,500
Details

**Stanford Mock Trial**
Estimated cost per student: $ 0.03
Vote cost: $
Total request: $ 2,100
Details

**Stanford Shakespeare Company**
Estimated cost per student: $ 0.04
Vote cost: $
Total request: $ 2,000
Details

**Sexual Health Peer Resource Center**
Estimated cost per student: $ 0.07
Vote cost: $
Total request: $ 2,000
Details

**Stanford Taiko**
Estimated cost per student: $ 0.04
Vote cost: $
Total request: $ 2,000
Details

**Stanford Chaparral**
Estimated cost per student: $ 0.04
Vote cost: $
Total request: $ 2,000
Details

**Stanford American Indian Organization**
Estimated cost per student: $ 0.13
Vote cost: $
Total request: $ 2,125
Details

**Stanford Student Space Initiative**
Estimated cost per student: $ 0.11
Vote cost: $
Total request: $ 1,746
Details

**Stanford Women in Business**
Estimated cost per student: $ 0.13
Vote cost: $
Total request: $ 2,072
Details

**Stanford Daily**
Estimated cost per student: $ 1.18
Vote cost: $
Total request: $ 17,658
Details

**Stanford Bhangra**
Estimated cost per student: $ 0.16
Vote cost: $
Total request: $ 2,500
Details

**Stanford Jump Rope**
Estimated cost per student: $ 0.04
Vote cost: $
Total request: $ 2,000
Details

**Stanford Undergraduate Research Association**
Estimated cost per student: $ 0.13
Vote cost: $
Total request: $ 2,022
Details

**SUARE**
Estimated cost per student: $ 0.31
Vote cost: $
Total request: $ 5,000
Details

**Stanford Undergraduate Research Journal**
Estimated cost per student: $ 0.13
Vote cost: $
Total request: $ 2,100
Details

**Stanford Speakers Bureau**
Estimated cost per student: $ 0.13
Vote cost: $
Total request: $ 2,100
Details

**Network Confirmed Ad Student**
Estimated cost per student: $ 0.13
Vote cost: $
Total request: $ 2,000
Details

**Stanford Outdoor Outreach Program**
Estimated cost per student: $ 0.04
Vote cost: $
Total request: $ 2,000
Details

**Asian American Student Association**
Estimated cost per student: $ 0.65
Vote cost: $
Total request: $ 10,000
Details

**Rent Family Gathering Committee**
Estimated cost per student: $ 0.18
Vote cost: $
Total request: $ 2,900
Details

**Alternative Spring Break**
Estimated cost per student: $ 0.11
Vote cost: $
Total request: $ 1,500
Details

**Stanford Vietnamese**
Estimated cost per student: $ 0.13
Vote cost: $
Total request: $ 2,072
Details

**Stanford Vietnamese Ball Committee**
Estimated cost per student: $ 0.40
Vote cost: $
Total request: $ 6,000
Details

**Akaana Bellydance**
Estimated cost per student: $ 0.16
Vote cost: $
Total request: $ 2,500
Details

**Stanford Political Journal**
Estimated cost per student: $ 0.09
Vote cost: $
Total request: $ 1,500
Details

**Stanford Rasgayatra**
Estimated cost per student: $ 0.40
Vote cost: $
Total request: $ 6,000
Details

**Hot Linguistics**
Estimated cost per student: $ 0.04
Vote cost: $
Total request: $ 700
Details

**Society for International Affairs at Stanford**
Estimated cost per student: $ 0.13
Vote cost: $
Total request: $ 2,078
Details

**Stanford Robotics Club**
Estimated cost per student: $ 0.13
Vote cost: $
Total request: $ 2,100
Details

**International Undergraduate Community**
Estimated cost per student: $ 0.13
Vote cost: $
Total request: $ 2,054
Details

**Stanford Symphony Orchestra**
Estimated cost per student: $ 0.33
Vote cost: $
Total request: $ 5,000
Details

**Cardinal Free Clinics**
Estimated cost per student: $ 0.13
Vote cost: $
Total request: $ 2,018
Details

**Pascual Bank**
Estimated cost per student: $ 0.13
Vote cost: $
Total request: $ 2,100
Details

**Stanford Fleet Street Singers**
Estimated cost per student: $ 0.04
Vote cost: $
Total request: $ 2,000
Details

**Movimiento Estudiantil Chicano de Aztlán (MECHA)**
Estimated cost per student: $ 0.13
Vote cost: $
Total request: $ 2,100
Details

**Stanford Theater Laboratory**
Estimated cost per student: $ 0.13
Vote cost: $
Total request: $ 2,000
Details

**Volunteers in Latin America**
Estimated cost per student: $ 0.11
Vote cost: $
Total request: $ 1,700
Details

**The Bridge Peer Counseling Center**
Estimated cost per student: $ 0.04
Vote cost: $
Total request: $ 2,000
Details

**Stanford Collaborative Orchestra**
Estimated cost per student: $ 0.18
Vote cost: $
Total request: $ 2,811
Details

**Educational Studies Program (Stanford Splash)**
Estimated cost per student: $ 0.18
Vote cost: $
Total request: $ 2,843
Details

**Stanford Solar Car Project**
Estimated cost per student: $ 0.65
Vote cost: $
Total request: $ 10,000
Details

**Stanford Club Sports**
Estimated cost per student: $ 1.73
Vote cost: $
Total request: $ 10,000
Details

**Stanford Women in Politics**
Estimated cost per student: $ 0.09
Vote cost: $
Total request: $ 1,500
Details

**KZSU Stanford**
Estimated cost per student: $ 0.62
Vote cost: $
Total request: $ 9,600
Details

**Muslim Student Union MSUA**
Estimated cost per student: $ 0.40
Vote cost: $
Total request: $ 6,000
Details

**Student Organizing Committee for the Arts**
Estimated cost per student: $ 0.13
Vote cost: $
Total request: $ 2,000
Details

**Everyday People**
Estimated cost per student: $ 0.11
Vote cost: $
Total request: $ 1,674
Details

**Cardinal Calypso**
Estimated cost per student: $ 0.04
Vote cost: $
Total request: $ 2,000
Details

Submit My Vote

# Rank these projects (1 / 10)

Please rank these projects in terms of benefit to the Stanford community per dollar spent. Give the project with the highest benefit rank 1.

### Movimiento Estudiantil Chicano de Azatlan (MEChA)

**Total request:** $33,200.00

**Estimated cost per student:** $4.99

More info

### Stanford African Students Association

**Total request:** $44,437.00

**Estimated cost per student:** $6.68

More info

### Kids with Dreams

**Total request:** $6,062.00

**Estimated cost per student:** $0.91

More info

(Change the ranking by dragging the ↓↑ icons.)

1. Movimiento Estudiantil Chicano de Azatlan (MEChA) ↓↑
2. Stanford African Students Association ↓↑
3. Kids with Dreams ↓↑

Skip Submit