Understanding the Effects of Endorsements in Scientific Crowdfunding



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Research Funding Crisis

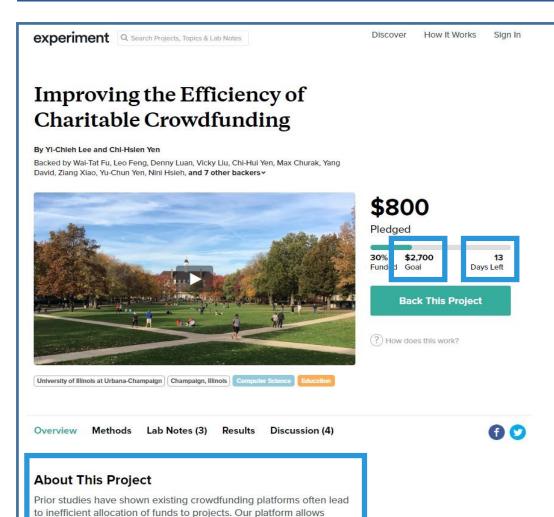




Alternative Source of Research Funding



An Example Scientific Crowdfunding Campaign



donors to express preferences of multiple projects and reallocate

Budget

We will use most of the budget to pay the participants who join our experiments and interviews. We will visit more than 20 public schools in the Illinois state and conduct workshop as well as interviews with the teachers to know their experience with using crowdfunding platforms. We want to adopt our new system in the educational crowdfunding and help schools raise funds for improving teaching quality.

Therefore, our first step is to interview the teachers who have used any crowdfunding platforms before. In addition, we will conduct interviews with (potential) donors to understanding their consideration of donating their money. Based on their experience, we can modify our system and propose a new crowdfunding platform for helping educational crowdfunding campaigns.

Our future goal will extend the system to various charitable crowdfunding platforms to help charity crowdfunding can work efficiently.



 Recruit participants (Creators)

Transportation



\$1,100

\$500



Endorsed by

I am writing to endorse the campaign launched by Yi-Chieh and Chi-Hsien. Yi-Chieh and Chi-Hsien are working as my PhD students for the last two years. They are one of the most passionate and enthusiastic researchers I have ever met. They painstakingly worked to build a more efficient and more practical economic model for donors of the charitable crowdfunding campaigns. Now, they desperately in need of this funding to experimentally prove that there model can work better than the exiting systems. I donated to this project myself, I hope you will

I'm Yi-Chieh's MS advisor. This study aims to solve an important problem in crowdfunding. It could really benefit both donors and fundraisers and thus foster the development of crowdfunding.



Wen-Chieh Lin

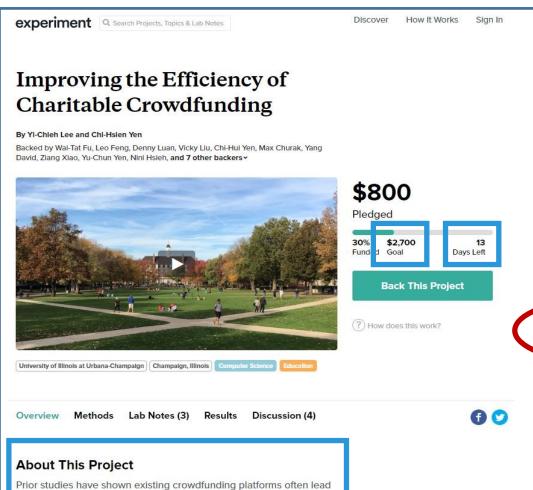
National Chiao Tung University

Wal-Tat Fu

Associate Professor

University of Illinois at Urbana-Champaign

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Wen-Chieh Lin

National Chiao Tung University

to inefficient allocation of funds to projects. Our platform allows donors to express preferences of multiple projects and reallocate

Wal-Tat Fu

University of Illinois at Urbana-Champaign

Endorsements: In Other Forms



Letter of Recommendation



Celebrity Endorsement



Purpose of Endorsements in Scientific Crowdfunding

Experts' Endorsements



Potential
Non-expert
Donors

An Example Scientific Crowdfunding Campaign



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Wal-Tat Fu
Associate Professor
University of Illinois at Urbana-Champaign

Research Goal

To understand how endorsements are related to the success of Scientific Crowdfunding Campaigns

Study Design

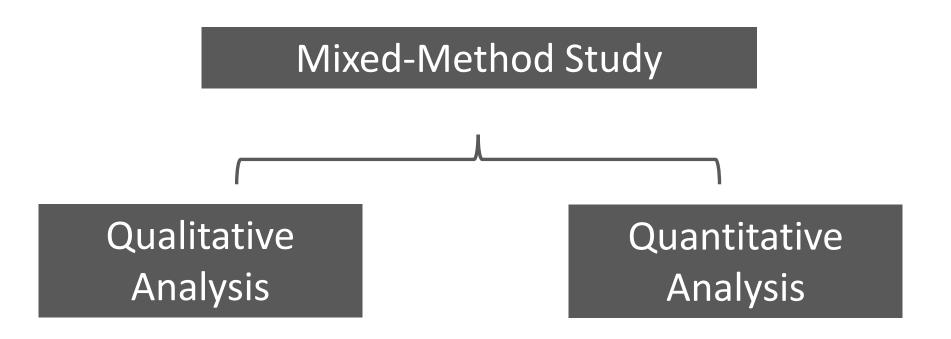
Study Material

337 Scientific Crowdfunding Campaigns (Experiment.com)

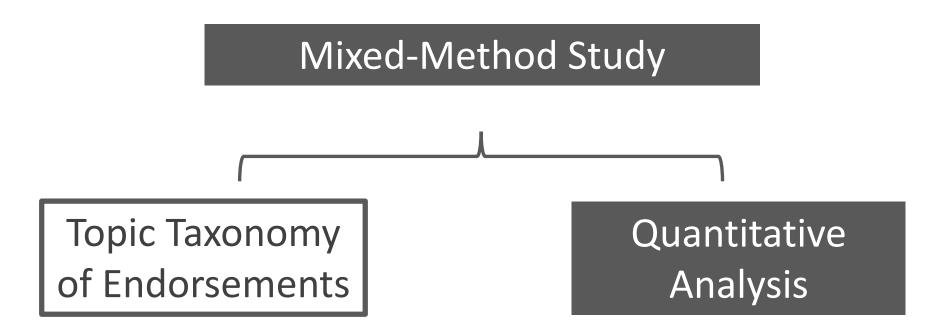
211 Successful Campaigns Campaigns

810 Endorsements

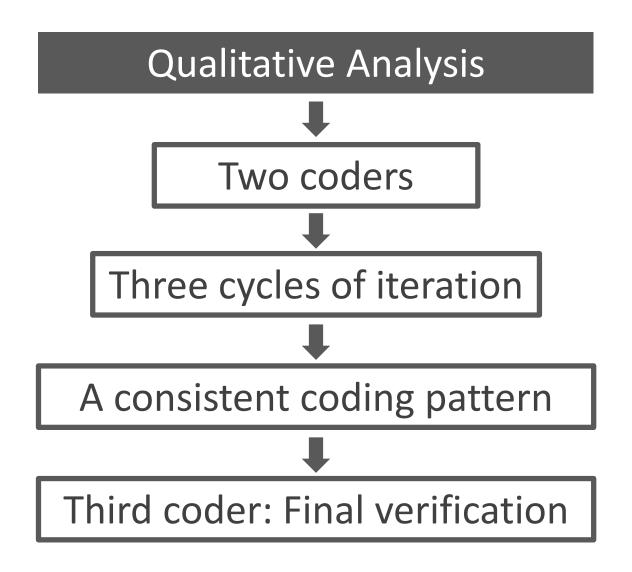
Study Method

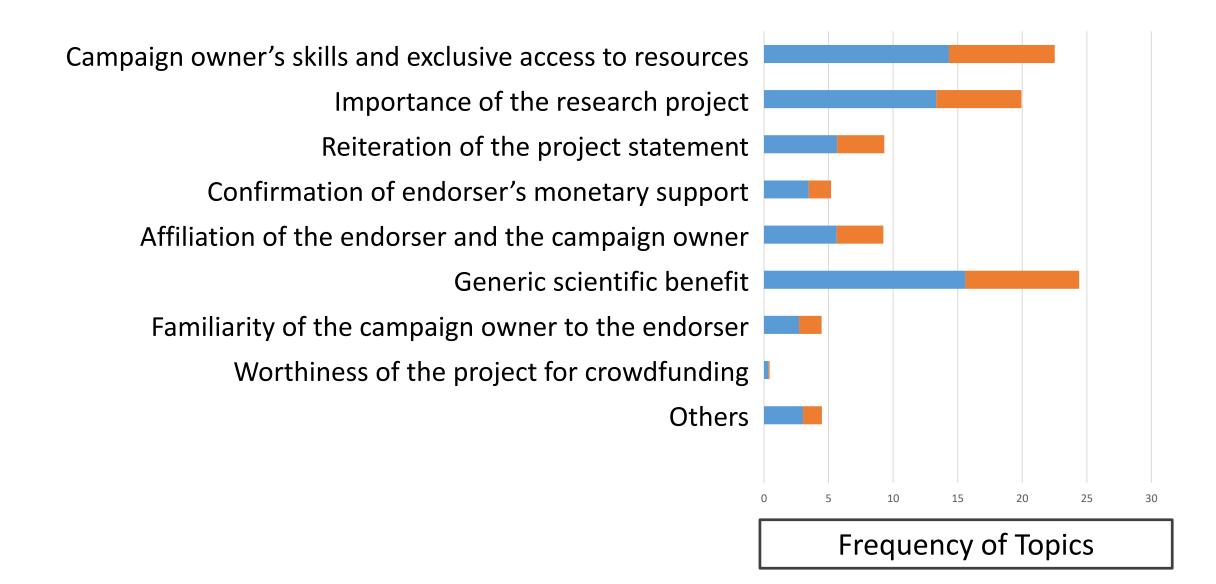


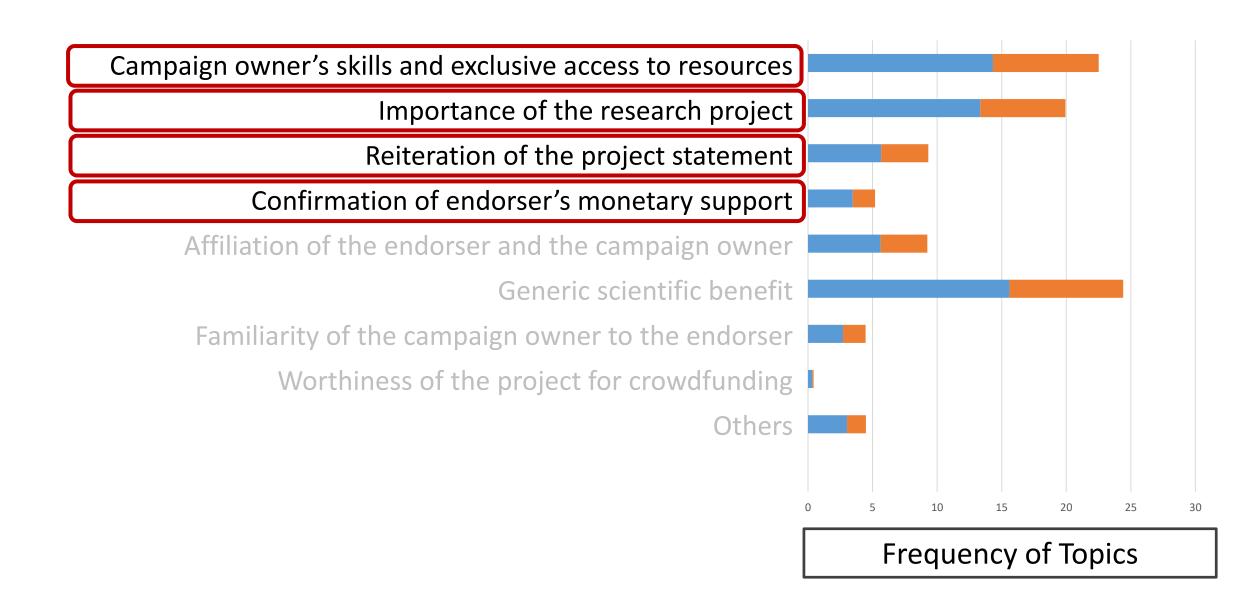
Study Method



Topic Taxonomy of Endorsements







Campaign owner's skills and exclusive access to resources

Example: Dr. Hopkins is an Outspoken advocate for human rights, and a passionate, enthusiastic, and hard-working researcher whose contributions are widely known and respected"(E259)



Campaign owner's skills and exclusive access to resources

Importance of the research project

Example: I am really excited for the project. The benefits have interesting theoretical implications. The study design is straightforward, the analytical techniques are appropriate, and the insights gained will be valuable"(E139).

Campaign owner's skills and exclusive access to resources

Importance of the research project

Reiteration of the project statement

Example: "Dr. Michael Ferro's proposed a project to conduct an expedition to the West Coast of America to document previously unknown species in the genus Sonoma" (E109).

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I WILL NOT REPEAT MYSELF AGAIN,
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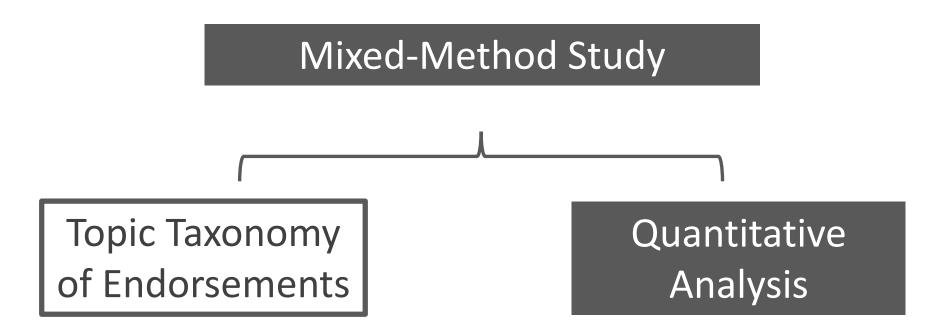
Confirmation of endorser's monetary support

Example: I am glad to **financially support** the novel approach being proposed to detoxify sewage.

Please donate for this project " (E98).



Study Method



Study Method



Topic Taxonomy of Endorsements

Factor Analysis & Logistic Regression

Quantitative Analysis: Factor Analysis

- 1. Campaign owner's skills and exclusive access to resources
- 2. Importance of the research project
- 3. Reiteration of the project statement
- 4. Confirmation of endorser's monetary support
- 5. Affiliation of the endorser and the campaign owner
- 6. Generic scientific benefit
- 7. Familiarity of the campaign owner to the endorser
- 8. Worthiness of the project for crowdfunding
- 9. Others

Quantitative Analysis: Factor Analysis

		Beta-Coefficient	P-Value
1.	Campaign owner's skills and exclusive access to resources	0.31	0.03*
2.	Importance of the research project	-0.10	0.63
3.	Reiteration of the project statement	-0.63	0.02*
4.	Confirmation of endorser's monetary support	0.24	0.03*
5.	Affiliation of the endorser and the campaign owner	-0.08	0.81
6.	Generic scientific benefit	0.08	0.69

- 7. Familiarity of the campaign owner to the endorser
- 8. Worthiness of the project for crowdfunding
- 9. Others

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 Informative and passionate endorsements are more effective than generic endorsements

Effective

Kaitlin has already completed significant work on the language, culture, and history of marriage equality. This research project will be an extraordinary opportunity for her to apply that knowledge and to understand history being made --as Ireland faces a national referendum on

Not-Effective

This is a great project from a great team! Please join me in supporting them.

Informative and Passionate

marriage in May 2015.

Generic

 Informative and passionate endorsements are more effective than generic endorsements

 Endorsements focusing on campaign owner's skillsets are predictive to success

Effective

inquisitive, energetic young physician who practices medicine with passion. She could be the first to answer the question many women have regarding the use of placenta remedies.

Not-Effective

Understanding the factors that determine what water people drink is essential if effective, long term solutions are to be found. This is a low risk- high gain project. I strongly endorse it.

Importance of the Project

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 Endorsements focusing on campaign owner's skillsets are predictive to success

 Platform designers can provide more specific guidelines to campaign owners to collect more effective endorsements

Broader Impact of Persuasiveness of Language

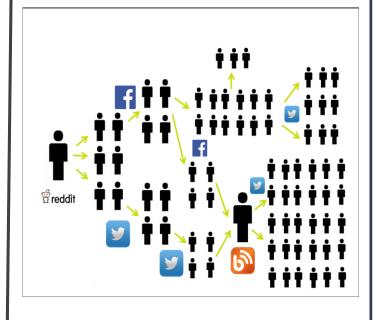
Persuasive Speech by Politicians



Catch-phrase in Advertisements



Virality in Social Network



Thank You

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Sanorita Dey



Karrie Karahalios



Wai-Tat Fu

Group Website

http://cascade.cs.illinois.edu/

Crowdfunding Projects @ UIUC http://crowdfund.cs.illinois.edu/