



Survivability of Faith-Based Nonprofits

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Agenda

- Motivation
- Findings
- Predicting Survivability
- Recommendations
- Acknowledgements

Mandatory
'Nonprofit fly'
to elicit feelings
of sympathy.
(See if you can spot
him in every slide)



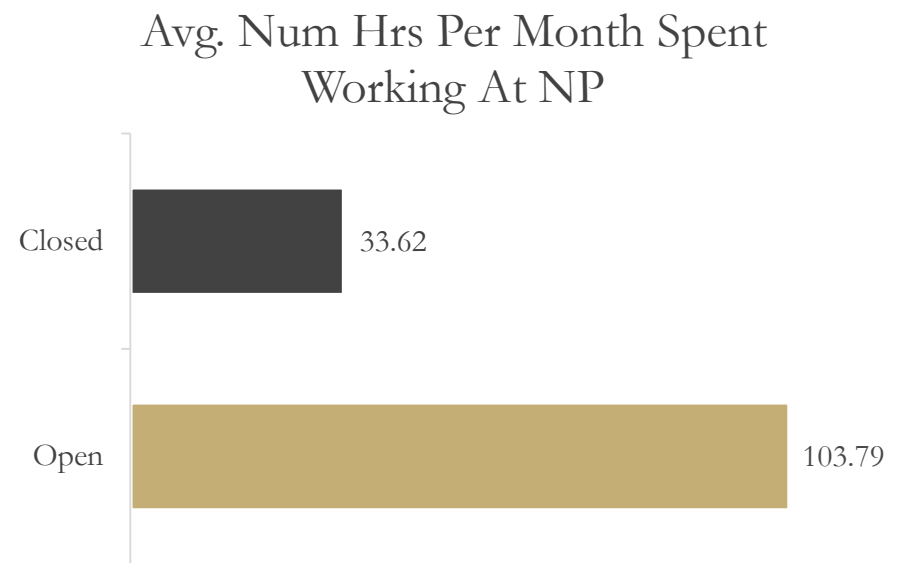
Motivation





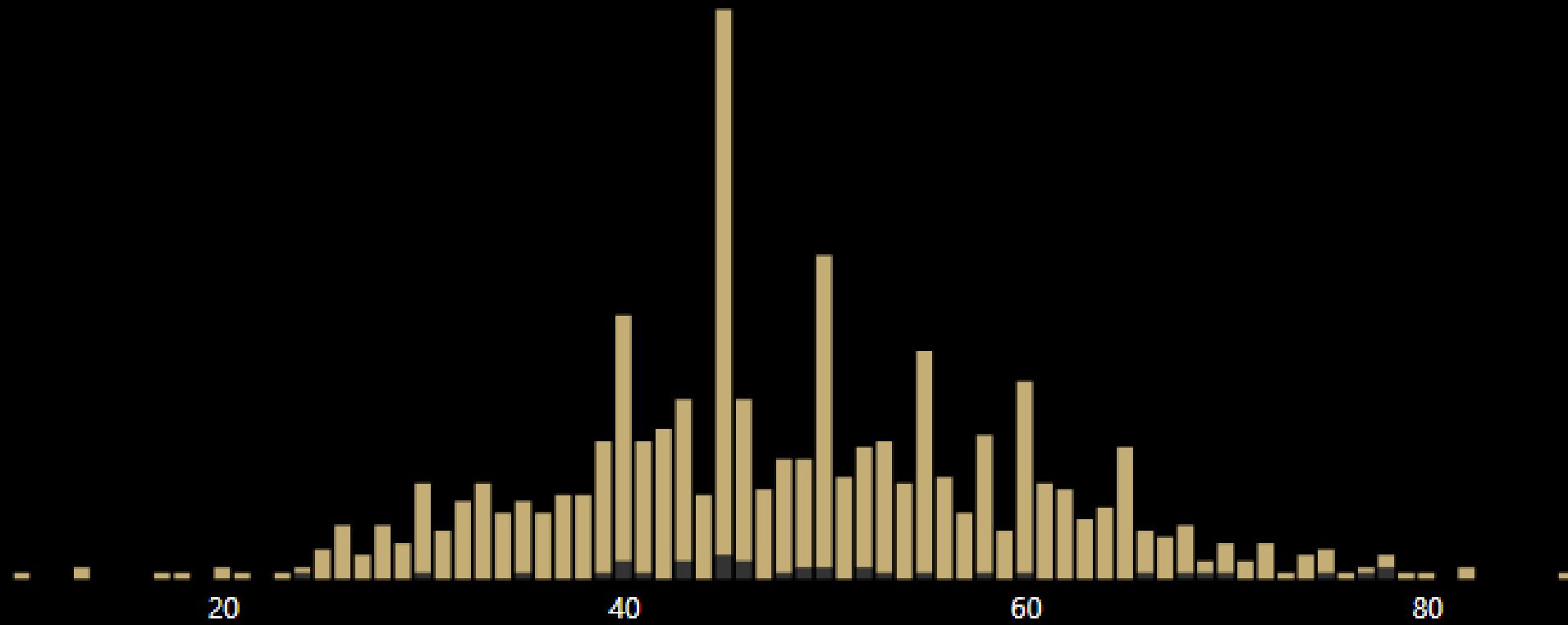
Findings

Founders



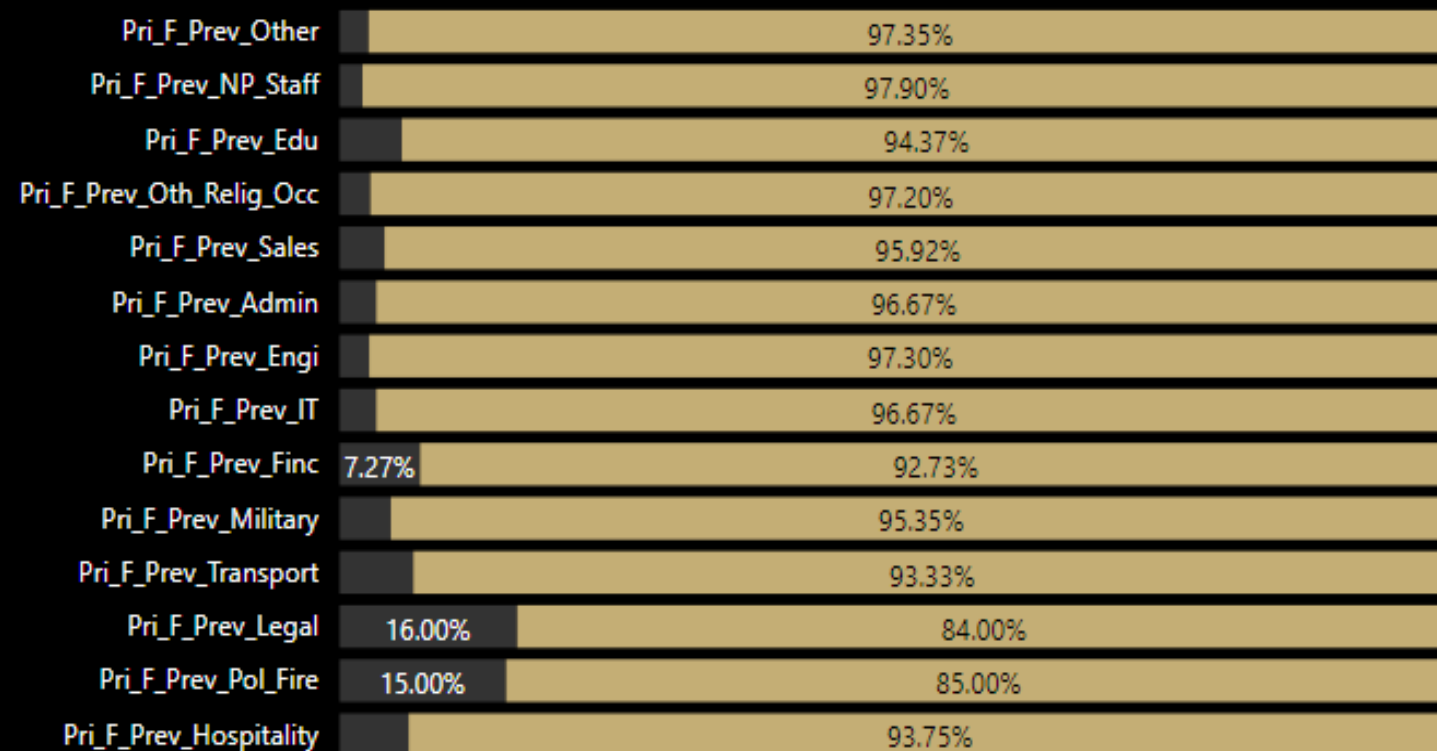
Age of Primary Founder When NP Started

● Closed ● Open



Prev. Occupation of Primary Founder

● Closed ● Open



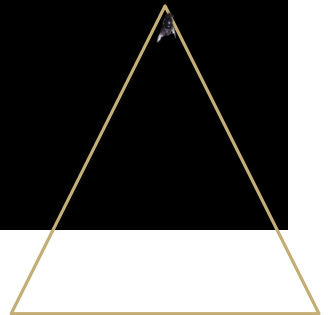


Budget

Nonprofits that created a budget were

x2.6

more likely to stay open than those without



Budget

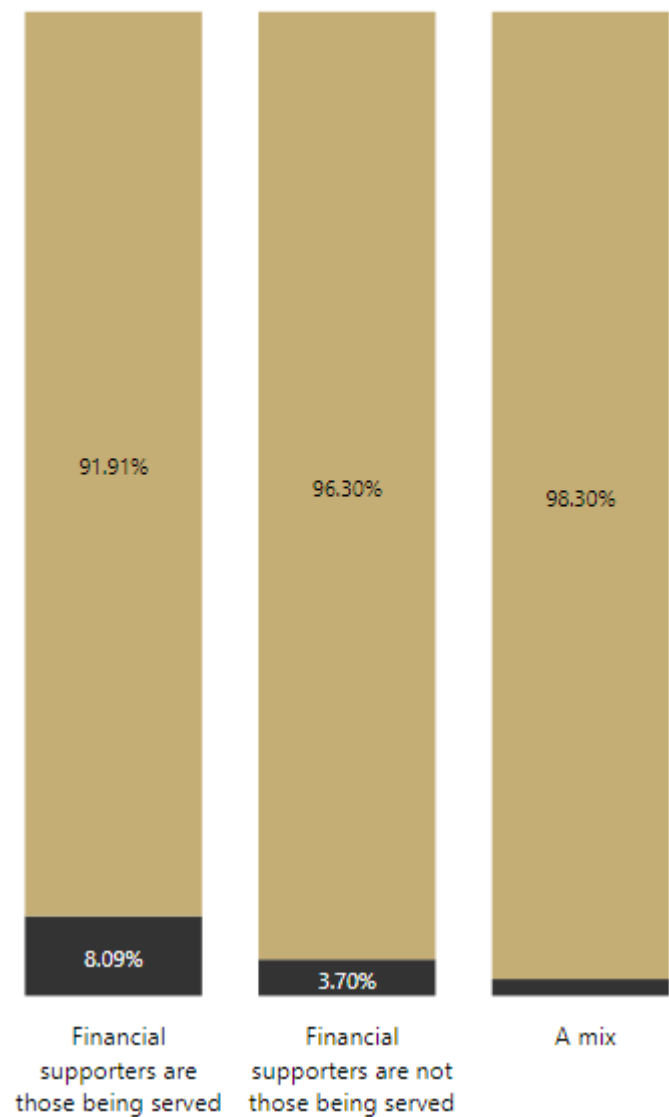
% of Budget Sponsored By

● Finc_Indiv_Gifts_Don ● Grant_Don_Bus_Corp ● Grant_Don_Sec_Found ● Grant_Gov ● Grants_Don_Denom_Off ● Grants_Don_Relig_Cong ● Grants_Don_Relig_... ● Memberships ● Other ● Sales_Goods ● Spec_Fundraise



Who Benefits From Donations

● Closed ● Open



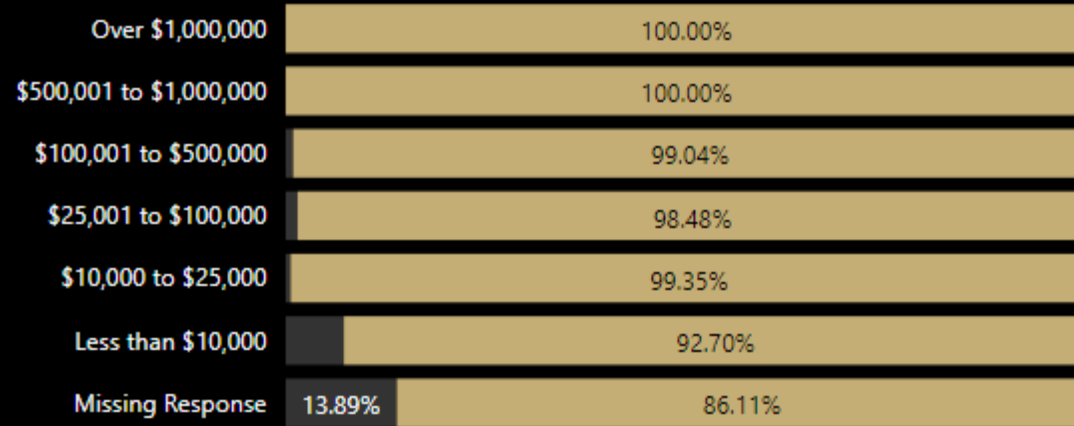
Does Any Portion of the Budget Come From Gifts/Donations

● Closed ● Open



Revenue Previous Year

● Closed ● Open





Other Findings

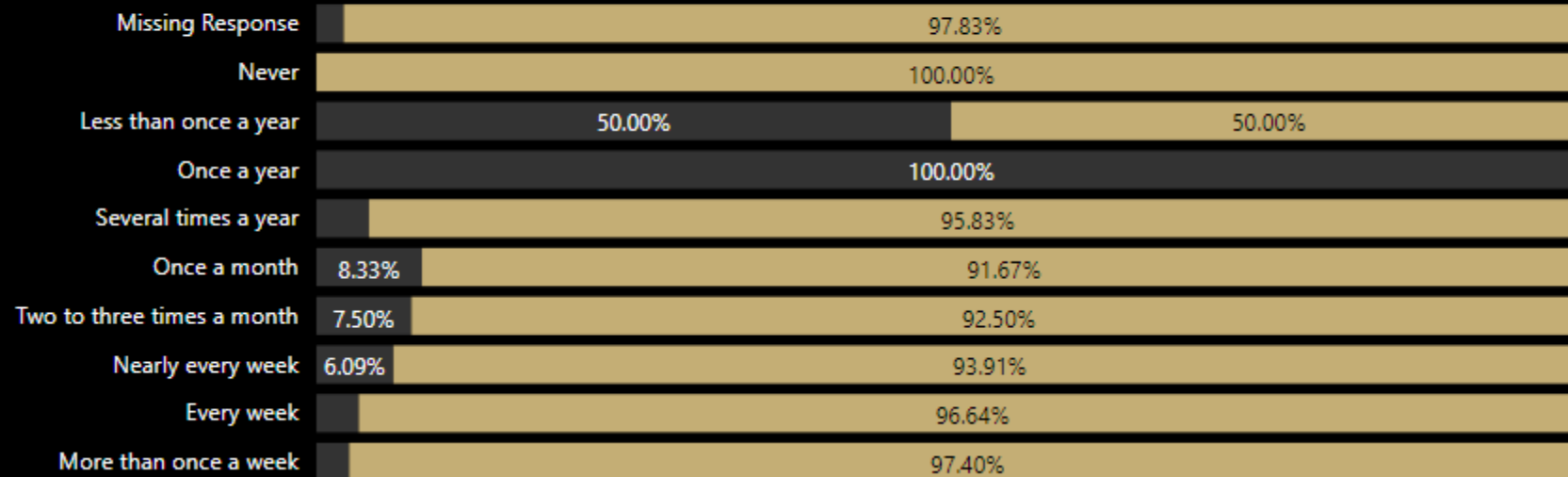


Nonprofits benefiting Africa and South America are 2-3 times more likely to close than other nations



Frequency of Attending Religious Services

● Closed ● Open



NP that have Facebook

● Closed ● Open

No FB Account 93.98%

Has FB Account 99.11%

NP Has Twitter

● Closed ● Open

No Twitter Account 95.29%

Has Twitter Account 99.27%

NP Opened Bank Account

● Closed ● Open

Opened Bank Account 96.34%

Did Not Open Bank Account 91.36%

NP Has Website

● Closed ● Open

Has Website 98.34%

No Website 90.94%

NP Gained Tax Exemption from IRS

● Closed ● Open

IRS Tax Exempt 96.28%

Not IRS Tax Exempt 91.04%

NP Used Physical Space

● Closed ● Open

Used Physical Space 97.54%

Did Not Use Physical Space 93.05%



Predicting Survivability

Comparing Accuracies of Algorithms

BASELINE

95.89%

RANDOM FOREST MODEL

96.01% ↑

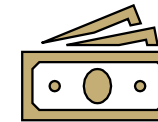
Recommendations



ONE:
Create Data
Education
Opportunities For
NPs



TWO:
Work With NP to
Formulate Effective
Surveys



THREE:
Create Incentive For
Survey Takers



FOUR:
Make Data Freely
Available



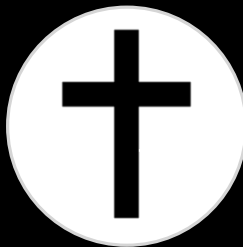
Thank You



Noelle Brown
For Being the Yoda to my Luke



Eric Simmons
For keeping me alive these
3 months



Jesus Christ
For redeeming me &
making my life
worth living

