

Raise[®]
2022

5 Ways Fundraisers Can Beat Inflation

Michael Gorriarán

ARJUNA



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President, Arjuna Solutions

- › 4+ Years, Arjuna Solutions
- › 30+ Years Microsoft, Xerox
 - Advanced Tech Solutions & Services
- › USA, LATAM, Europe, Global Leadership Roles
- › MBA, Kellogg School of Mgt, Northwestern U.
- › Former Chairman, OCHA
 - Oregon Council Hispanic Advancement 501(c)(3)

Decisions-as-a-Service for Nonprofit Fundraising

Behavioral Economics Modeling and AI Services

Founded by a Professor of Decision Sciences, Johns Hopkins University

- 2013 Established in Business as LLC
- 2014 Patents Awarded. R&D for ~4 years.
- 2018 Available to Nonprofits. Direct response fundraising, annual giving \$15–\$10,000
- 2018–22 AI Technology/Service Delivery, and Domain Expertise. C-Corp
- 2018–22 ~10B Records Processed. Influenced over \$100M+ in donations

Agenda

- › Today's giving environment
- › Responding to inflation
 1. Focus on improving net proceeds
 2. Optimize donor lifetime value
 3. Personalize relationship investment decisions at scale
 4. Find new value in lapsed donor campaigns
 5. Measuring fundraising performance



Today's Fundraising Environment



Fundraising Environment

Post-COVID-19 Vaccinations: Q4 Spending +

› \$\$\$+ entertainment, dining, clothes, travel, cars...

Inflation

› Less disposable income

- Donor elasticity declining <\$75
- Donations < \$100 Annually (73% Pop.)

› Fundraising cost increases

- Direct mail: rising cost of paper, envelopes, postage, freight, labor (+15% to 20% YoY)
- Digital: increasing cost of platform, apps, integration, ongoing management and labor

Episodic giving increasing +

› War, courts, laws, natural disasters, social

COVID-19 and philanthropy: How donor behaviors are shifting amid pandemic

THE NONPROFIT TIMES
The Leading Business Publication For Nonprofit Management

Articles & Reports Store Software Reviews Training Hiring NPT Finance (NEW) About

Special Report

Giving USA Data Shows \$18.6B Lift Flattened By Inflation

by Paul Clotery and Peggy Wright Tuesday | June 21st, 2022

Direct Mail Paper Costs are Increasing
March 3, 2021 Blog, PMG News

Here's what you need to know about increasing paper costs:

Paper costs have been stable for quite some time, but supplier partners have alerted us to price increases in mills beginning in March. These increases affect coated and uncoated stocks commonly used in direct mail packages.

Record-breaking donations raise almost £62m for Ukraine in a week

By Eleonora Pilastro
Published 12 May 2022

National Council of Nonprofits

New Giving Data and Reports: Giving Stays Flat, and Worrisome Trend of Fewer Donors Continues

June 23, 2022 By Amy Silver O'Leary | Posted in: Fundraising | Giving | Data

Fewer donors. Smaller gifts.
Net-negative growth after inflation

1

Focus On Improving Net Proceeds From Fundraising Campaigns



Maintain Dynamic Economic Models for Each Donor

Improve Net Proceeds (NP)

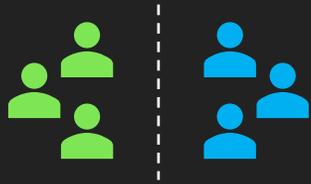


$$NP = (\text{Avg gift} \times \# \text{ Donors}) - (\text{Cost of solicitations})$$

Improve Net Proceeds

Behavioral Economics Modeling with AI (BEM-AI)

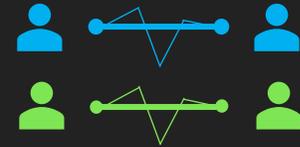
Enhance lift in
annual giving



Optimize
lifetime giving

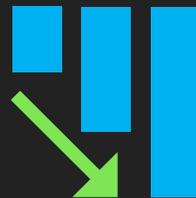


Advance donors
across segments



Optimize solicitation costs

10 - 30%



2

Optimize Donor Lifetime Value

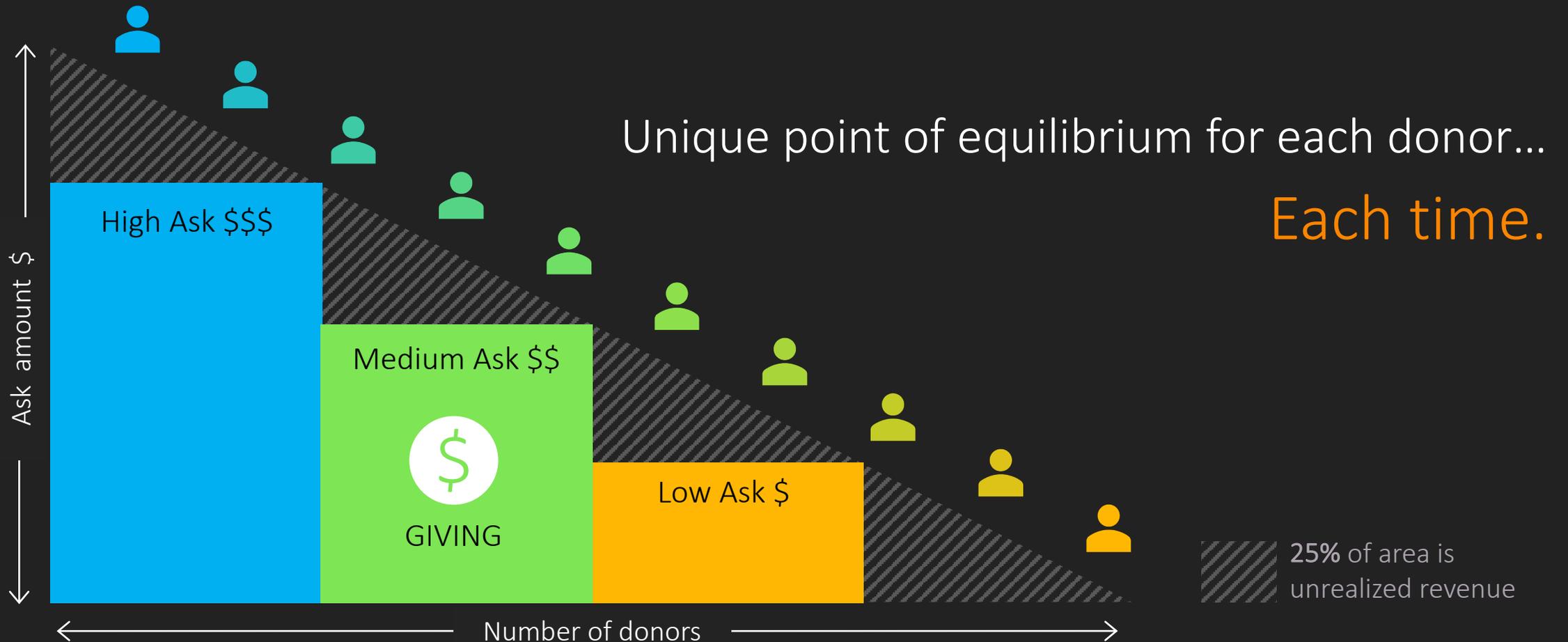
- › Retain donors—first
- › Know precisely how much to ask today
- › Advance donors across giving segments



Improve Giving Levels

Problem: Suboptimized giving performance

Solution: AI personalized, optimized, time sensitive, gift array values

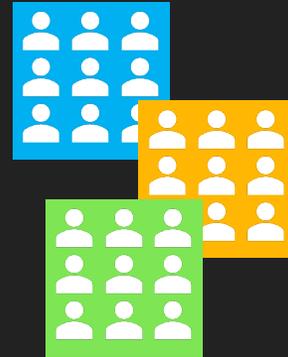


Fundraising Methods



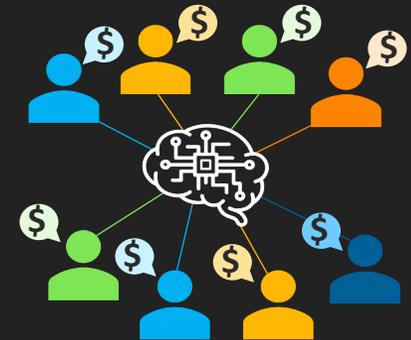
Major giving

- Requires a one-to-one “ask”
- Deep relationship cultivation
- Useful for substantial gifts



Broad giving segments

- Standard gift arrays (RFM)
- Transactional relationship
- Useful for simplicity in fundraising



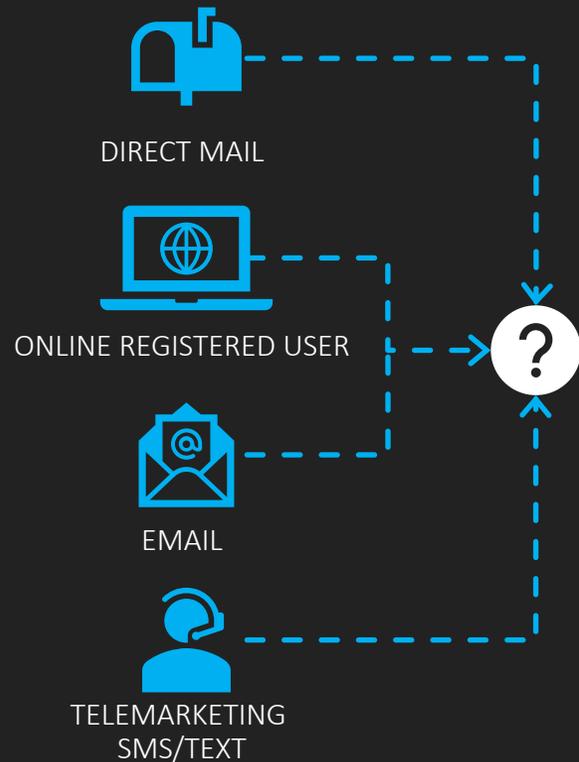
Segment of 1 @ scale

- Individually optimized gift arrays
- Personalized giving insights at scale
- Useful in optimizing lifetime giving

Dynamic personalization
and optimization at scale

Dynamic Personalization and Optimization at Scale

Donor experience Gift solicitation channels



Speculating vs. knowing

Yes, I/we want to support the Kellogg School of Management

1. MY GIFT AMOUNT:	2. MY AREA OF SUPPORT:	3. MY PAYMENT METHOD:
<input type="radio"/> \$500 <input type="radio"/> \$250 <input type="radio"/> \$100 <input type="radio"/> \$_____	\$_____ Scholarships [KSDS] \$_____ Global Innovation [KSMA] _____	<input type="radio"/> Check payable to Kellogg School of Management <input type="radio"/> Phone 847-491-2841 <input type="radio"/> _____

Please specify the gift amount and area of support below:

\$1,000 \$750 \$500 \$300 Other \$_____

Lundquist College of Business Investors Fund (1135.12.1)
 President's Success Fund (7971.12.1)
 Pathway Oregon Scholarships (6703.12.1)
 Other _____

Make your gift any of the following ways:

Make your gift online at giving.uoregon.edu
 Check, payable to: University of Oregon
 Credit/debit card

ID: 286246 APL
Mr. Michael B. Gor
0716 SW Castle R
Portland, OR 972

Yes, Steve! I want to help children who are struggling to BREATHE! I have enclosed my most generous, tax-deductible gift to provide medicine to give them health and hope:

«\$ASK1» to help «XX1» children breathe
 «\$ASK2» to help «XX2» children breathe
 «\$ASK3» to help «XX3» children breathe
 other \$_____ to help as many children as possible

Mr. John Sampleperson
ABC Company
123 Main Street, Suite 456
Boston, MA 02129

0001234500067890111234000567000

REPLY FORM

I have enclosed my **check** payable to MAP International.
 I am giving by **credit card** or **bank transfer**. Please see other side.

map INTERNATIONAL | medicine for the world

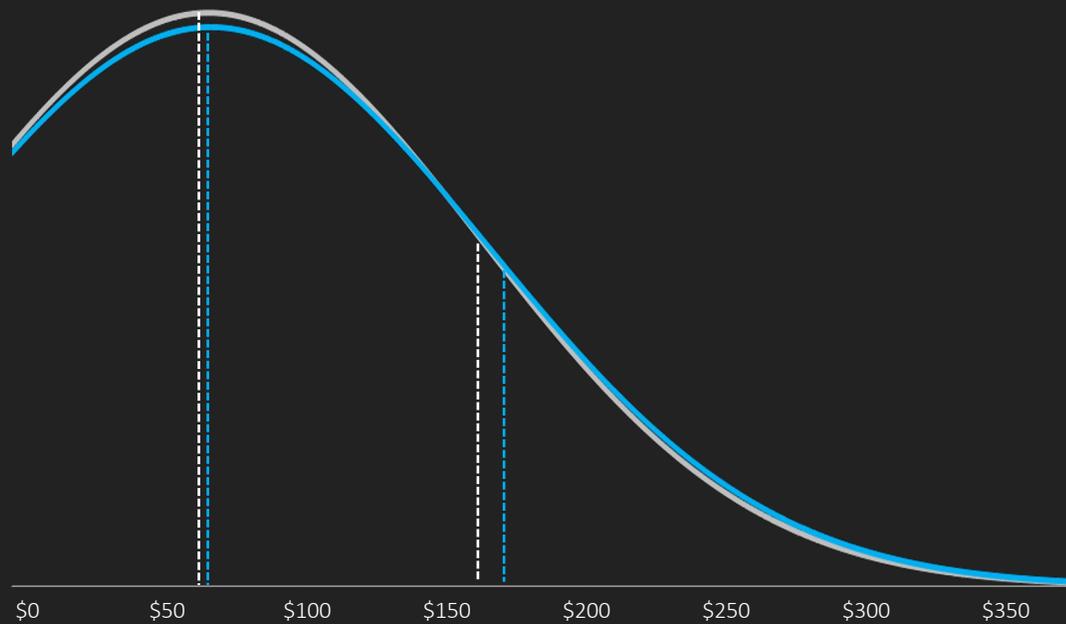
4700 Glynco Parkway | Brunswick, GA 31525
1-800-225-8550 | www.map.org

Donate online at www.map.org/breathe

Sign up for your FREE MAP International Newsletter. See back.

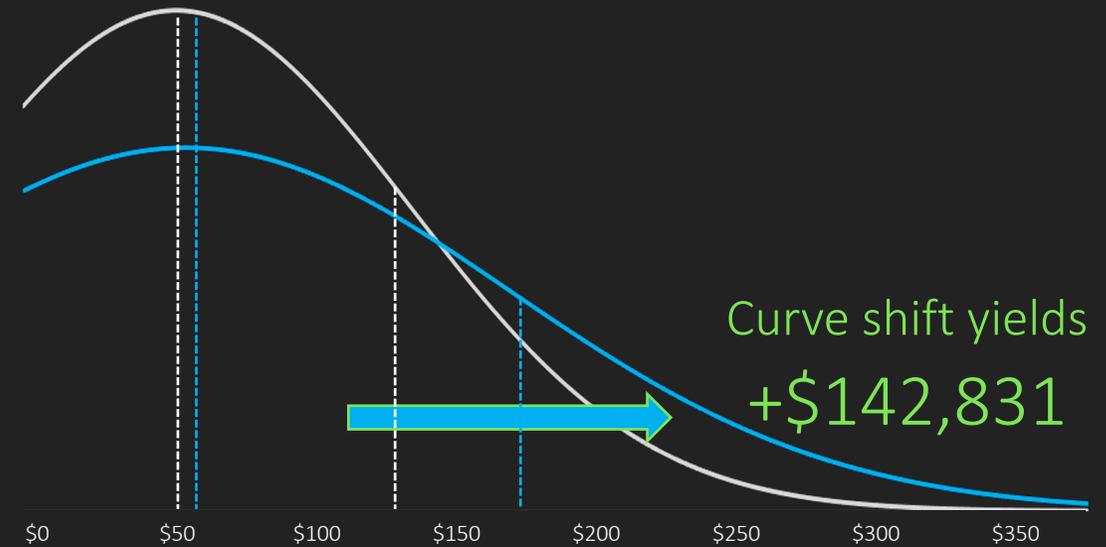
Influencing Behavior: A Statistically Material Shift

Three-year Avg. Donor Giving Behavior
Distribution of Historic Control vs Treatment



Control Group		Treatment Group	
Avg single gift	Stdev	Avg single gift	Stdev
\$68.38	\$94.49	\$69.18	\$96.91

Gifts After AI Treatment
Distribution of Pilot Time Period Donation Amounts

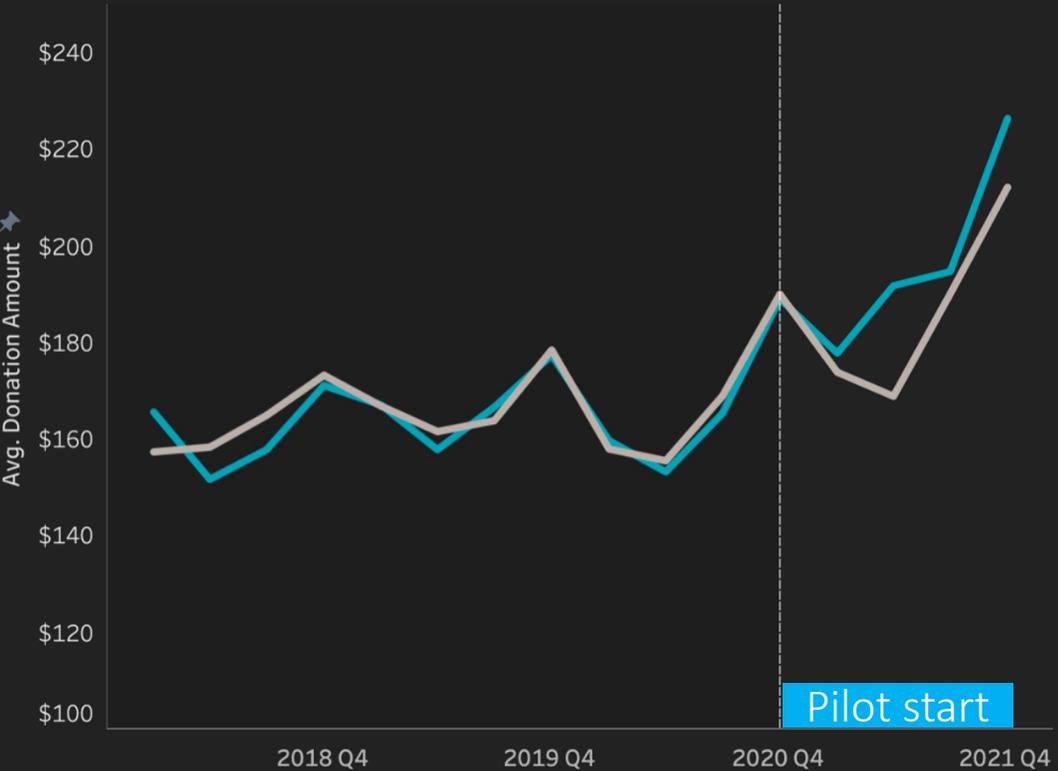


Control Group		Treatment Group	
Avg single gift	Stdev	Avg single gift	Stdev
\$53.21	\$81.53	\$56.75	\$112.33

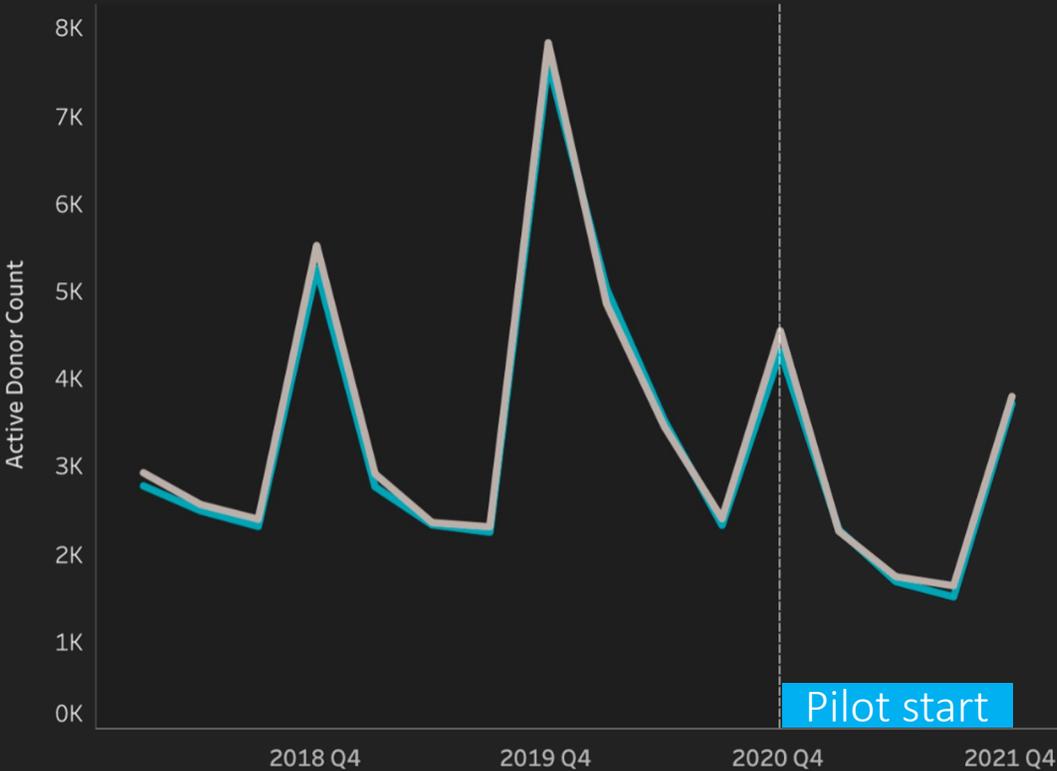
Source: Anonymous Arjuna Customers

Optimize Donor Value While Maintaining Retention

Average Donation Amount



Active Donor Count



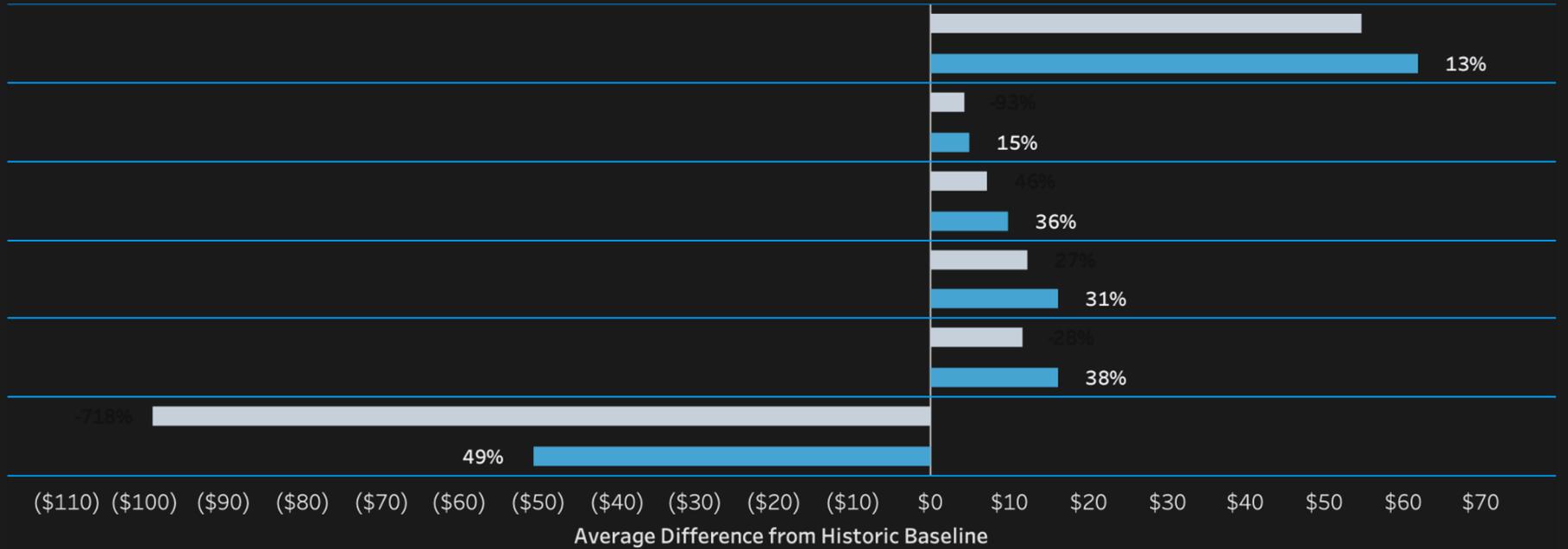
Source: Anonymous Arjuna Customer



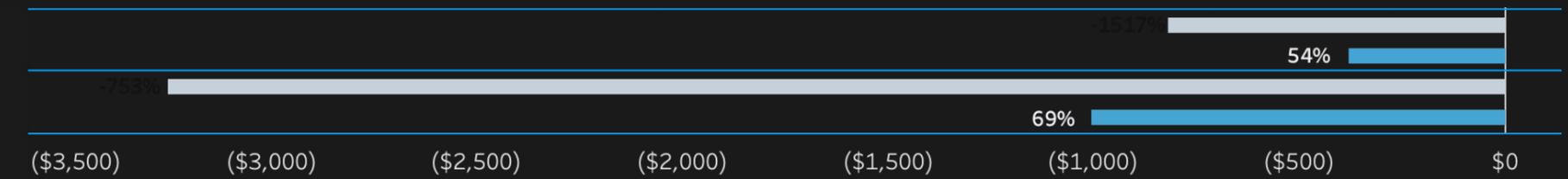
Donor Advancement Across Giving Segments

	% Dollars	% Donors
0. No Historic Avg	0%	0%
1. Less than \$25	9%	26%
2. \$25 - \$49	24%	38%
3. \$50 - \$99	24%	20%
4. \$100 - \$499	38%	15%
5. \$500 - \$999	3%	0%

Donor Advancement

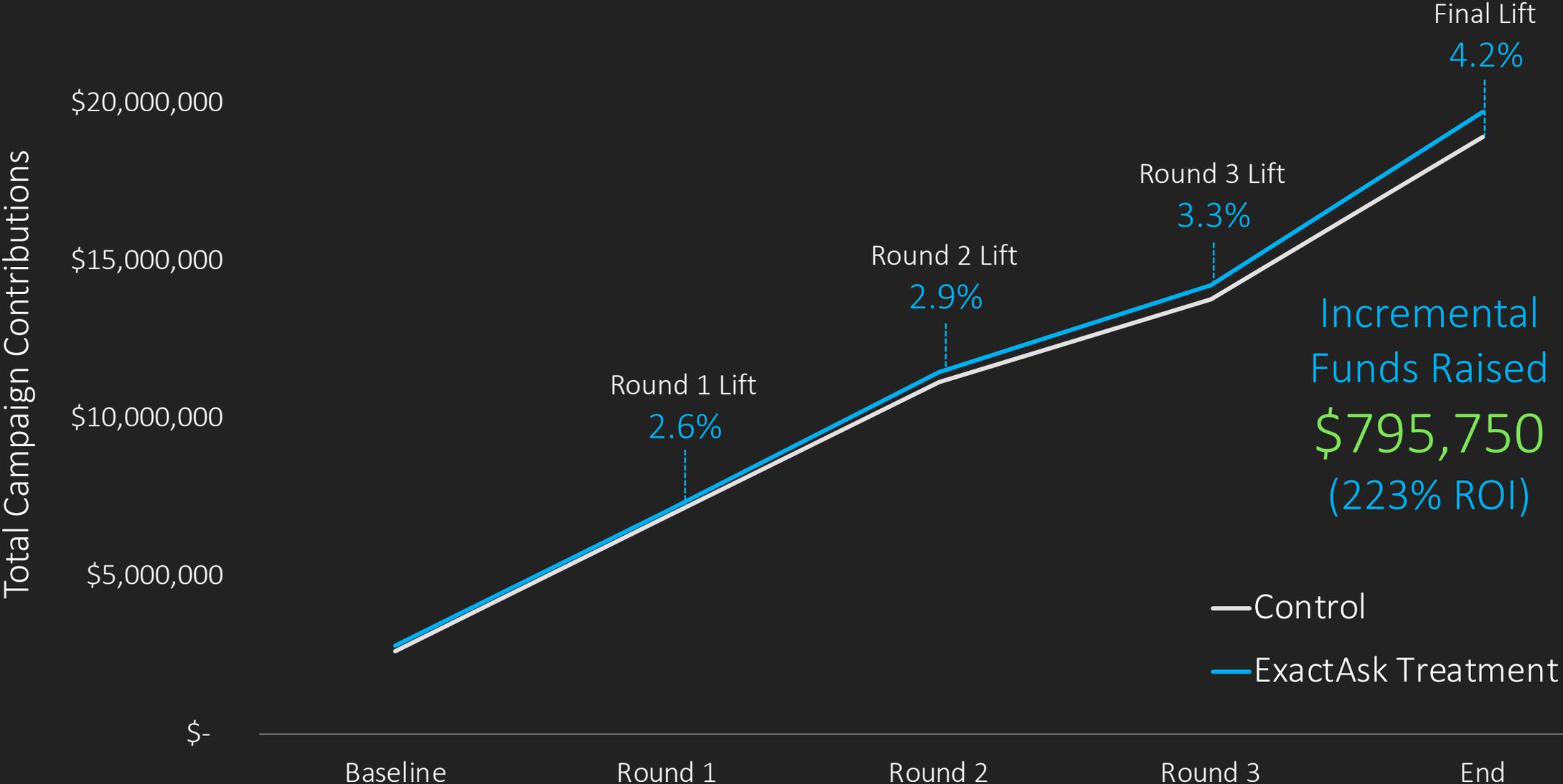


6. \$1,000 - \$2,499	1%	0%
7. Over \$2,500	1%	0%



Source: Anonymous Arjuna Customers

Arjuna BEM-AI Learning Cycles



Source: Anonymous Arjuna Customer in Emergency Response sector



3

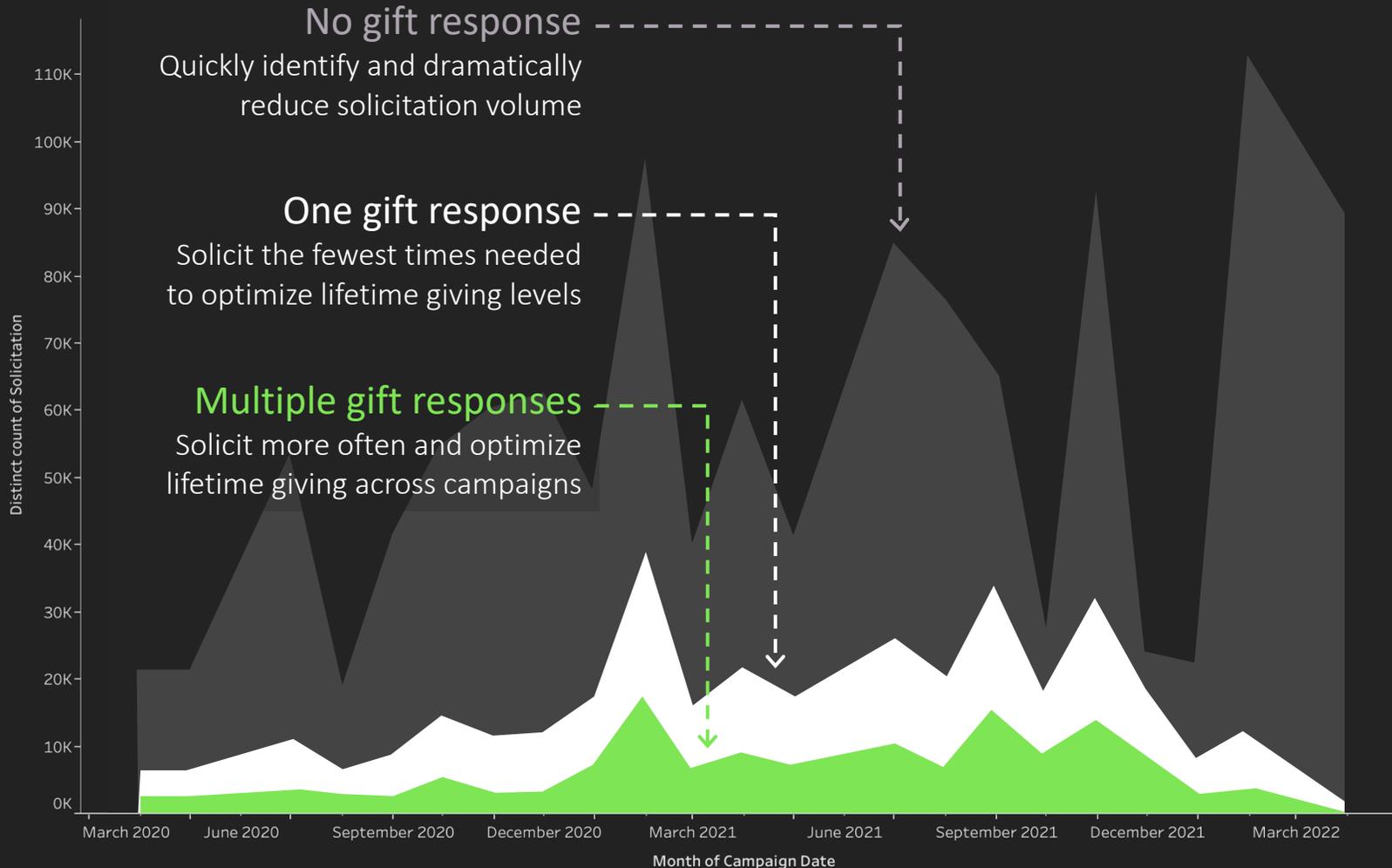
Personalize Relationship Investment Decisions at Scale

- › Optimize solicitation cadence model monthly
- › Reduce the cost-per-dollar raised
- › Sustain brand equity



Personalize, Optimize Individual Solicitation Investment Decisions

Improve net proceeds available to invest in mission



Source: Anonymous Arjuna customers

Response statistics

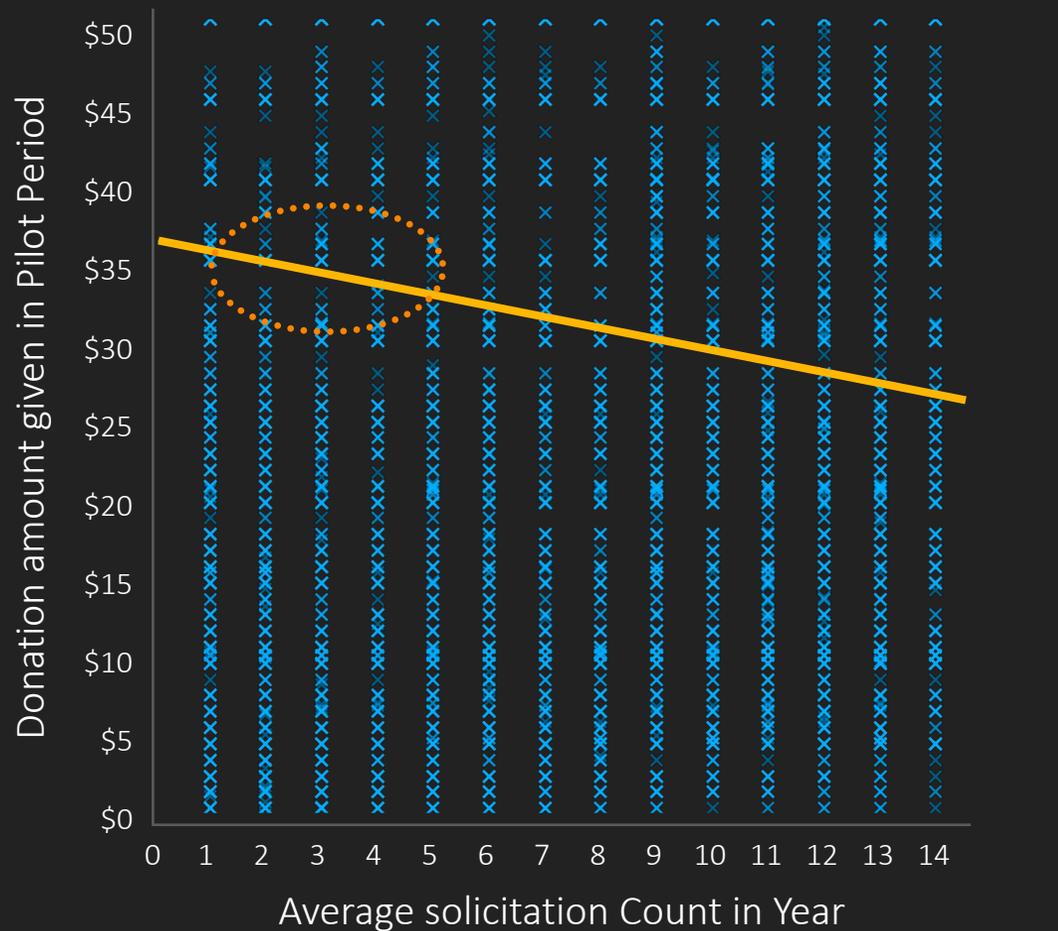
- › 93.9% of solicitations produce \$0
- › 69.8% of solicitations sent to individuals who did not provide donation

Reduce solicitations by 10 - 30%

- › Keep donors engaged
- › Sustain brand equity
- › Reduce cost per dollar raised
- › Minimize carbon footprint

Dynamically Personalize Solicitation Cadence at Scale

\$ giving relative to number of times donors are solicited



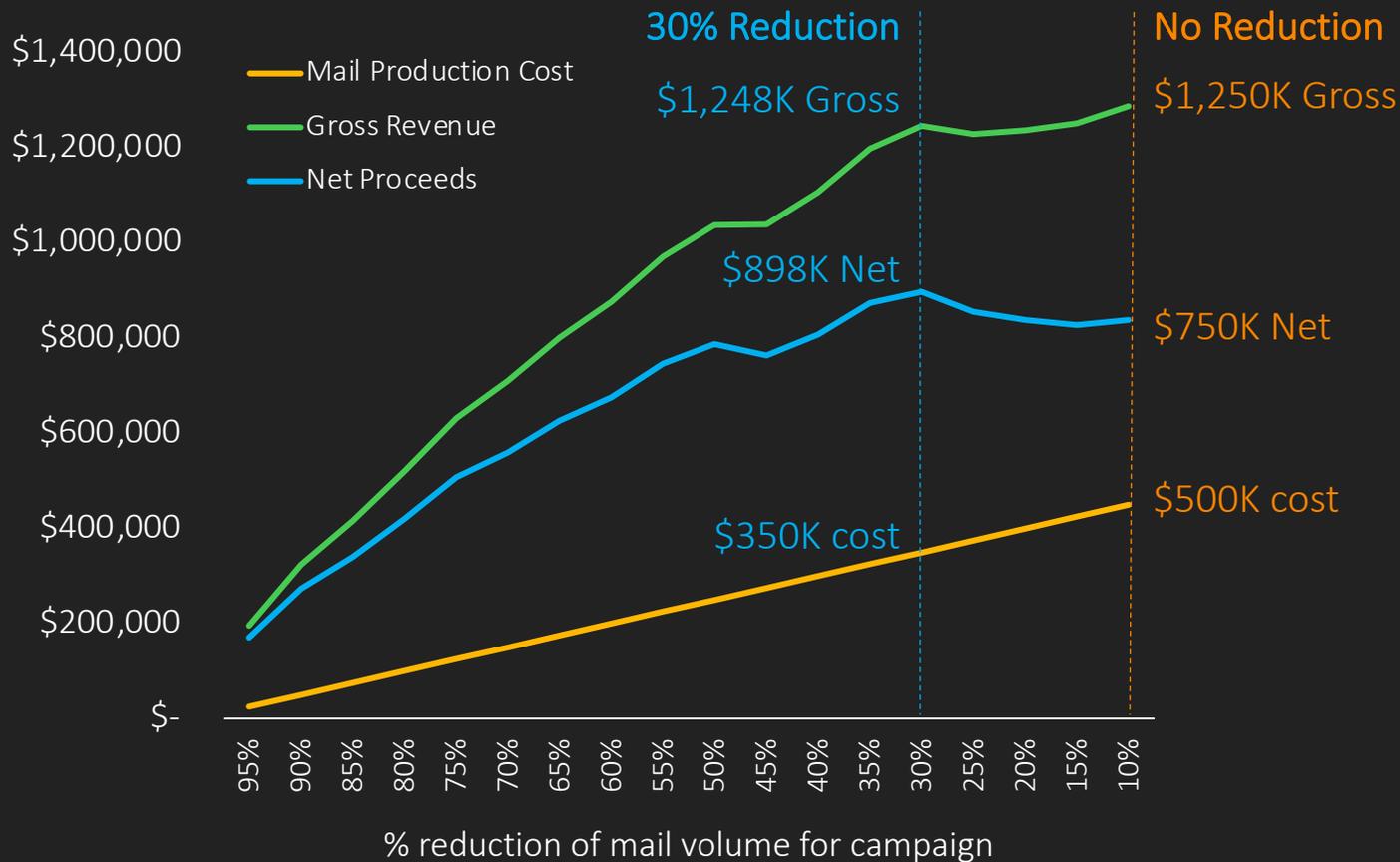
More Solicitations Produce Less Money

Personalize solicitation decisions to improve fundraising performance and preserve brand equity

Source: Anonymous Arjuna customers

Implementing Solicitation Volume Optimization

BEM-AI Model Ranks the Value of Solicitations
Keeps Gross Revenues Flat while Reducing Costs



Optimize Net Proceeds

Mail volume reduction	Gross revenue	Mail production cost	Net proceeds
10%	\$1,288,571	(\$450,000)	\$838,571
15%	\$1,251,954	(\$425,000)	\$826,954
20%	\$1,238,447	(\$400,000)	\$838,447
25%	\$1,230,477	(\$375,000)	\$855,477
30%	\$1,247,532	(\$350,000)	\$897,532
35%	\$1,199,557	(\$325,000)	\$874,557
40%	\$1,107,416	(\$300,000)	\$807,416
45%	\$1,039,156	(\$275,000)	\$764,156
50%	\$1,038,134	(\$250,000)	\$788,134
55%	\$971,694	(\$225,000)	\$746,694
60%	\$876,344	(\$200,000)	\$676,344
65%	\$801,485	(\$175,000)	\$626,485
70%	\$710,075	(\$150,000)	\$560,075
75%	\$632,397	(\$125,000)	\$507,397
80%	\$519,949	(\$100,000)	\$419,949
85%	\$415,434	(\$75,000)	\$340,434
90%	\$323,429	(\$50,000)	\$273,429
95%	\$195,451	(\$25,000)	\$170,451

Gain
\$147,532

Monthly Consultation

Ideal monthly solicitation volume

1. Inputs and Assumptions

Response Rate	5.00%
Solicitations	500,000
Average Gift	\$50
Mail Production Cost	\$1.00
% Proposed	30%

2. Status Quo

Revenue	\$1,250,000
Cost	(\$500,000)
Net	<u>\$750,000</u>

Responses	25,000
Avg Gift	\$50

Cost / \$1 Raised \$0.40

3. Using ExactDonor

Revenue	\$1,247,532
Cost	(\$350,000)
Net	<u>\$897,532</u>

Responses	19,069
Avg Gift	\$65

Cost / \$1 Raised \$0.28

4. ExactDonor ROI

ED Revenue	\$147,532
ED Cost	\$52,500
ED ROI	<u>181%</u>

30% Reduction in Cost per \$ Raised

4

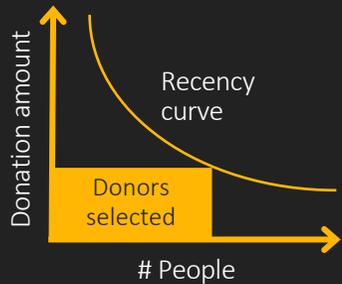
Find New Value In Lapsed Donor Campaigns



Lapsed Reactivation Optimization

The selection game: identifying today's optimal donor...

Recency Latest gift



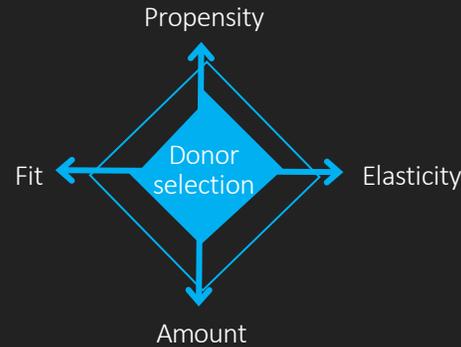
Strong participation, but lower gift levels

Propensity Likelihood to Donate



Strong donation level, but fewer donors

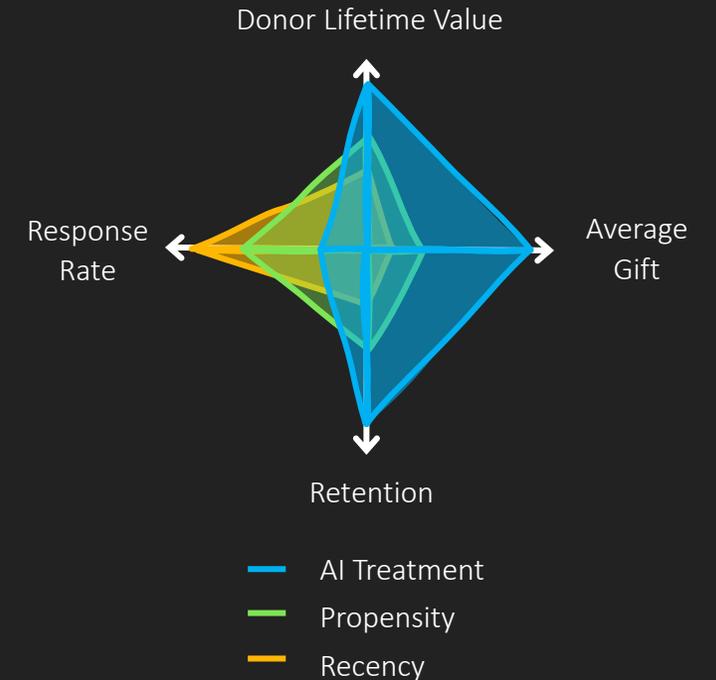
ExactDonor Likelihood to increase DLV



Multi-dimensional behavioral modeling

Calibrated through experience curve at enterprise scale volume

Produces +35% Gift Value \$ than competing models



Lapsed Campaign: Donor inactive for 25 - 59 months

Lapsed Donor Selection Model Options

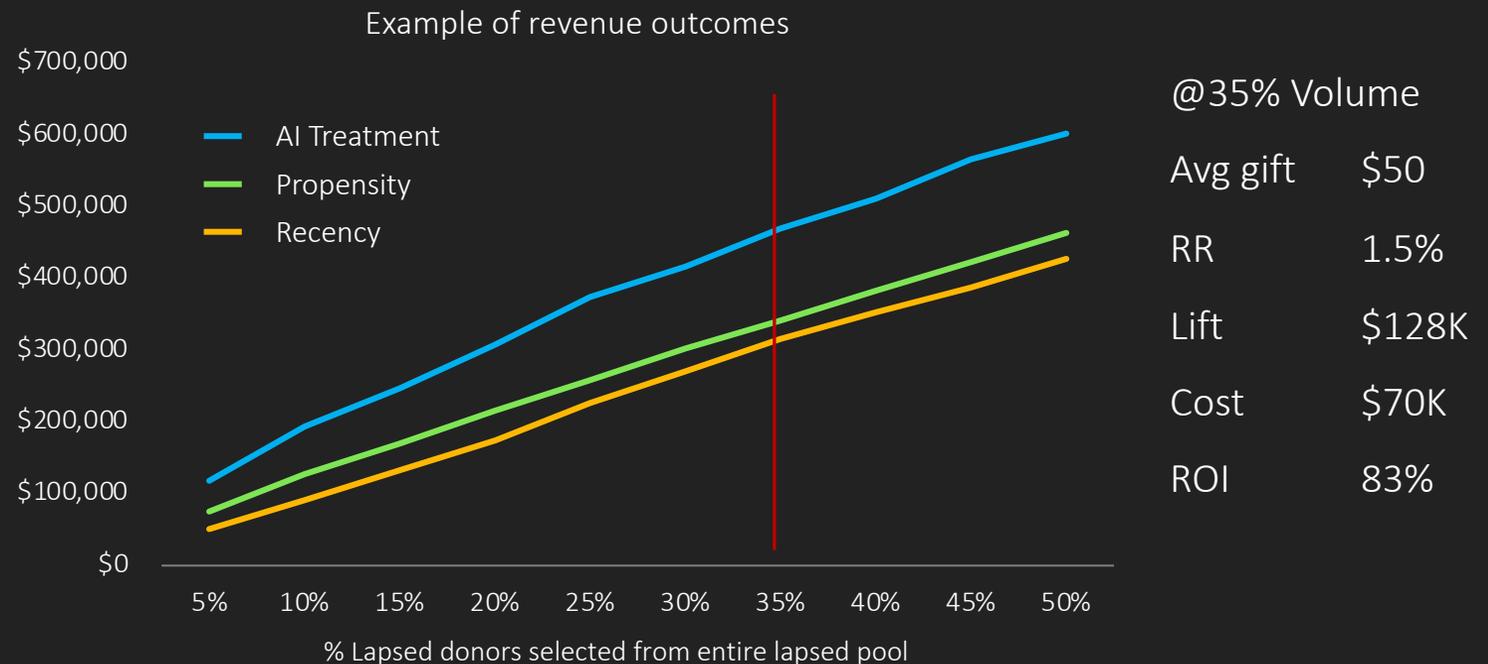
BEM-AI selection compared to recency and propensity models

BEM-AI Selection Performance

% of solicitations from selection pool	BEM-AI selection vs. recency	BEM-AI selection vs. propensity
5%	2.44	1.65
10%	2.23	1.59
15%	1.94	1.52
20%	1.85	1.50
25%	1.74	1.52
30%	1.62	1.45
35%	1.56	1.44
40%	1.52	1.40
45%	1.54	1.41
50%	1.48	1.36

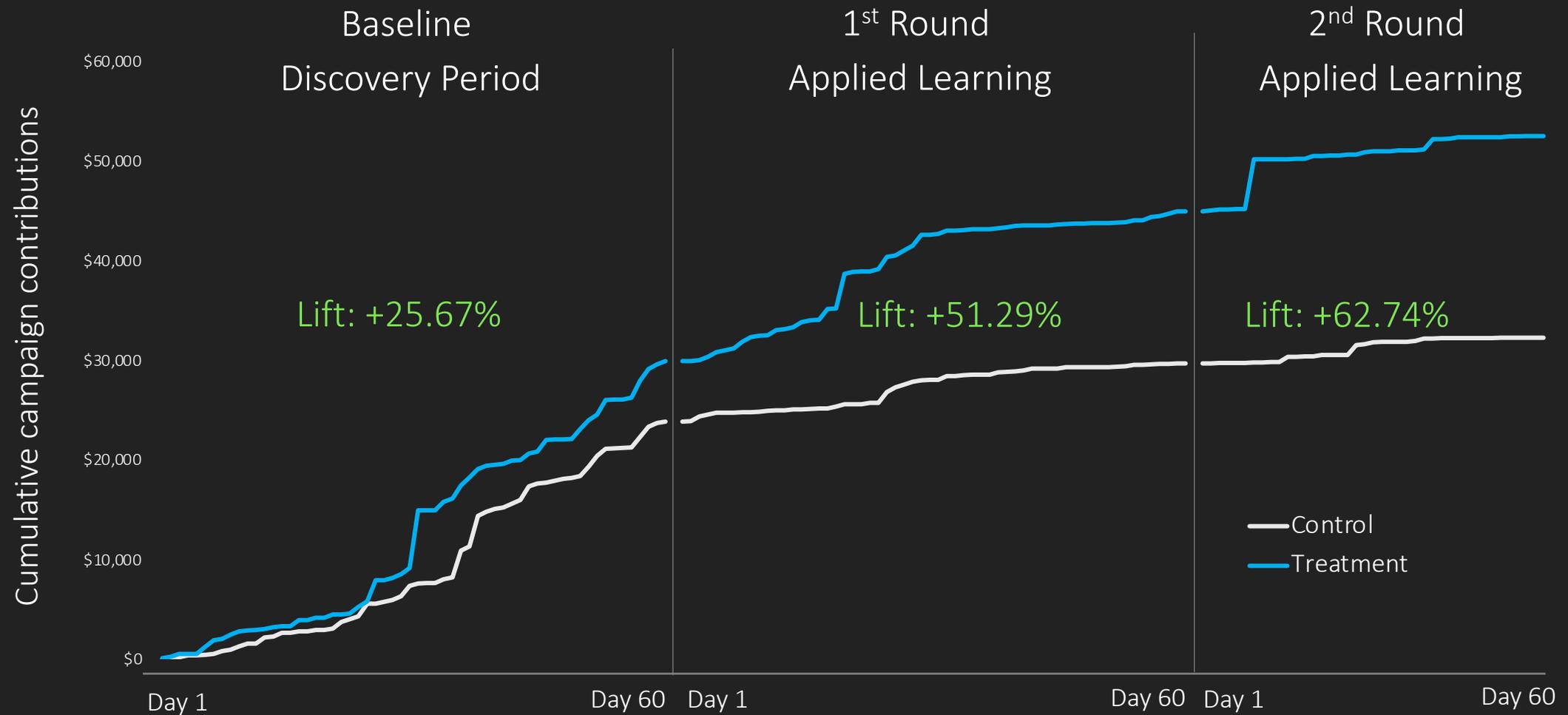
Varies. Above assumes 5% response rate and \$50 avg gift

Results From Three Ranking Methodologies



Acquiring a new donor can cost 5x more than retaining an existing donor
 Increasing donor retention by 5% can increase giving from 25 - 65%

BEM-AI Learning Curve



Total investment of (\$5,936) raised an incremental \$22,919

Why Deploy BEM-AI for Fundraising Optimization?

- › Measure specific donor sentiment rather than capacity for giving
- › Develop a nonprofit and donor-specific, continuously learning model
- › Adapt proactively to changing environment in real time
- › Scale personalization: dynamic lifetime giving and cadence optimization
- › Avoid confirmation & selection bias of PII, recency, propensity models



5

Measure Performance

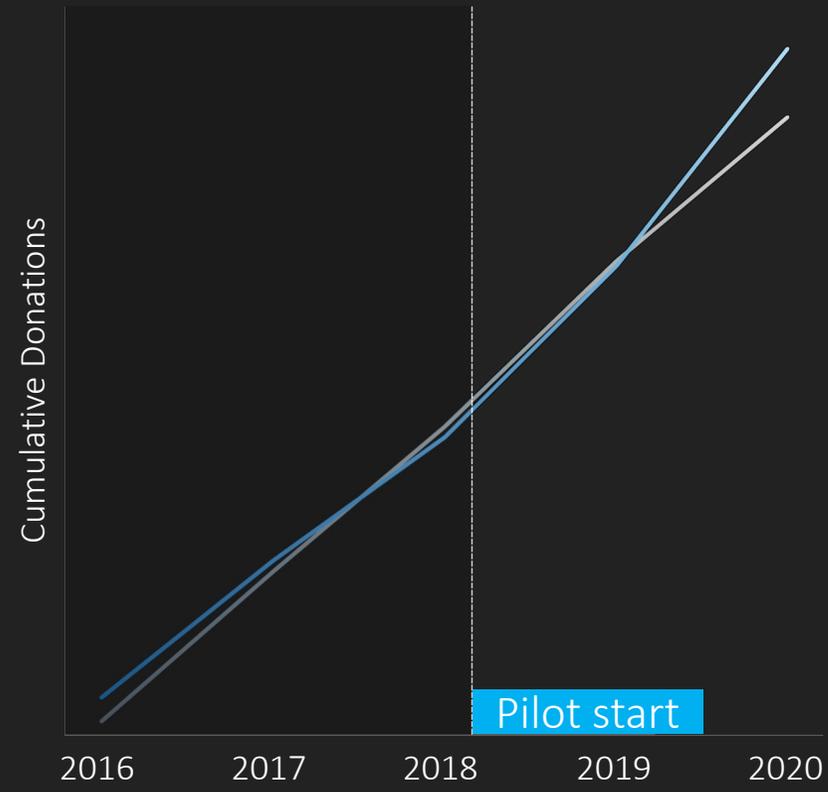
- › Holistically
- › Objectively
- › Transparently



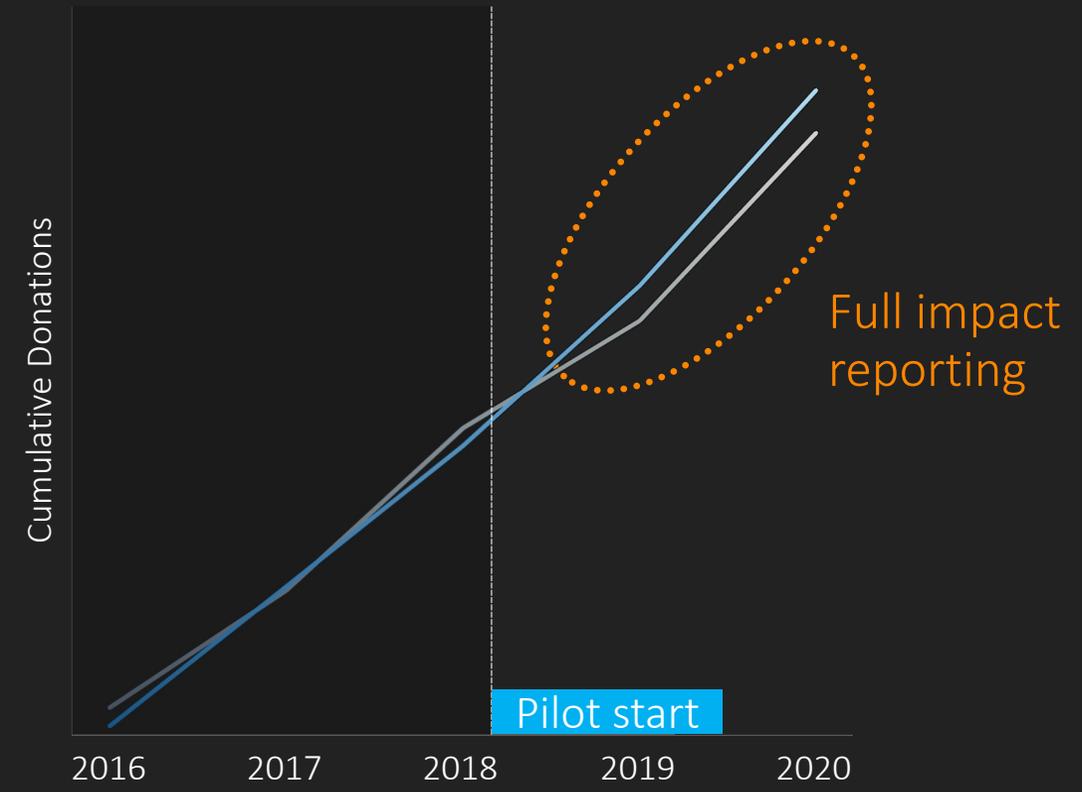
Measure and Win as an Enterprise

Direct and indirect influence of touchpoints on donor behavior

Direct Attribution



Indirect Attribution



Source: Anonymous Arjuna customer in Multipurpose Human Services sector



Re-evaluate Budget Setting

Zero-based budgeting

- › Brought by today's environment

Apply zero-based budgeting methods/philosophy

- › Start with zero every year, and justify every dollar:
 - Strategic value scoring, project risk/viability, and ROI%, IRR% or NPV
 - Build project business cases: reviewed approved, in performance review
 - Environment requires quarterly evaluation & reallocation of \$\$\$

Be uniform, transparent with budget criteria and hurdle-rate targets

- › Measure upside in revenue and cost elimination uniformly
- › Apply consistent up/downside risk rates factors
- › Define mandatory compliance and discretionary spending



Summary

- › Today's giving environment
- › Responding to inflation
 1. Focus on improving net proceeds
 2. Optimize donor lifetime value
 3. Personalize relationship investment decisions at scale
 4. Find new value in lapsed donor campaigns
 5. Measuring fundraising performance



Teşekkürler Tack Hvala
Cám ơn Đakujem благодаря متشكراً Obrigado
Salamat Po நன்றி ευχαριστώ धन्यवाद Grazie
дякую 謝謝
감사합니다 شكراً
Thank You!
شكراً
Gracias Dziękuję
תודה Danke
Dank u Wel ၁၅၁၉၀၉၀၉၀၉၀၉
Terima Kasih Mulțumesc Köszönöm
Kiitos спасибо 多謝晒 Tak
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Arjuna's BEM-AI Pilot Results Summary

Campaign Type	Solicitations	Investment	Donation amount (excluding outliers)		KPIs		
			Control Group	ExactAsk Treatment Group	Lift \$	Lift %	ROI
ExactAsk HDC	82,000 (35%)	(\$246,000)	\$22,774,340	\$23,656,253	\$795,750	4.2%	223%

Customer invested **(\$246,000)** in ExactAsk and raised an incremental **\$795,750**

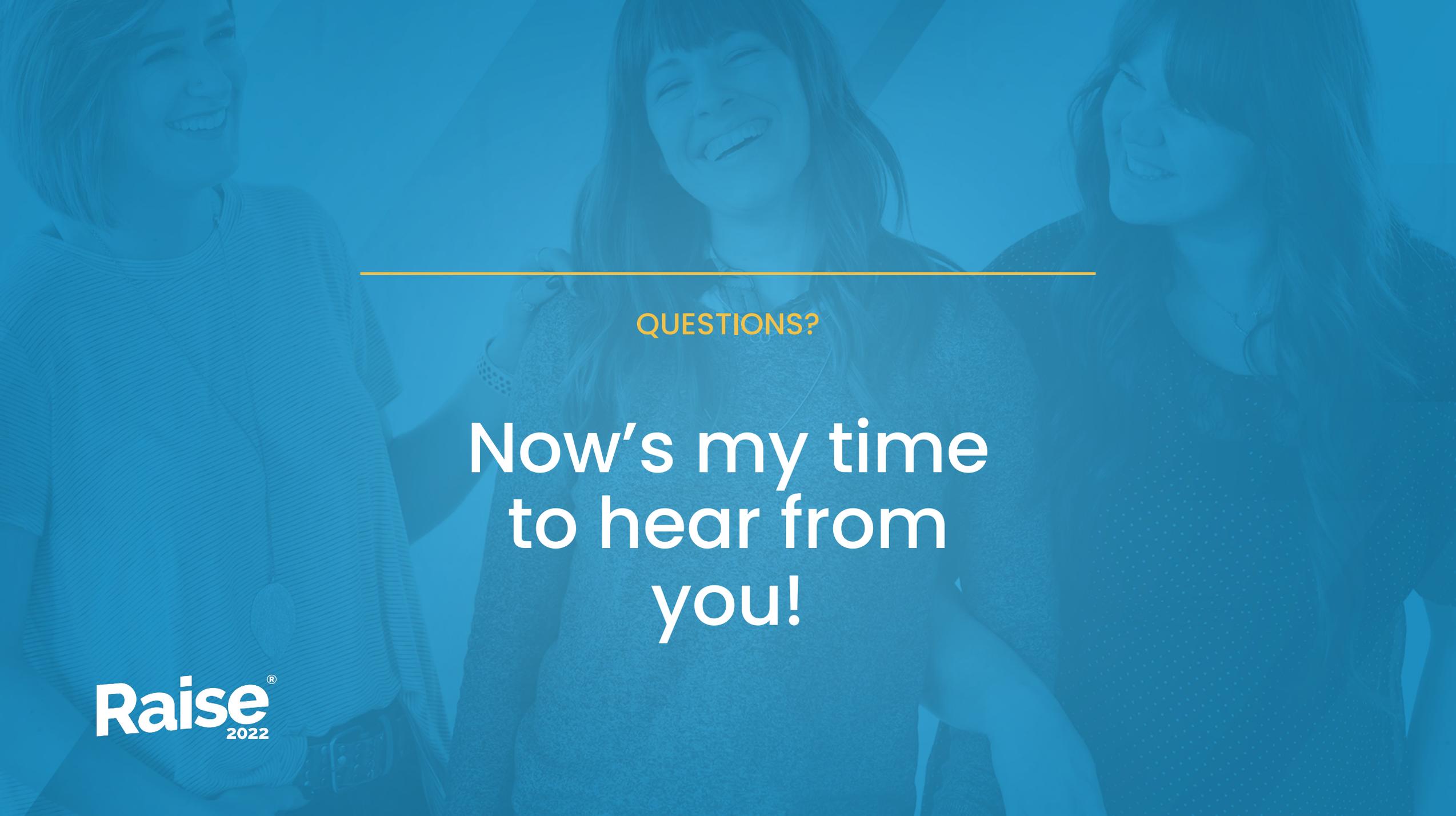
Performance With Lapsed Donors (\$129M)

Campaign date	Campaign type & # of C/T	Control	Treatment	Delta	Lift	Investment	ROI
September 11, 2017	Lapsed: N=37,500 each	\$11,473	\$17,192	\$5,719	50%	(\$3,713)	154%
April 3, 2018	Lapsed: N=11,448 each	\$5,393	\$9,861	\$4,468	83%	(\$1,133)	394%
June 1, 2018	Lapsed: N=11,516 each	\$8,472	\$21,204	\$12,732	151%	(\$1,140)	1,117%
	Total Lapsed	\$25,338	\$48,257	\$22,919	90%	(\$5,986)	383%

Total investment **(\$5,936)** in BEM-AI services and raised an incremental **\$22,919**

*Reported numbers are donations within 60 Days of the campaign

Source: Anonymous Arjuna customer in Health and Human Services

A blue-tinted photograph of three women smiling and laughing together. The woman on the left is wearing a light-colored, textured sweater. The woman in the center is wearing a dark, patterned sweater and has her hand on the shoulder of the woman on the right. The woman on the right is wearing a dark, patterned top. A thin yellow horizontal line is positioned above the text.

QUESTIONS?

Now's my time
to hear from
you!

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2022



Raise[®] 2022

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