Perfectionism vs. Practicality: Can Imperfect Data Still Point Us in the Right Direction?



Andrew Means

Conference Co-Host; Head, beyond.uptake



@meansandrew



Steve MacLaughlin

Vice President of Data & Analytics, Blackbaud; Author



@SMacLaughlin

#DoGoodData



Shane Ward

Senior Director of Technology, GuideStar



@GuideStarUSA

Downstream Design

What's in a Design?

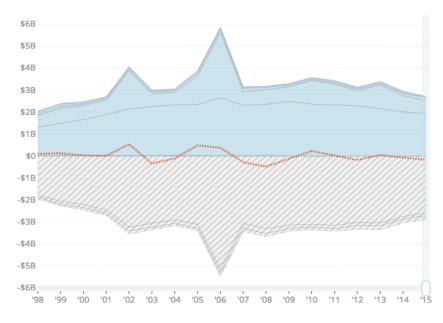
- Understand the data
- Data quality and enhancement
- Design for downstream
- Lack of data

Reimagining GuideStar.org

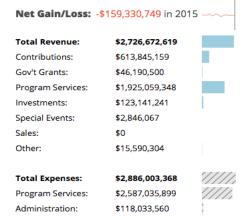
Revenue vs. Expenses

Comparing revenue to expenses shows how the organizations finances fluctuate over time.





2015 Breakdown



Note: When component data are not available, the graph displays the and/or Expense values.

\$180,933,909

LIQUIDITY IN 2015 ⁽¹⁾

0.72

Average of 0.95 over 18 years

MONTHS OF CASH IN 2015

2.2

Average of 3.1 over 18 years

FRINGE RATE IN 2015 ⁽¹⁾

29%

Fundraising:

Average of 26% over 18 years

Challenge = NULL

Revenue and Expenses

Fiscal Year 2015

Revenue

Contributions	\$613,845,159	
Government Grants	\$46,190,500	Autolootoo
Program Services	\$1,925,059,348	
Investments	\$123,141,241	Intel Intel
Special Events	\$2,846,067	
Sales	\$0	
Other	\$15,590,304	بالتصناف
Total Revenue	\$2,726,672,619	_add fillin

Expenses

Net Gain/Loss	(\$159,330,749)	
Total Expenses	\$2,886,003,368	
Fundraising	\$180,933,909	
Administration	\$118,033,560	
Program Services	\$2,587,035,899	- adard from

Functional Expenses

\$1,998,519	rata Dille
\$22,457,108	
\$30,907,097	
\$27,643,941	
\$41,909,014	
\$0	
\$3,166,538	ditain
\$58,883,696	
\$0	-1111
	\$22,457,108 \$30,907,097 \$27,643,941 \$41,909,014 \$0 \$3,166,538 \$58,883,696

Balance Sheet

Fiscal Year 2015

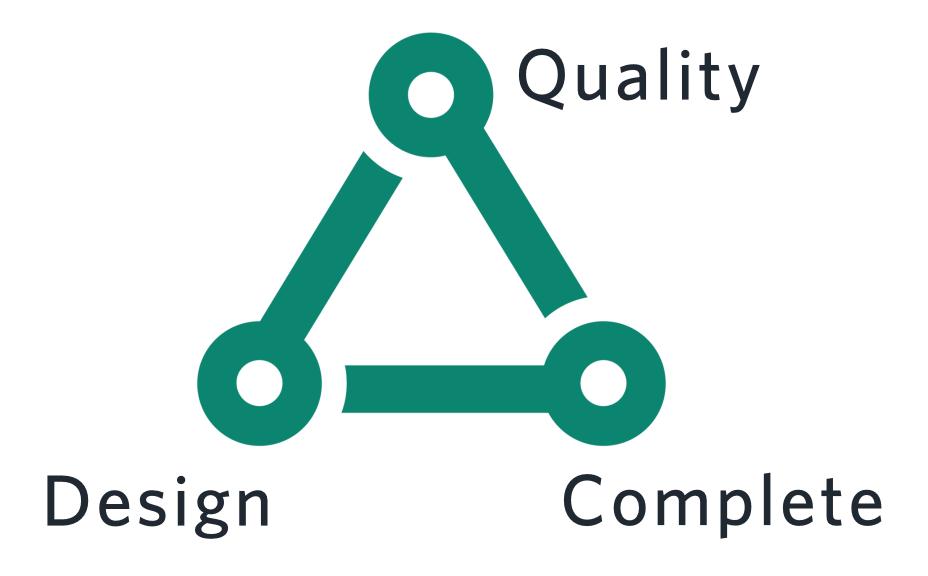
Assets	JUL 01, 2014	JUN 30, 2015	CHANGE	
Cash & Equivalents	\$568,461,679	\$517,167,006	(\$51,294,673)	
Accounts Receivable	\$190,528,212	\$191,582,186	\$1,053,974	
Pledges & Grants Receivable	\$95,811,091	\$84,761,996	(\$11,049,095)	_
Receivable, Other	\$0	\$0	\$0	\neg
Inventories for Sale or Use	\$108,978,514	\$71,554,590	(\$37,423,924)	-
Investment, Securities	\$1,553,755,940	\$1,385,926,697	(\$167,829,243)	100
Investment, Other	\$0	\$0	\$0	-11-11-
Fixed Assets (LBE - Depreciation)	\$995,695,128	\$962,131,010	(\$33,564,118)	-0.101
Other	\$278,412,667	\$273,019,086	(\$5,393,581)	
Total Assets	\$3,791,643,231	\$3,486,142,571	(\$305,500,660)	
Liabilities	JUL 01, 2014	JUN 30, 2015	CHANGE	
Accounts Payable	\$280,868,579	\$260,977,043	(\$19,891,536)	101111111
Grants Payable	\$0	\$0	\$0	
Deferred Revenue	\$0	\$0	\$0	
Loans and Notes	\$532,862,592	\$524,409,939	(\$8,452,653)	
Tax-Exempt Bond Liabilities	\$212,890,782	\$120,571,350	(\$92,319,432)	$-\!\!\!\!-\!\!\!\!-\!\!\!\!-$
Other	\$804,262,800	\$986,373,910	\$182,111,110	
Total Liabilities	\$1,830,884,753	\$1,892,332,242	\$61,447,489	
Fund Balance	JUL 01, 2014	JUN 30, 2015	CHANGE	
Temporarily Restricted Net Assets	\$857,420,050	\$751,529,004	(\$105,891,046)	
Permanently Restricted Net Assets	\$763,761,228	\$792,605,111	\$28,843,883	
Unrestricted Net Assets	\$339,577,200	\$49,676,214	(\$289,900,986)	
Net Assets	\$1,960,758,478	\$1,593,810,329	(\$366,948,149)	

"The purpose of models is not to fit the data but to sharpen the question."

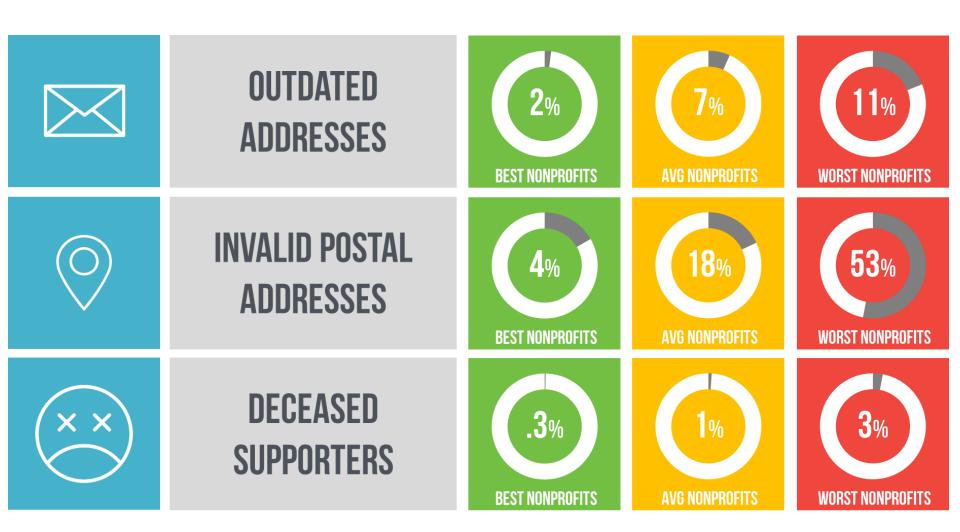
- Samuel Karlin



DATA HEALTH IS THE BEGINNING OF WISDOM



DATA QUALITY



Source Target Analytics, a division of Blackbaud

DATA COMPLETENESS



Source Target Analytics, a division of Blackbaud

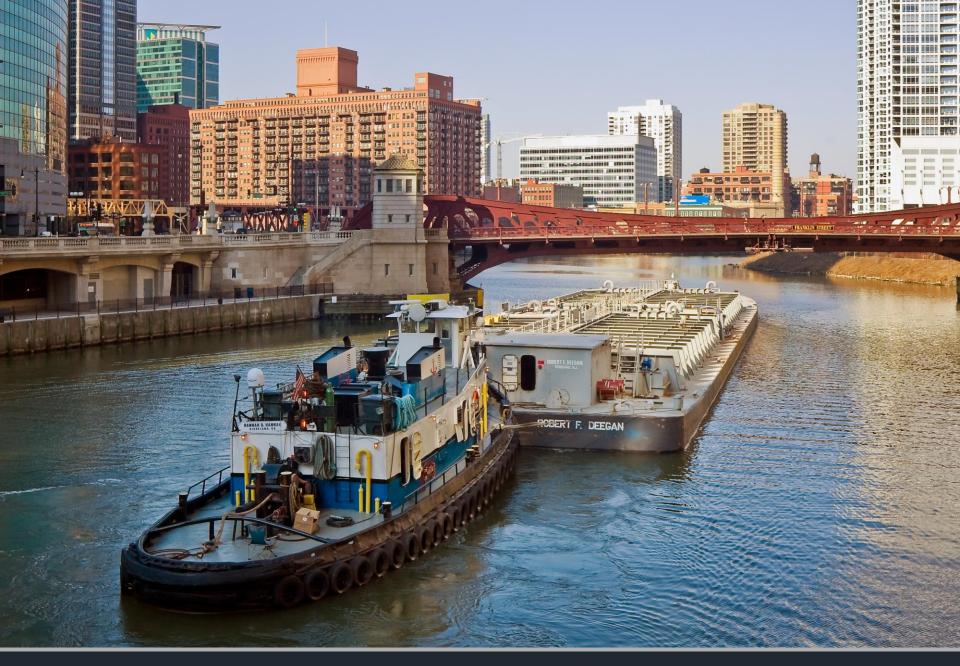
DATA DESIGN





The Problem – Data Relationship









NO SWIMMING

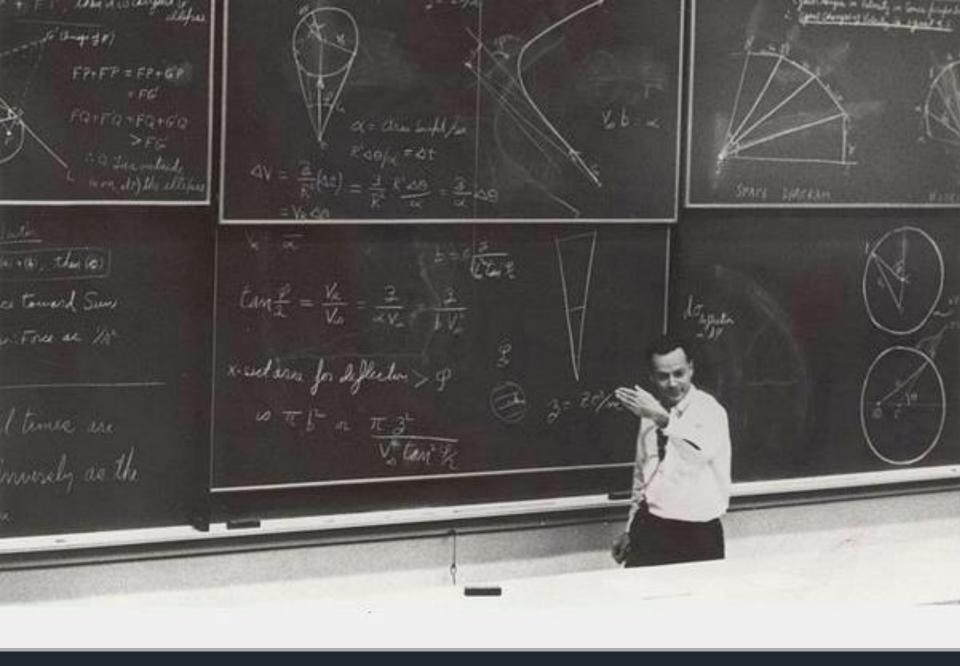


The use determines the quantity, quality, and typology required.

Directional Accuracy vs Complete Accuracy



Proof vs. Evidence



Data Quality is not Binary

Data quality and completeness constrain use but don't negate use.

Audience Q&A



Andrew Means

Conference Co-Host; Head, beyond.uptake



@meansandrew



Steve MacLaughlin

Vice President of Data & Analytics, Blackbaud; Author



@SMacLaughlin



Shane Ward

Senior Director of Technology, GuideStar



@GuideStarUSA