Presentation 1

Using tablet computers for data collection

Angie Ficek, MPH Professional Data Analysts, Inc. MNEA | January 2016 Fewer headaches

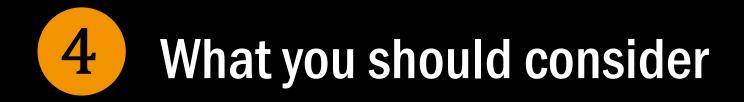
Fewer errors

Many trees
 saved

1 Why we used tablet computers

2 How we used tablet computers

3 What we learned



Different programs in different settings with differing levels of access to technology



We used paper forms in past evaluations.



We first created our own secure website for data entry.



We chose a secure website over an app.







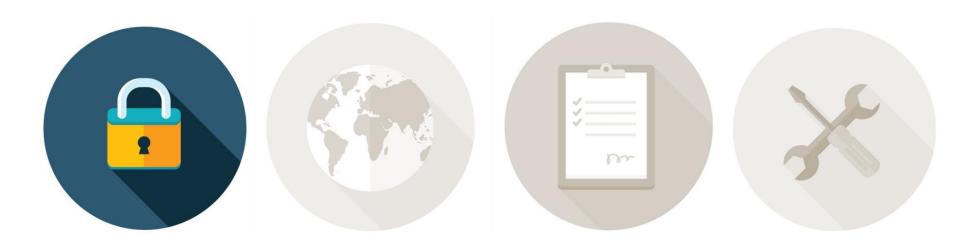
We determined a tablet was the best fit for our project.



We used the refurbished iPad 2.



iPad Setup: Restrictions



iPad Setup: Data plan



iPad Setup: Contract



iPad Setup: Training & technical assistance



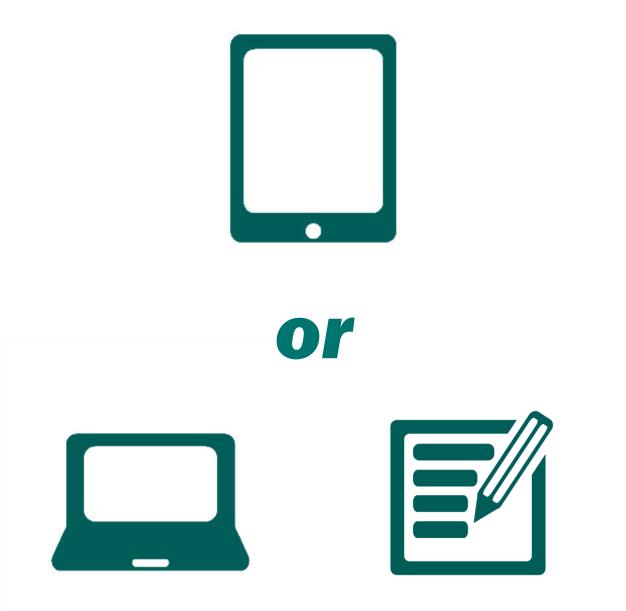
Much quicker process, for us and for grantees.



The data is cleaner and more secure.



One size does not fit all.



Next time, we would better determine who would actually use the tablet.

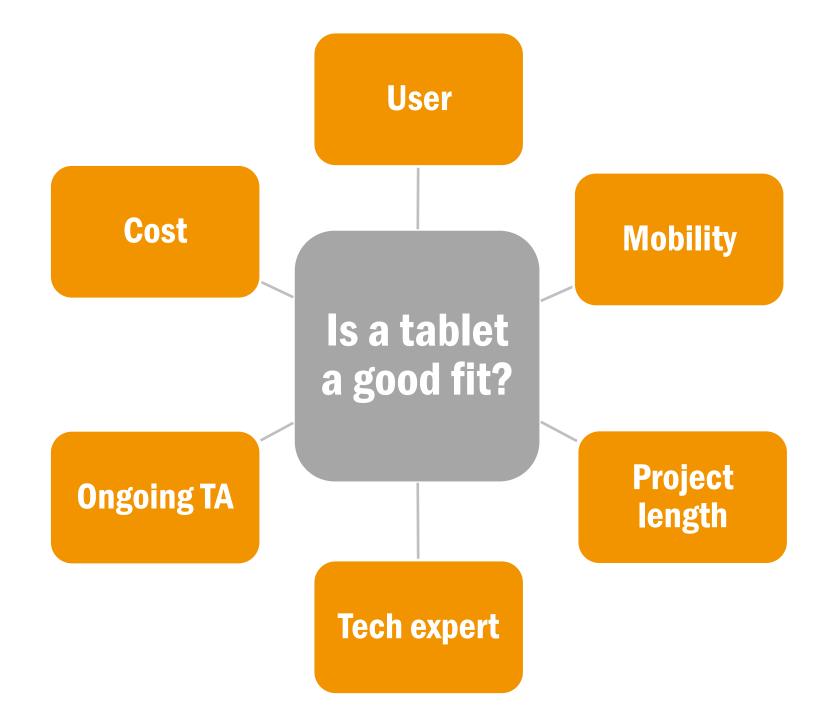


There are very few ongoing costs.



Most costs are one-time costs.





ls a tablet right for your project?



aficek@pdastats.com

Presentation 2



Do I count this?

- Theme (40)
 - Subtheme (15)
 - Subtheme of the subtheme (5)
 - Subtheme of the subtheme (10)
 - -Micro subtheme of the subtheme (4)
 - -Micro subtheme of the subtheme (6)
 - Subtheme (5)
 - Subtheme (20)
 - Subtheme of the subtheme (10)
 - Subtheme of the subtheme (10)



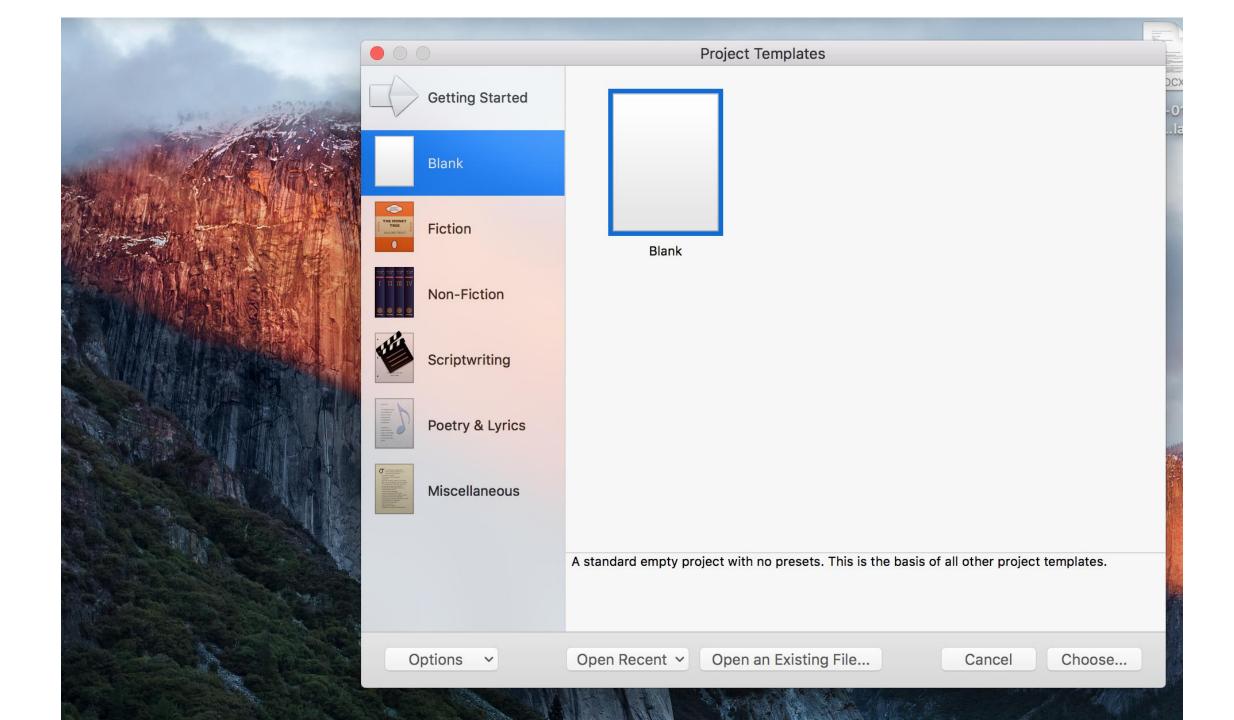
Scrivener 2 for Mac OS X

I've got a question

To what extent can evaluators use humor to break the ice with evaluation participants? Does this lead to better data collection?

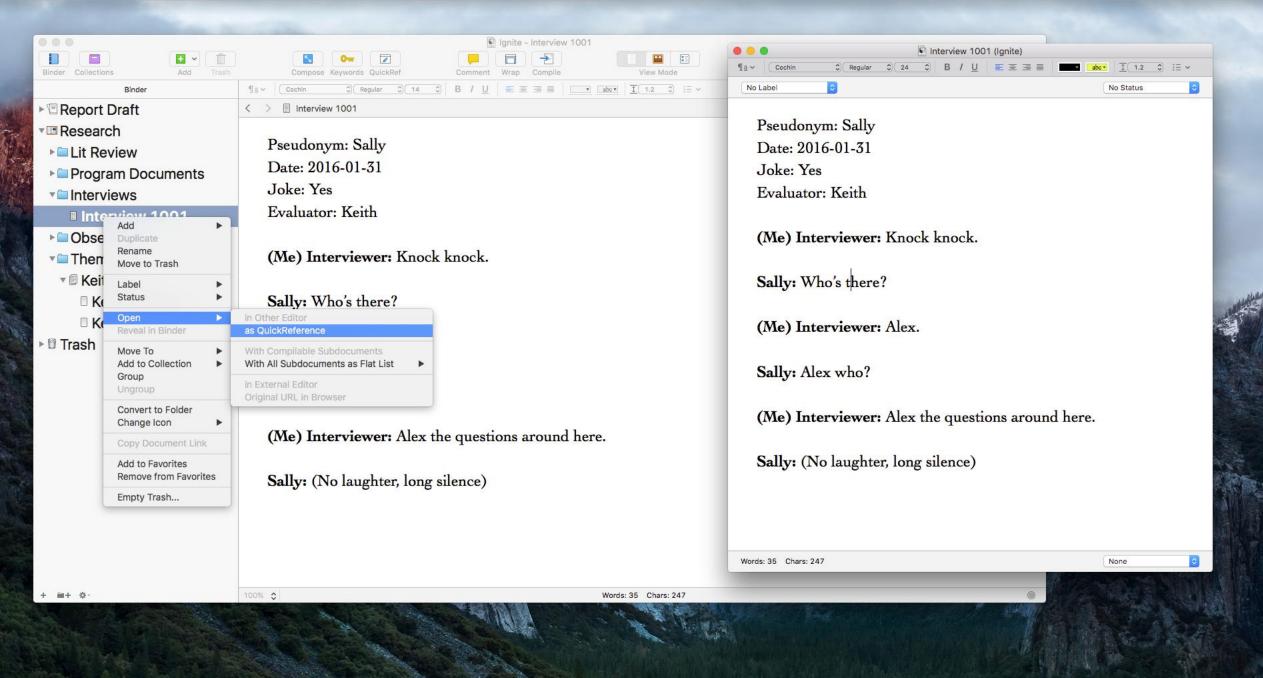
Study Design (5 case studies, cross case analysis)

- Review 12 interview transcripts with joke
- Review 12 interview transcripts without joke
- Observe each evaluator in field visit 3 times



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Site Descriptions					
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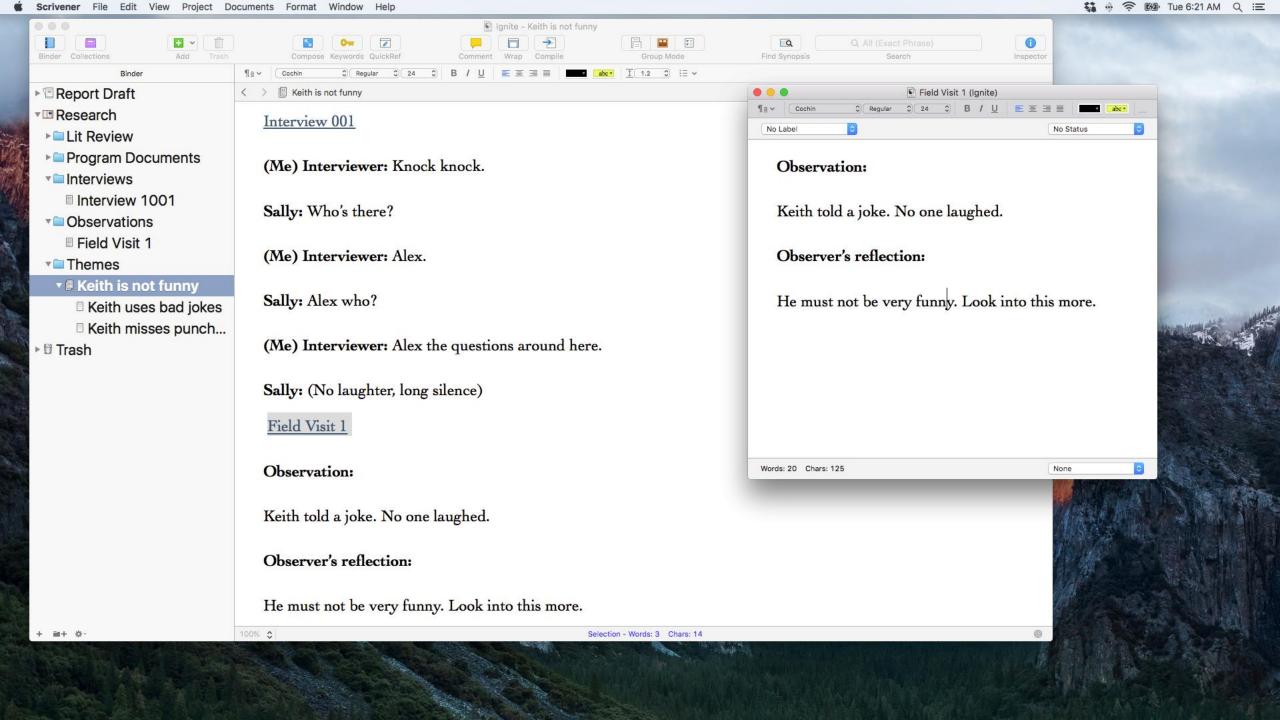


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Observations Field Visit 1	(Me) Interviewer: Alex.	Look Up "Observation: Keith tol" Observer's 1 Cut
Themes	Sally: Alex who?	Copy Paste
🕶 🗏 Keith is not funny	(Me) Interviewer: Alex the questions around here.	He must not Paste and Match Style is more.
 Keith uses bad jokes Keith misses punch 	Sally: (No laughter, long silence)	Append Selection to Document Set Selected Text as Title Add Selection to Auto-Complete List
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Report Draft

Introduction

Lit Review

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Binder Collections

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The program reaches out to adults learning job skills. (Brochures)

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Comment

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Compose Keywords QuickRef

Ignite - Program context

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View Mode

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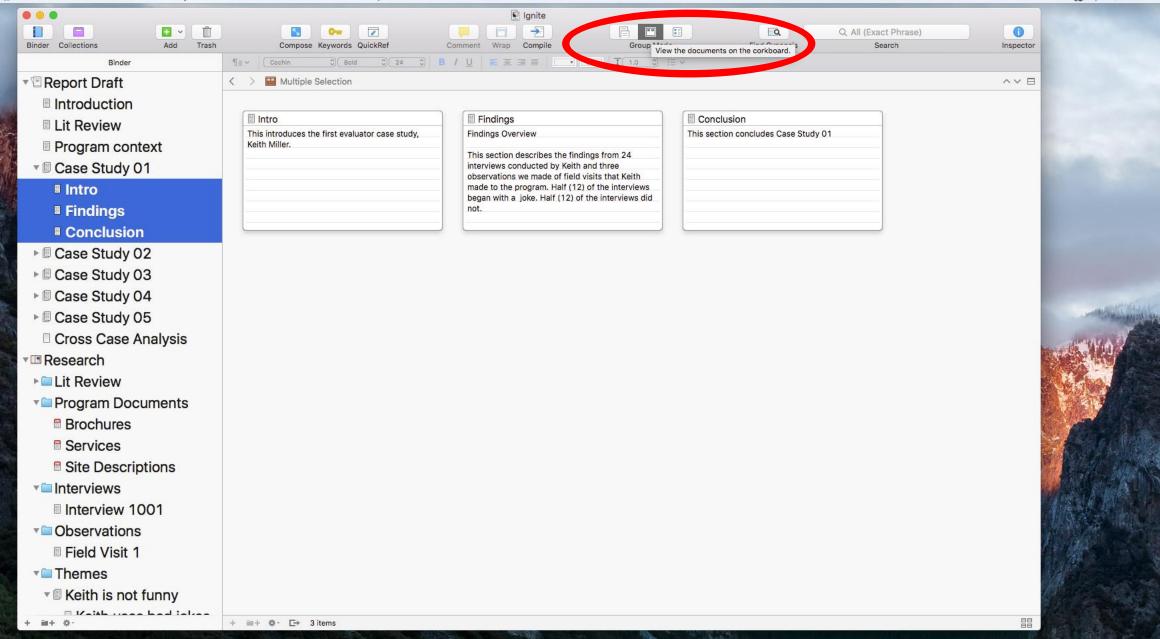
Program context

Binder

- Case Study 01
 - Intro
 - Findings
 - Conclusion
- Case Study 02
- Case Study 03
- Case Study 04
- Case Study 05
- Cross Case Analysis
- Research
- Lit Review
- Program Documents
 - Brochures
 - Services
 - Site Descriptions
- Interviews
 - Interview 1001
- Observations
 - Field Visit 1
- Themes
- Keith is not funny

Selection - Words: 1 Chars: 11

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Lit Review	Findings Overview	
Program context	This section describes the findings from 24 interviews conducted by Keith and three observations we made of field	
🖷 🗉 Case Study 01	visits that Keith made to the program. Half (12) of the interviews began with a joke. Half (12) of the interviews did	
Intro		
Findings	not.	
	Finding #1 Depth from interview despite not succeeding with attempts at humor	
Case Study 02		
Case Study 03	The interview that Keith conducted with Sally started off slowly, the joke he used did not prompt laughter from the	
Case Study 04	respondent. Funny enough, the quality, depth, and richness of the data did not vary whether he tried (unsuccessfully	martine - 13
Case Study 05	to use humor) or not. The variation in quality, depth, and richness appeared to be related to another factor.	and the second se
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Report Draft

Binder Collections

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Lit Review

Program context

Binder

Case Study 01

Intro

Findings

Conclusion

- Case Study 02
- Case Study 03
- Case Study 04
- Case Study 05
- Cross Case Analysis
- Research
- Lit Review
- Program Documents
 - Brochures
 - Services
 - Site Descriptions
- Interviews
 - Interview 1001
- Observations
 Field Visit 1
- Themes

-25

Keith is not funny

I Kaith waaa haal inkaa

< > Multiple Selection - Intro

¶a v Cochin

Introduction

Compose Keywords QuickRef

C Regular

This case study examines the extent to which evaluators can use successfully use humor to break the ice with evaluation participants? Does this lead to better data collection?

Findings Overview

1

This section describes the findings from 24 interviews conducted by Keith and three observations we made of field visits that Keith made to the program. Half (12) of the interviews began with a joke. Half (12) of the interviews did not.

Group Mode

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Q

Find Synopsis

Q All (Exact Phrase)

Search

Finding #1 Depth from interview despite not succeeding with attempts at humor

Ignite - Intro

->

Compile

Wrap

© 24 C) B / U ■ Ξ Ξ Ξ

The interview that Keith conducted with Sally started off slowly, the joke he used did not prompt laughter from the respondent. Funny enough, the quality, depth, and richness of the data did not vary whether he tried (unsuccessfully to use humor) or not. The variation in quality, depth, and richness appeared to be related to another factor.

Conclusion

100% 🗘

This section is entirely made up.

Words: 148 Chars: 921



Scrivener 2 for Mac OS X

Qualitative analysis software doesn't

Buy Nvivo + Scrivener + a cup of coffee & a pastry

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\$1,140 for a 12 month \$45 for a license license

\$10 for a DogwoodCoffee and RusticaBakery ChocolatePistachio Danish

Why not use a writing a platform instead?



Scrivener 2

Presentation 3

How to make maps for free with CartoDB

MNEA Tech Tools Event January 21st, 2016

Kirsten L. Anderson, M.A.

Kirsten L. Anderson, L.L.C.



Community Outreach





Tammy F / Domestic Shorthair Golden Valley



Tucker M / Retriever, Labrador Woodbury









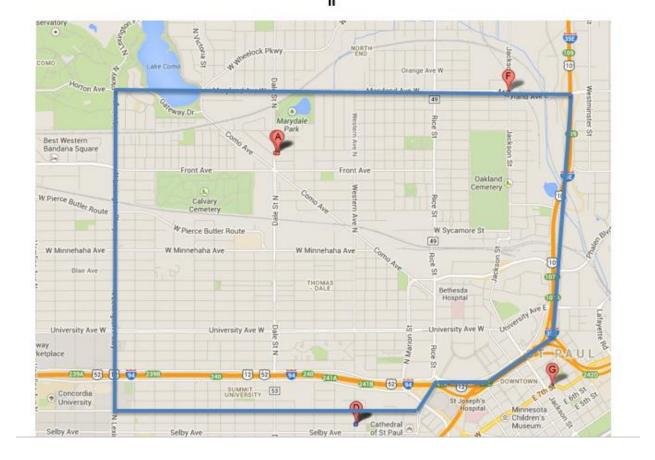
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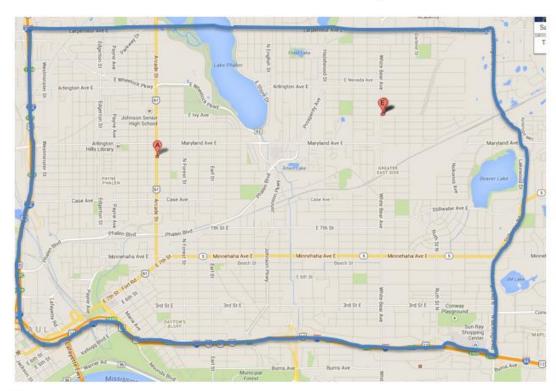
Drone

Defined geographical ity¶ **borders**

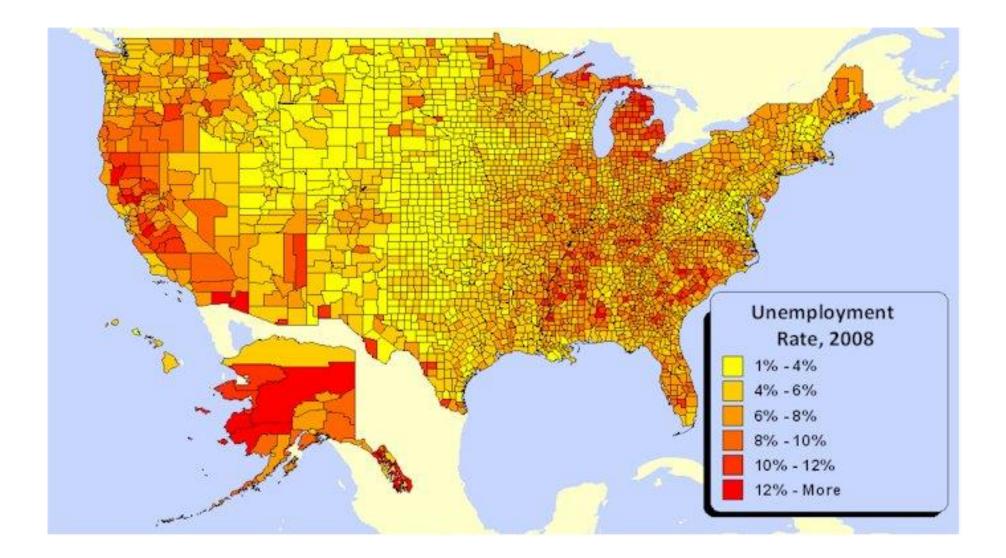
Frogtown·Community¶



East-St. Paul



The data visualization challenge



ArcGIS Online Subscription Plans

5 Users \$2,500 per year	50 Users \$10,000 per year SAVE 60% PER USER	100 Users \$17,500 per year SAVE 65% PER USER
Includes \$250 worth of	Includes \$1,000 worth of	Includes \$1,750 worth of
service credits.	service credits.	service credits.
(2,500 credits)	(10,000 credits)	(17,500 credits)
BUY ONLINE	BUY ONLINE	BUY ONLINE
For US Customers Only	For US Customers Only	For US Customers Only
Add more users for	Add more users for	Add more users for
\$2,500 per 5 users.	\$1,000 per 5 users.	\$875 per 5 users.

The data visualization solution



SOLUTIONS ~

DISCOVER ~

LOGIN

SIGN UP

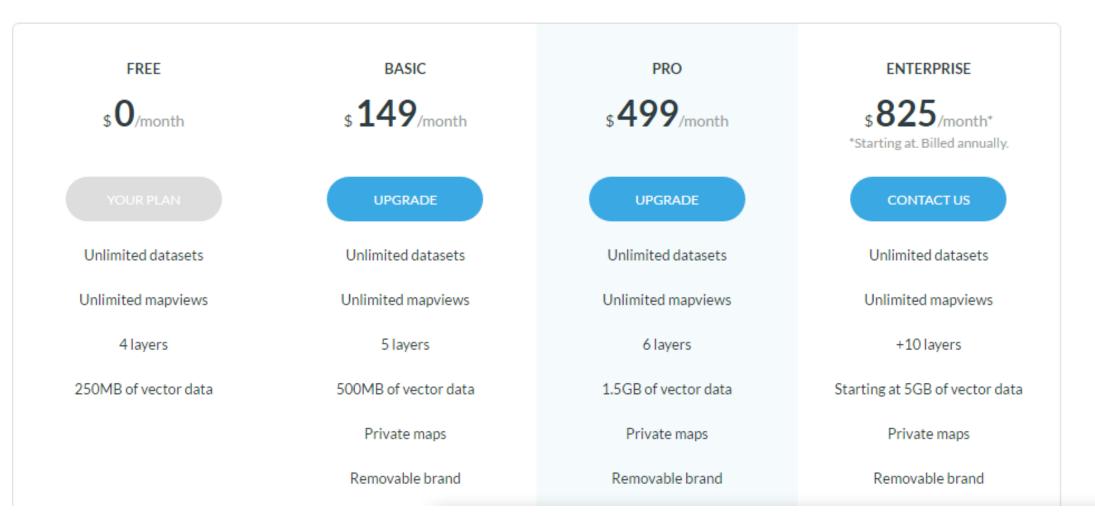
MAP YOUR WORLD'S DATA

CartoDB is the Easiest Way to Map and Analyze Your Location Data



Pay yearly and get 1 month off

All plans come with 14 days free trial 🛗



Is it confidential?

Step 1. Database Export.csv

Step 2. Data Cleaning

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1	Client ID	Address	Zip Code	Touch Date	Type of Touch	Spay/Neuter	timepoint
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3	55984	afond Avenue	55104	2014-06-01	Spay/Neuter Conversation	No	Baseline: Jun - Oct 2014
4	55412	ehart Avenue	55104	2014-06-17	Spay/Neuter Conversation	No	Baseline: Jun - Oct 2014
5	49811	nnehaha Ave.	55103	2014-06-24	Spay/Neuter Conversation	No	Baseline: Jun - Oct 2014
6	57432	nas Avenue #2	55104	2014-08-01	Spay/Neuter Conversation	No	Baseline: Jun - Oct 2014
7	57432	nas Avenue #2	55104	2014-08-01	Spay/Neuter Conversation	No	Baseline: Jun - Oct 2014
8	57432	nas Avenue #2	55104	2014-08-01	Spay/Neuter Conversation	No	Baseline: Jun - Oct 2014
9	6678	rshall Avenue	55104	2014-08-09	Spay/Neuter Conversation	No	Baseline: Jun - Oct 2014
10	6678	rshall Avenue	55104	2014-08-09	Spay/Neuter Conversation	No	Baseline: Jun - Oct 2014
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14	6680	2 Blair Avenue	55104	2014-08-09	Spay/Neuter Conversation	No	Baseline: Jun - Oct 2014
15	38817	harles Avenue	55103	2014-08-09	Spay/Neuter Conversation	No	Baseline: Jun - Oct 2014
16	6657	mont Avenue	55119	2014-08-09	Spay/Neuter Conversation	No	Baseline: Jun - Oct 2014
17	6657	mont Avenue	55119	2014-08-09	Spay/Neuter Conversation	No	Baseline: Jun - Oct 2014
18	6817	Avenue West	55104	2014-08-09	Community outreach event	Yes	Baseline: Jun - Oct 2014
19	6817	Avenue West	55104	2014-08-09	Community outreach event	Yes	Baseline: Jun - Oct 2014
20	6817	Avenue West	55104	2014-08-09	Community outreach event	Yes	Baseline: Jun - Oct 2014
21	6817	Avenue West	55104	2014-08-09	Community outreach event	No	Baseline: Jun - Oct 2014

Step 3. Geocoding

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excel-geocoding-tool.xlsx

12	Latitude	Longitude	Confidence	Location		Name	Description	Google Maps Link			
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Step 4. Upload into CartoDB

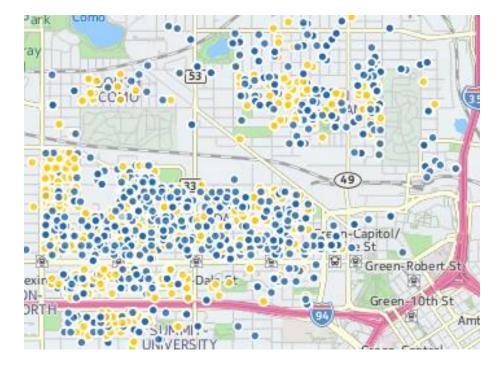
Step 5. Play with fun data viz options

https://5klynna5.cartodb.com

	PRODUCT	→ Soluti	IONS≁ DISC	OVER∽ LEAI	RN → PRICING		MAPS DATASETS
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2015-02-13T00:00:00Z	Yes		44.96179962	-93.13034821	Yes	231732	2 ROBBINSDALE
2015-06-06T00:00:00Z	Yes		44.96232224	-93.13018799	Yes	241706	2 MINNEAPOLIS
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2014-08-09T00:00:00Z	Yes		44.95908737	-93.1337738	Yes	225599	21 © OpenStreetMap contributors © CartoDB, CartoDB attribution, © OpenStreetMap Contributors © CartoDB

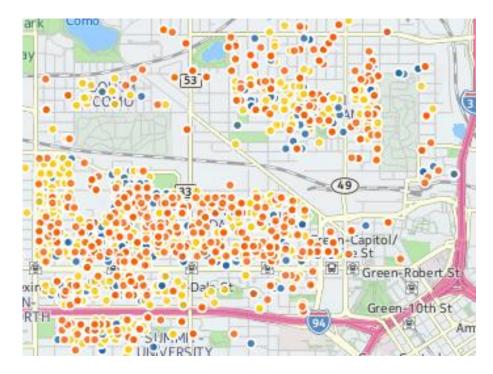
Spay/Neuter Status of Pets having interaction with AHS Community Outreach in Frogtown*

Original Status



Not Spay/Neutered

Current Status

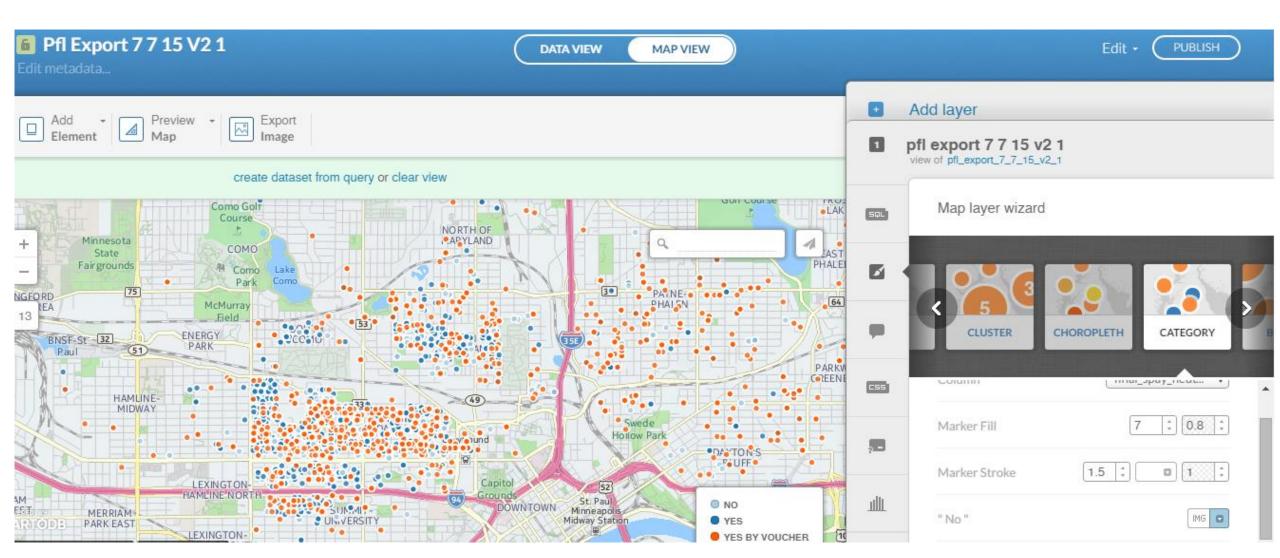


Spay/Neutered O Spay/Neutered through Kindest Cut

*June 1 2014 – July 7, 2015

Kirsten L. Anderson, M.A.

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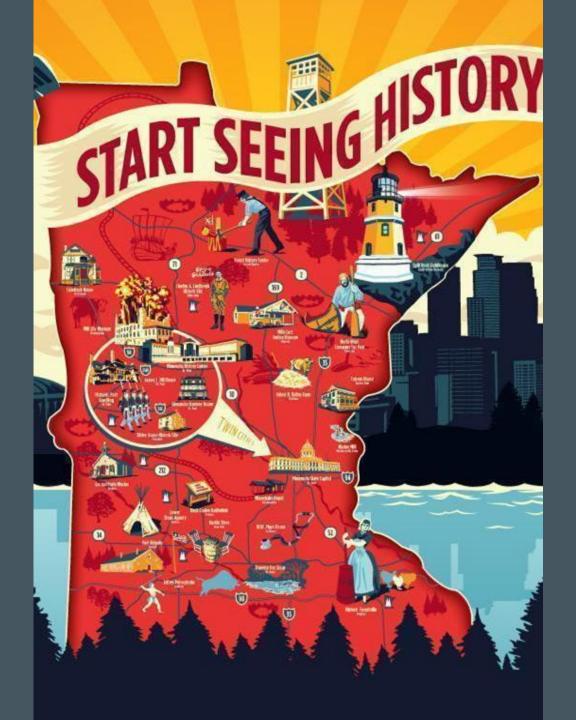
Presentation 4



Data Visualization Using Tableau

What is MNHS?

- Founded in 1849
- 26 historic sites and museums
- 700 employees
- 2 full-time evaluation staff



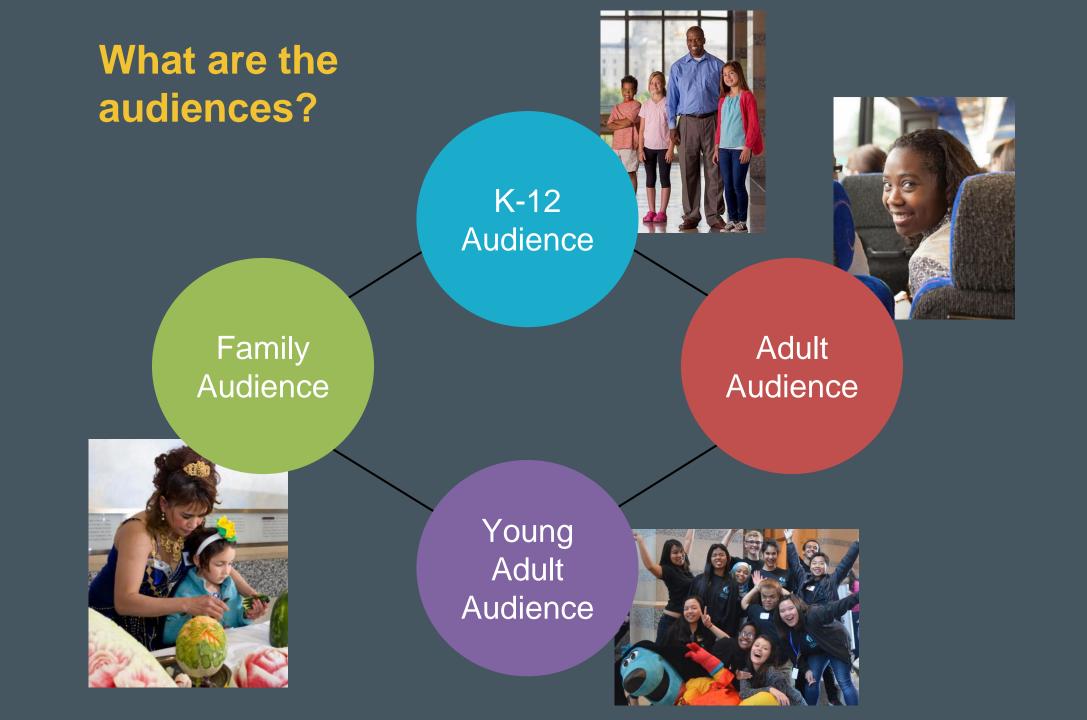
What does MNHS evaluate?

LOTS... ~150 evaluations annually

Two-thirds are public programs surveys







Who is my client? What are their needs?

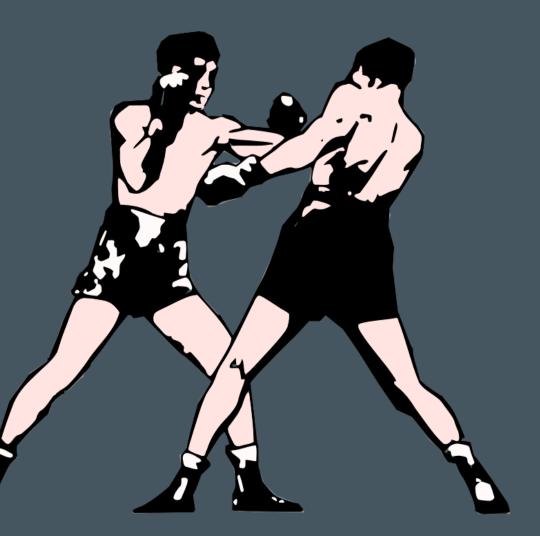
Program managers

- Individual program
- Filter by attributes

VS.

Division Directors Senior Leadership

- BIG data
- Compare by year and program



Who is my client? What are their needs?

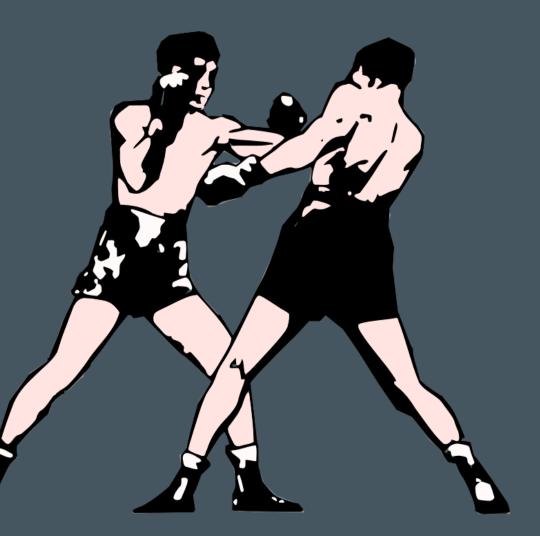
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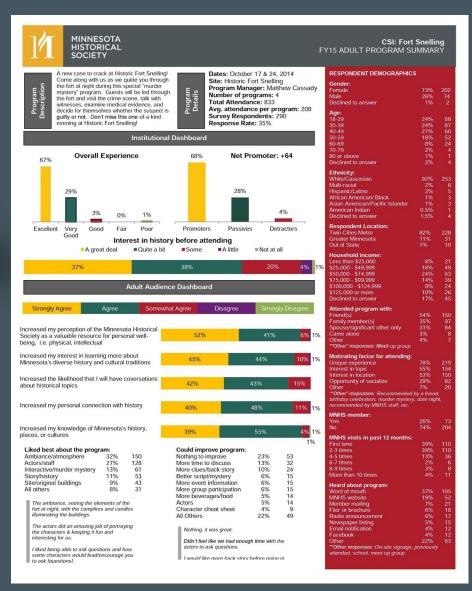


Reporting methods

Technical reports...nobody read



Paper Reports



Reporting methods

Google Dashboards



Current Evaluation Projects by Audience Type : web

Program Name	# of occurances	Program Attendance		Response rate	Overall experience (Excellent & Very Good)	Net Promoter score	Knowledge of MN history (Strongly agree/agree)	Personal connection with history	Interest in learning more about MN's diverse history and cultural traditions	Likelihood of conversation about historical topics	Perception of MNHS as a valuable resource for personal well- being	% Diverse race/etnicity
Total number of programs evaluated	Total # of occurances	Total attendance (for programs evaluated)	Total surveys collected	Avg. response rate	Avg.	Avg.	Avg.	Avg.	Avg.	Avg.	Avg.	Avg.
14	169	7,243	798	13%	95%	66	95%	90%	91%	89%	93%	6%
Summit Avenue Walking Tours	60	1082	62	6%	94%	74	96%	89%	91%	93%	89%	4%
History Pub Crawls	12	310	29	9%	90%	45	100%	90%	96%	90%	96%	0%
Minneapolis History Pub Crawls	8	182	28	15%	100%	75	100%	96%	92%	96%	96%	0%
Gold Medal Walking Tours	33	769	72	9%	97%	65	98%	86%	88%	89%	91%	9%
Architecture Tours	7	219	42	19%	98%	81	100%	93%	98%	93%	95%	2%
Grandparent's Day	2	316	33	10%	100%	50	100%	94%	93%	93%	90%	8%
Mill City Live	4	1672	91	5%	94%	71	76%	73%	80%	80%	86%	3%
Celebrate the Garden Harvest	1	63	11	17%	91%	82	100%	100%	100%	100%	100%	30%
CSI: Fort Snelling	4	833	290	35%	97%	64	94%	88%	89%	85%	94%	6%
Toys & Tunes with Dan Chouinard	1	123	22	18%	100%	77	86%	86%	75%	72%	95%	0%

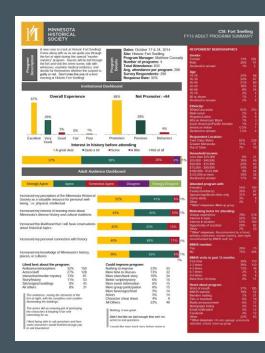
What is Tableau?



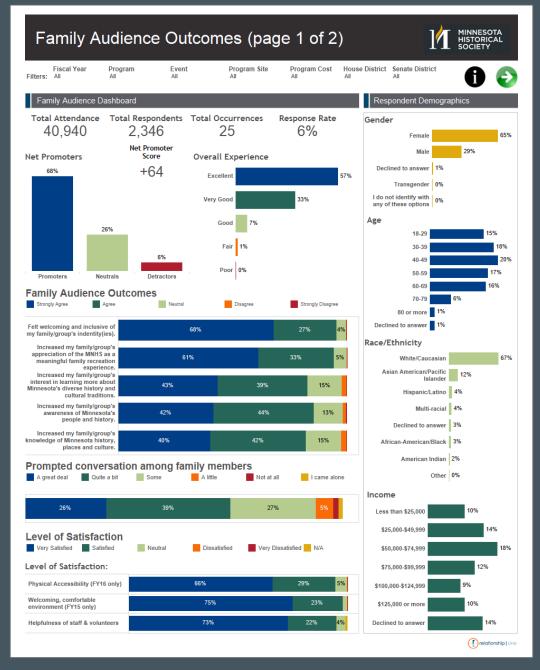


Tableau Audience Reports

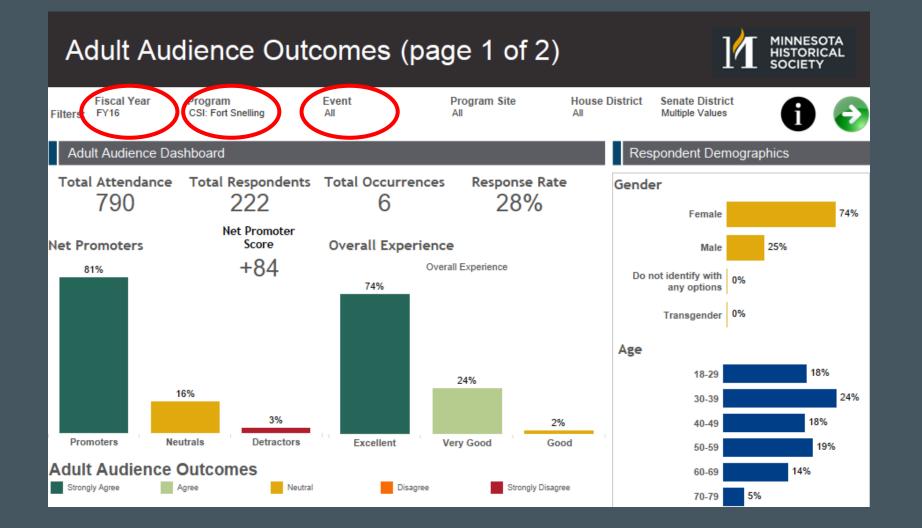
Print



Digital



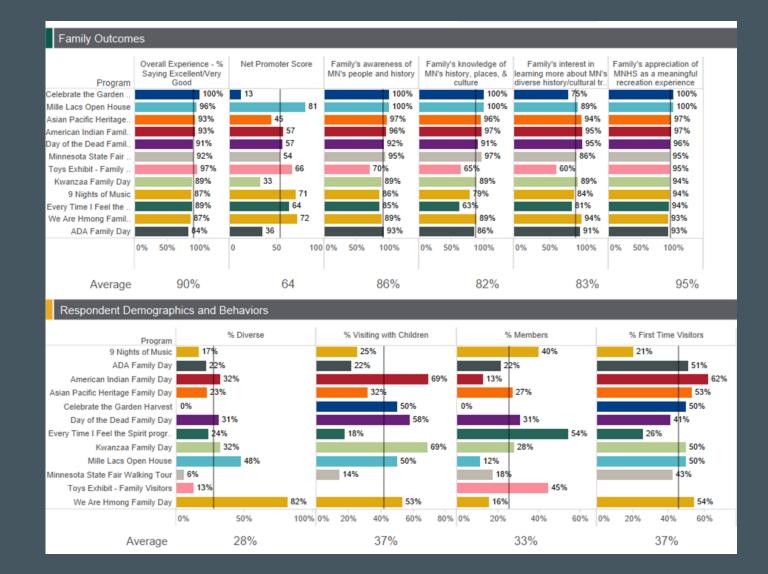
Ability to show individual program survey data



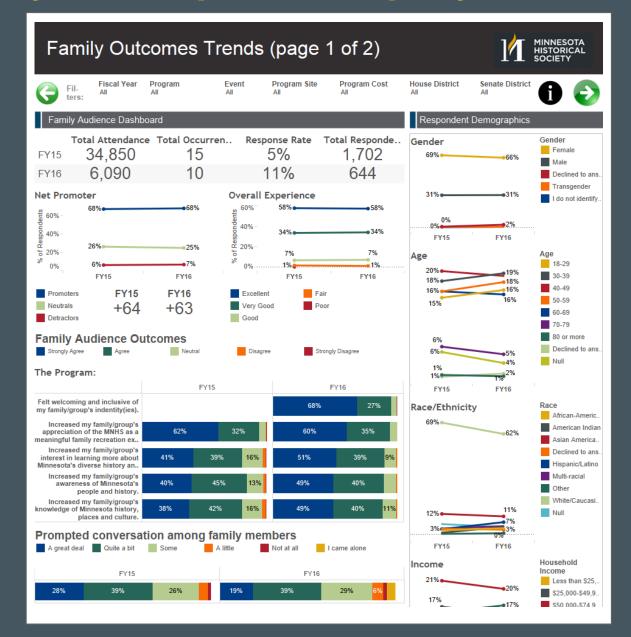
Ability to show aggregate audience data



Ability to compare programs



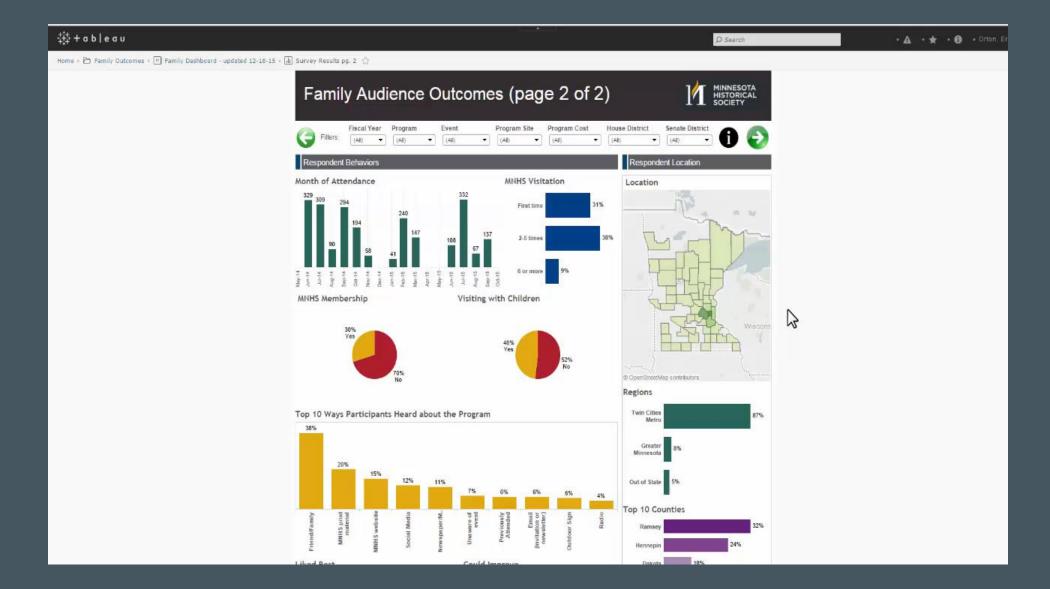
Ability to compare multiple years of data



Ability to filter and sort data It's interactive!!

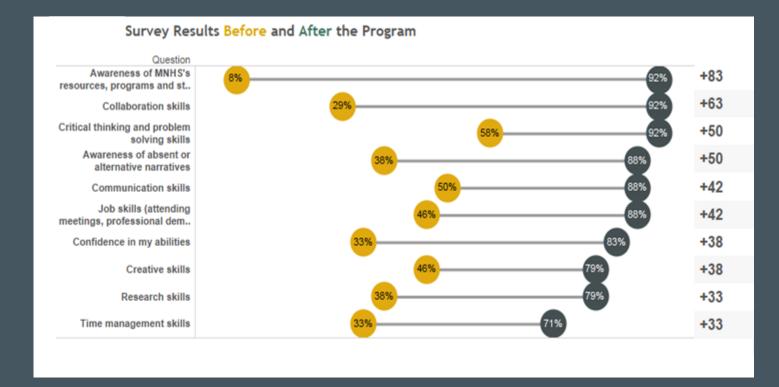


Filtering Data



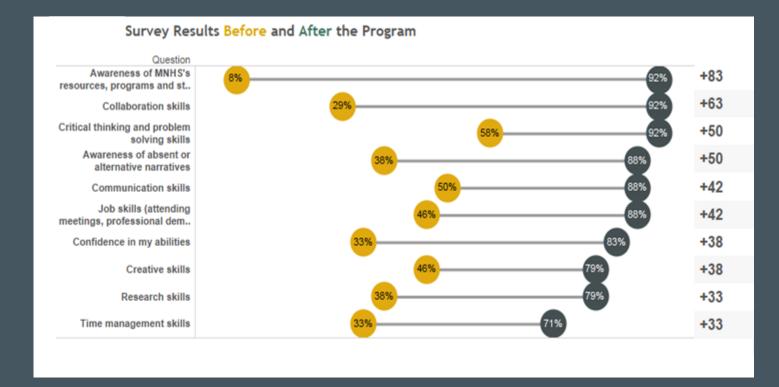
Pros

- Transparency
- Accessible
- Easy to understand data
- A lot of visualization options
- Combining many reports into one



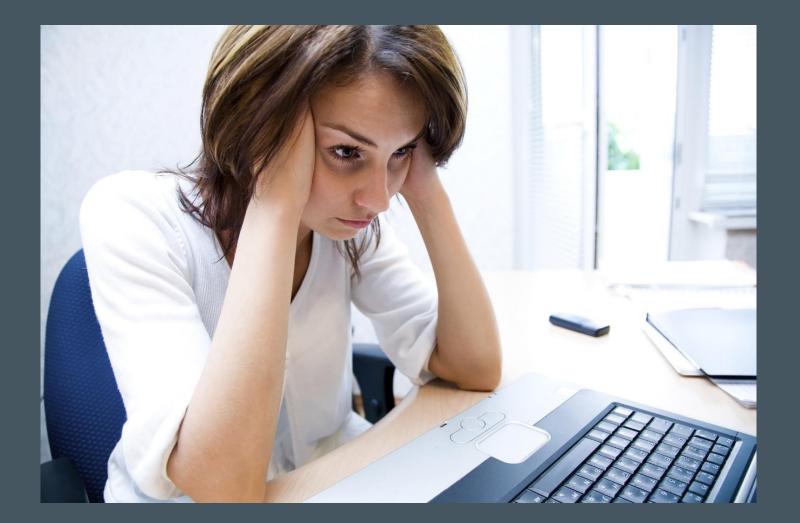
Pros

- Transparency
- Accessible
- Easy to understand data
- A lot of visualization options
- Combining many reports into one



Cons

- Expensive (up to \$2000 per desktop license)
- Steep learning curve for creating dashboards
- Not designed for survey data



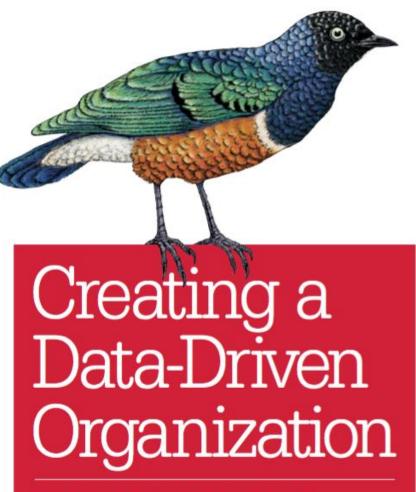


Erica Orton erica.orton@mnhs.org

Presentation 5

Please Feed the PANDA





PRACTICAL ADVICE FROM THE TRENCHES

Carl Anderson

Joinable



Shareable



Queryable



What about making connections *between* datasets?







My project



(Not really *my* project at all, but calling it that helps get this photo in the door.)



* Recursive acronym

PANDA makes data journalism easier.



Information on a deadline The newsroom's data at your fingertips, available at the speed of breaking news.



Smarter, not harder Subscribe to your favorite searches to get an email when news happens.



Institutional memory People are going to leave, but your data shouldn't. Make it faster for new reporters to find stories in data.

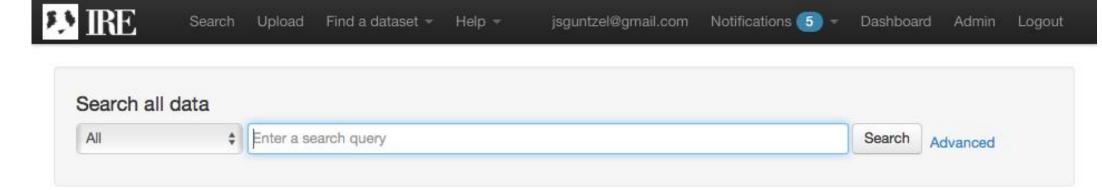


Newsroom born & raised PANDA was built by newsroom developers, with the support of The Knight Foundation. It is sustained by Investigative Reporters and Editors.

PANDA is ...

- A private data library
 for your newsroom
- A place for teams to <u>share spreadsheets</u>
- A place to keep your <u>FOIA requests</u>

- Your robot friend that <u>emails you important</u> <u>news</u>
- A search engine for your names, phone numbers and more



Welcome to PANDA! Let's get started.

↑ Use the box above to search all the data in your PANDA. Try a name, street or something on your beat.

➡ Look to the right for a list of datasets folks have recently uploaded.

Have a spreadsheet? Upload your own data to keep it safe and make it searchable.

Ready to be a power user?

- How to make advanced searches
- How to upload data
- How to subscribe to search results
- · For much more, read the complete documentation

Recently added datasets

Interviews A full record of participant interviews, 2014-2016.

Created 3 minutes ago

Essays Examining the World of Harry Potter

I have no idea where this delightful spreadsheet comes from--besides the internet.

Created 4 minutes ago

Participation All participation records, 2014-2016.

Created 7 minutes ago

Nationwide Karaoke 70s Collection A list of all 70's hits available for rental from Nationwide Karaoke.

Created 9 minutes ago

Surveys

Participant end of offering surveys 2014-2016

Created 10 minutes ago



Search Participation

Enter a search query

Search

More search options

About Participation (7 rows) Actions

SAMPLE DATA

last	first	school	position	offering	session	date
Snape	Severus	Hogwarts	Classroom Teacher	Relationship Building	Session 4	2015-01-02
Snape	Severus	Hogwarts	Classroom Teacher	Relationship Building	Session 3	2014-12-02
Snape	Severus	Hogwarts	Classroom Teacher	Relationship Building	Session 2	2014-11-02
Snape	Severus	Hogwarts	Classroom Teacher	Relationship Building	Session 1	2014-10-02
Bowie	David	School of Rock	Headmaster	Student Engagement	Session 3	2014-03-16

Showing 5 sample rows from 7 total rows in this dataset. View all rows »

HISTORY

Created by jsguntzel@gmail.com on January 19, 2016 at 1:16 pm.. Data never modified.

DESCRIPTION

All participation records, 2014-2016.

CATEGORIES

Education, Participation

Edit name, description or categories

DATA FILES

• Participation.xls uploaded by jsguntzel@gmail.com 3 6 🗇 💼

O Upload more data »

RELATED LINKS No related links.

Add or remove related links

RELATED FILES

Related files

Upload related file

1-4 of 4 matching datasets

Participation

All participation records, 2014-2016.

4 matching rows (7 total rows)

last	first	school	position	offering	session	date
Snape	Severus	Hogwarts	Classroom Teacher	Relationship Building	Session 4	2015-01-02
Snape	Severus	Hogwarts	Classroom Teacher	Relationship Building	Session 3	2014-12-02
Snape	Severus	Hogwarts	Classroom Teacher	Relationship Building	Session 2	2014-11-02
Snape	Severus	Hogwarts	Classroom Teacher	Relationship Building	Session 1	2014-10-02

Interviews

A full record of participant interviews, 2014-2016.

1 matching row (2 total rows)

last	first	school	position	int_date	interviewer	related_offering
Snape	Severus	Hogwarts	Classroom Teacher	2015-01-07	JSG	Relationship Building

Essays Examining the World of Harry Potter

I have no idea where this delightful spreadsheet comes from--besides the internet.

1 matching row (20 total rows)

YEAR	SUBMITTER	TITLE OF ESSAY	SUBJECT MATTER
2005	Andrea Berman	"The Dark Night of Professor Snape"	Snape's motives and character examined from Catholic perspective

Surveys

Participant end of offering surveys 2014-2016.

1 matching row (2 total rows)

last	first	school	position	survey_date	response_id	related_offering	recommend
Snape	Severus	Hogwarts	Classroom Teacher	2015-01-03	Rs8675io9	Relationship Building	No

Find a dataset			
all 🔶	Enter a search query	Search	Advanced

1-5 of 5 matching datasets (5 total datasets)

Dataset	Categories	Created \$	Columns
Interviews	Education,	jsguntzel@gmail.com on	last first school position int_date interviewer related_offering
A full record of participant interviews, 2014-2016.	Interviews	January 19, 2016 at 1:20 pm	
Essays Examining the World of Harry Potter I have no idea where this delightful spreadsheet comes from besides the internet.	Education	jsguntzel@gmail.com on January 19, 2016 at 1:20 pm	YEAR SUBMITTER TITLE OF ESSAY SUBJECT MATTER
Participation	Education,	jsguntzel@gmail.com on	last first school position offering session date
All participation records, 2014-2016.	Participation	January 19, 2016 at 1:16 pm	
Nationwide Karaoke 70s Collection A list of all 70's hits available for rental from Nationwide Karaoke.	Entertainment	jsguntzel@gmail.com on January 19, 2016 at 1:14 pm	# of Songs Artist Song Genre
Surveys	Education,	jsguntzel@gmail.com on	last first school position survey_date response_id related_offering recommend
Participant end of offering surveys 2014-2016.	Surveys	January 19, 2016 at 1:14 pm	

1-5 of 5 matching datasets (5 total datasets)

Search Int	terviews					Wildcards	Exact phrases
Enter a search query Search					Use an asterisk to match	Put phrases in quotes:	
Fewer search	options					part of a word: coff* will match "coffee",	"Chicago Bears" will not match "Chicago
Search by co	olumn					"Coffer" or "coffins".	Panda Bears".
						AND/OR	Grouping
Remove	school	is like	\$			Use AND and OR to find	Group words with
						combinations of terms:	parantheses: homicide
				Range: 2014-04-16 to 2015-01-07		homicide AND first	AND (first OR 1st)
				Hange. 2014-04-10 10 2013-01-07		will match "first degree	will match "1st degree
Remove	int_date	is on or after	\$			homicide" or "homicide,	homicide", "first degree
		0				first degree", but not just	homicide", or "homicide,
						"homicide".	first degree".
Remove rel	lated_offering	is like	\$			Alternate names	
						PANDA will attempt to mate	h informal and alternate
						English first names: bill	
	Pick a colum	n 🛊			Search	"William", etc. It will not ma	
Add to search	n Fior a colum	• •			Gearch	trinant, etc. it will for the	ton mopolingo.

About Interviews (2 rows) Actions -

SAMPLE DATA

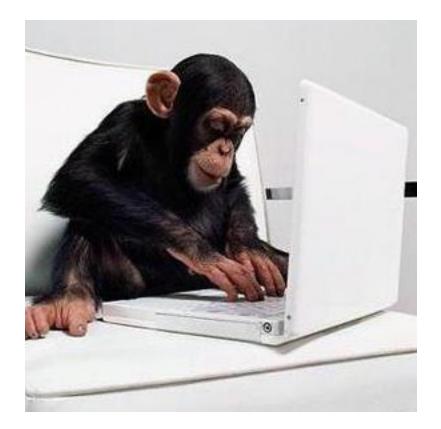
last	first	school	position	int_date	interviewer	related_offering
Snape	Severus	Hogwarts	Classroom Teacher	2015-01-07	JSG	Relationship Building
Bowie	David	School of Rock	Headmaster	2014-04-16	JSG	Student Engagement

What PANDA is not.









Feed the PANDA!



			希 panda
			Search docs
GitHub	This repository	Search	Local development & testing
D pandapro	ject / panda		Production deployment Domain name (DNS)
<> Code	() Issues 52	1 Pull requests 2	Email (SMTP)
PANDA: A Ne	wsroom Data	Appliance http://panda	Performance aproj Secure connections (SSL)
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client		Add a warning for large	file u Systems Administration (Ops)
config		Rev to version 1.1.2 for	deve Backups
docs		Our AMI only works on	m1.sr Storage
jumpstart		Fix jumpstart syntax err	ors. C Upgrades
locale		Import DE, ES, and IT to	ransla API Import Tutorial
panda		Tweak manual import d	ocs fr API Documentation
scripts		Add migration and docs	
setup_pano	da	Remove nginx file size I	limit. I
solr_plugin	/panda	Add default constructor	for cu

Docs » PANDA: A Newsroom Data Appliance

PANDA: A Newsroom Da

About

nguages

iets

PANDA is your newsroom data appliance. It p data, search it and share it with the rest of you

The PANDA Project is 2011 Knight News Cha like to thank the Knight Foundation for their g source software for newsrooms.

Logistical support and fiscal agency for PAND Investigative Reporters and Editors. Our since a reality.

Note

Are you a reporter? Documentation for use Project Cookbook.

What is PANDA?

PANDA is:

- · A place for journalists to store data.
- · A search engine for your news data.

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@pandaprolect

PANDA, A Newsroom Data Appliance -an @IRE_NICAR project, funded by @knightfdn. Try our demo! demo.pandaproject.net

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- 8 pandaproject.net
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TAB	suggested architecture imp					





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Search all o		Enter a search query	Search	Advanced				

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