



Technology + evaluation =



...less paper, more data

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PACIFIC
AIDS
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Technology + Evaluation: topics

1. ARS
2. Mobileweb
3. Word Clouds



Learning objectives

- Identify how technology (ARS and/or mobileweb) can improve your evaluation response.
- Describe how technology can improve your evaluation results.
- Explain how technology can decrease staff time and increase data accuracy.

Audience Response Systems (ARS)

Using clickers to increase evaluation response and make data collection easier.

ARS is a generic term but we used the Turning Technology system, one of the most common



Evaluation overview

- Conference scenario:
 - *evaluating a 3-day faculty development conference of 114 participants*
- Collection tools:
 - *ARS during all plenary and some workshops*
 - *brief written evaluation for most workshops*
 - *written “overall” evaluation including space for comments*



Why ARS?

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Written evaluation (same format)

Response rate:	2009	2010
Written	70%	68%

■ Response rate increase with ARS

Response rate:	2009 (written)	2010 (ARS)
Plenary sessions (3 days)	70%	88%
Plenary sessions 2 days	70%	94%



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But who are these new, reluctant participants?



Evaluation 2010: ARS versus written

	usefulness	interactivity	overall quality	trainer modeling
Plenary sessions (ARS)	4.09	3.64	4.19	3.96
Written evaluation	3.67	3.75	3.77	3.73



ARS only participants were also ...

- more likely to show a gain in knowledge pre/post (statistical significance)
- more likely to rate plenary sessions as useful (statistical significance)



In fact, these “reluctant” participants may be your biggest fans





Demographic differences - higher % of ARS only trainees were:

- non clinicians,
- male
- AF-AM/Latino



Lessons learned

- The increase in response rate especially for the first two days (94% vs 70%) indicates that use of ARS increases evaluation participation
- Results indicate that ARS may increase participation of those who see the sessions more positively
- ARS may widen demographics of your evaluation participants



Lessons learned (cont'd)

- Use of ARS for evaluation involves more up-front planning and coordination
- But it also eliminates the need for data entry and offers data ready for analysis



Cons:

- No ability to enter text with most clickers
- Therefore lack of qualitative information in ARS evaluations
- Would still need paper or other alternative (mobileweb) to collect comments



OK but HOW?

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Program evaluation

The next questions begin our evaluation. Do not worry! We will not be showing any of the polling results publicly.

Please answer the next questions as honestly as possible. Most use a scale, so please choose the answer that most closely fits your reaction to the session.



1. How would you rate the overall quality of the program?


1. Poor

2.

3.

4.

5. Excellent



For the next slide rate your level of knowledge or skill for each question **before** the training program and **after** the training program.

These questions are on a scale so please choose the number that most closely corresponds to your experience.



BEFORE this training:

2. How would you rate your level of knowledge about this content?

1. Novice
- 2.
- 3.
- 4.
5. Expert



AFTER this training:

3. How would you rate your level of knowledge about this content?

1. Novice
- 2.
- 3.
- 4.
5. Expert



Short answer: Four part process

- Upload unique id to ARS
- Save each session separately using same evaluation slide set
- Export saved session as report for faculty presenters
- Export saved session as report to evaluate conference



Unique ID

- This is the most challenging portion of the ARS for the basic “clickers”
- At registration, we had participants “check out” the clickers using their unique id not their name or tel # to maintain anonymity
- Risk: losing clickers
number lost=1



Using list was a 4 part process

- On list, write unique id beside clicker number
- Enter clicker # and unique id into excel
- Save list as CSV
- Upload to ARS before presentation

Example of clicker list

clicker number	unique id
132F07	05248692
132EC1	12203968
132E6E	06083004
132FC3	03309475
132E9E	12128263
132FD6	08165841

Upload list into ARS

The screenshot shows a web application interface with three tabs: 'Polling', 'Content', and 'Manage'. The 'Manage' tab is highlighted with a red circle. Below the tabs, there are two dropdown menus: 'Participant List' and 'Session'. The 'Participant List' dropdown is open, showing three options: 'Auto', 'Anonymous', and 'Simulated'. To the right, there is a 'Participant List Overview' section with a pencil icon and the following details: Name: Auto, Date Created: N/A, and Date Modified: N/A.



Click on participant list: new

The screenshot shows the 'TurningPoint Dashboard' interface. At the top, there are three tabs: 'Polling', 'Content', and 'Manage'. Below the tabs, there are two dropdown menus: 'Participant List' and 'Session'. The 'Participant List' dropdown menu is open, and the 'New' option is highlighted with a red circle. Other options in the menu include 'Import', 'Export', and 'Delete'. To the right of the dropdown menus is a 'Participant List Overview' section. It contains a pencil icon, the text 'Name: Auto', and two rows of information: 'Date Created: N/A' and 'Date Modified: N/A'. There are also labels 'Number' and 'Num' on the right side of the overview section.



Choose "create manually"

The screenshot shows a web application interface with three tabs: 'Polling', 'Content', and 'Manage'. The 'Manage' tab is selected. On the left, there are two dropdown menus: 'Participant List' and 'Session'. Below them are three options: 'Auto', 'Anonymous', and 'Simulated'. The main area displays 'Participant List Overview' for a list named 'Auto'. It shows 'Date Created: N/A' and 'Date Modified: N/A'. A 'Create Participant List' dialog box is open in the foreground. The dialog has a title bar with a close button. It contains a text field for 'Name' with the value 'New List 9-28-2012 5-41 PM'. Below the text field are two radio button options: 'Create Manually (Includes .csv, txt, and .tptx imports)' and 'Download from Integration (Blackboard, Moodle, etc.)'. The 'Create Manually' option is selected and circled in red. At the bottom of the dialog are two buttons: 'Create List' and 'Cancel'.

Click "participant", "import", "csv"

The screenshot shows the 'TurningPoint Dashboard' interface. At the top, there are three tabs: 'Polling', 'Content', and 'Manage'. The 'Manage' tab is selected and highlighted in orange. Below the tabs, there is a toolbar with several icons: a person icon (labeled 'Participant'), a grid icon (labeled 'Column'), a pie chart icon (labeled 'Demographic'), a pencil icon (labeled 'Edit'), a printer icon (labeled 'Print'), and a floppy disk icon (labeled 'Save'). To the right of the toolbar, the text 'New List 9-28-2012 5-44' is visible. Below the toolbar, there is a table with columns for 'Last Name' and 'First Name'. The 'Participant' dropdown menu is open, showing options: 'Add', 'Remove', 'Duplicate List', 'Import', and 'Export'. The 'Import' option is highlighted in blue. A secondary dropdown menu is open for 'Import', showing options: 'CSV', 'TXT', and 'Template'. Red circles highlight the 'Participant' icon, the 'Import' option, and the 'CSV' option.



You need to change header to indicate device id

Import File

Delimiter

Comma Tab Other Text Qualifier: (None)

Data

Starting Row: 1 Starting Column: 1

Contains Headers Device ID: (None) User ID: (None)

Preview:

ARS Clicker Number	Unique id
132F07	05248692
132EC1	12203968
132E6E	06083004
132FC3	03309475
132E9E	12128263
132FD6	08165841

Import



Imported Participant List

Participant List Overview



Name: **New List 9-28-2012 5-44 PM**

Date Created: 9/28/2012 5:58:59 PM

Number of Participants: 132

Date Modified: 9/28/2012 6:00:18 PM

Number of Sessions: 0

Preview:

Device ID(s)

User ID

13207

05248692

132EC1

12203968

132E6E

06083004

132FC3

03309475

132E9E

12128263

132FD6

08165841

132F00

08165841

Once uploaded you can still edit...

TurningPoint Dashboard

Participant List Overview

Name: New List 9-25-2012 4-11 PM

Date Created: 9/25/2012 4:12:24 PM Number of Participants: 117

Date Modified: 9/25/2012 4:12:24 PM Number of Sessions: 0

Preview:

Device ID(s)	LPS Owner	Clicker #
132F07	SFAETC	1
132EC1	SFAETC	2
132E6E	SFAETC	3
132FC3	SFAETC	4
132E9E	SFAETC	5
132FD6	SFAETC	6
132F83	SFAETC	7
132F76	SFAETC	8
132ED8	SFAETC	9
132EC7	SFAETC	10
132FC2	SFAETC	11
132E74	SFAETC	12
132FD5	SFAETC	13
132FDD	SFAETC	14
13C7B5	SFAETC	15

Edit Participants **Results Manager**



Your new list now appears

TurningPoint Dashboard

Polling Content **Manage**

Participant List Session

New List 9-28-2012 5-44 PM

Auto

Anonymous

▶ Simulated

Participant List Overview

Name: Auto

Date Created: N/A

Date Modified: N/A

Participant list now appears in all tabs

TurningPoint Dashboard

Polling Content Manage

TurningTalk Feedback

Participants Anonymous

- Auto
- New List 9-25-2012 4-11 PM**

Receiver:
None Found.

ResponseWare:
[Click to Connect](#)

PowerPoint® Polling
Deliver interactive PowerPoint presentations using seamlessly created PowerPoint slides or imported TurningPoint question lists.

Anywhere Polling
Poll atop web pages, videos, documents or any application using a floating interactive toolbar.

Self-Paced Polling
Poll assessments, evaluations, and surveys that require participants to work at their own pace.

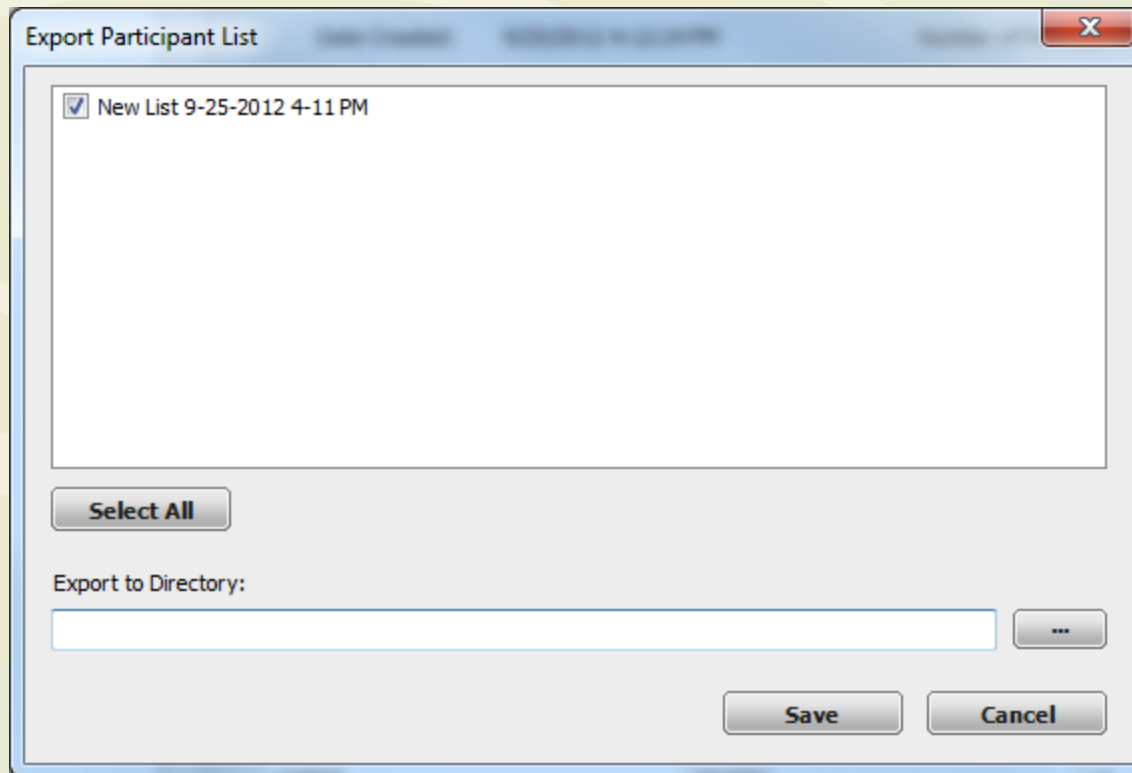
Content
None

Help

TurningPoint®
by Turning Technologies

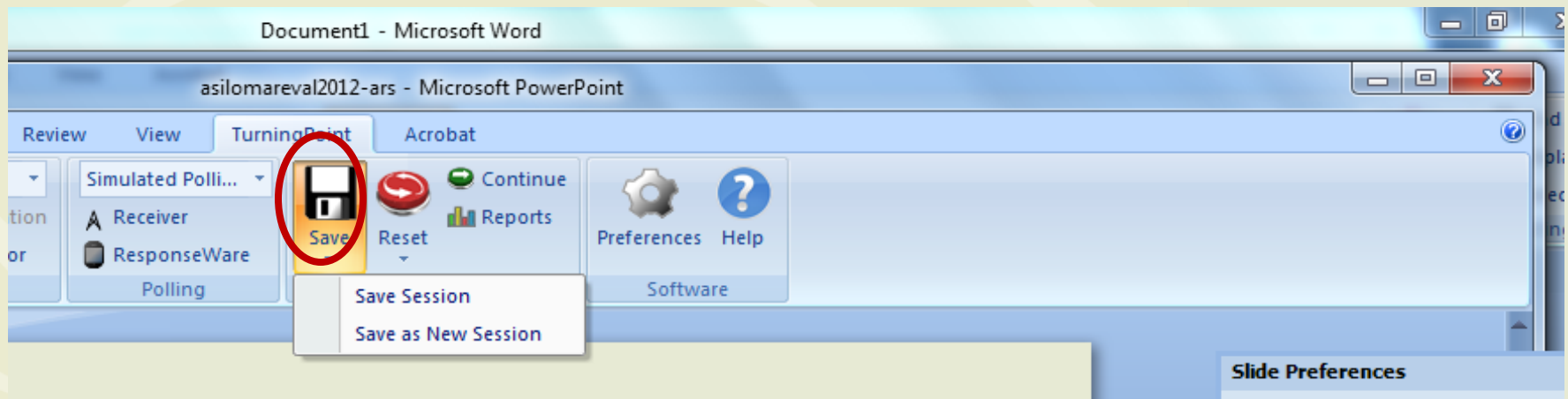
Preferences

You can choose to export the list



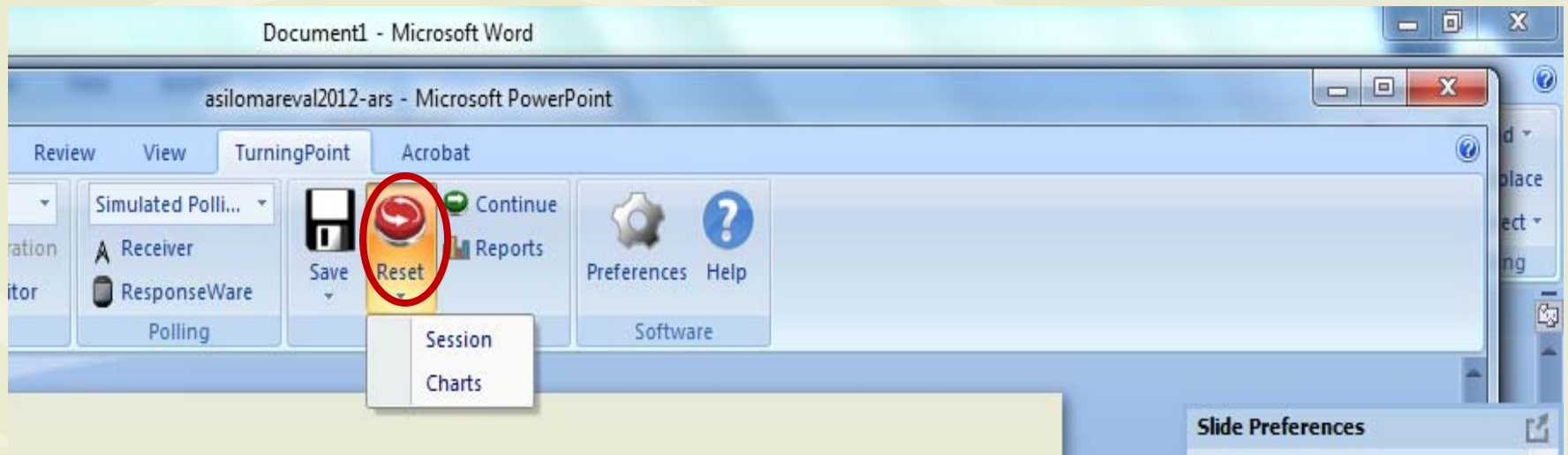


After each session, you will save and...





...reset session



After session, choose a report

The screenshot shows the TurningPoint Reports window. The 'Export' button is circled in red. The 'Reports' menu is open, showing options like 'Results Detail', 'Results By Question', 'Results By Participant', 'Results Detail', 'Results By Demographic', 'Comparative Results', and 'Session Log Report'. A red arrow points from the 'Export' button to the 'Results Detail' option in the menu.

Session Name: Current Session
Date Created: 9/28/2012 9:24:03 PM
Average Score: 0.00%
Active Participants: 30 of 30
Questions: 7

Results Detail

Device ID	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Total Points
Answer Key	-	-	-	-	-	-	-	0
16	1	2	4	2	5	2	1	0.00
3	2	5	3	3	1	3	4	0.00
27	5	3	4	2	2	2	1	0.00

Participants
Device ID: [Dropdown]
 Active Participants Only

Data
 Answers
 Expand
 Total Points
 Score

Close



Spreadsheet export from ARS

Session Name: HIV co management 9-27-2010 11-41 AM

Created: 9/29/2010 11:30 AM

Device ID	Unique ID	1) 1. How would you rate this session's usefulness?
132F07	05248692	5
132EC1	12203968	5
132FC3	03309475	5
132E9E	12128263	-
132FD6	08165841	4
132F83	03136416	5
132F76	11076371	5
132ED8	10173481	-
132EC7	10213600	-
132FC2	03093404	4
132E74	01012314	4
132FD5	12073802	3
132FDD	11030832	-



Ok now you try.....

If you don't have turning point you can download a non-install version here which doesn't require that you get your computer administrator involved.....

- <http://www.turningtechnologies.com/responsesystems/support/downloads>