

ASKED & ANSWERED

Tools, Tips, and Resources for Using Surveys

USA Today has come out with a new survey. Apparently, three out of every four people make up 75% of the population.

– David Letterman

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December 4, 2014 @kamellatate @LACountyArts http://www.lacountyarts.org/



Today

- Assessment & Evaluation Basics
- Whats and Whys of Surveys
- Surveys Step-by-Step
 - Writing Items
 - Data Placemats
- Survey Clinic

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A&E Basics: What for?

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1. Organizational learning and improvement

- Programs, policies, and practices
 - Who are we, what do we do, how do we do it, whom do we serve, how can we get better?

2. Demonstrate value and effectiveness

- · What's going on, how much, what kinds?
 - Find the story, tell the story

3. Grantee feedback

- Needs, wants, interests
 - Local knowledge, trends, patterns, relationships

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Why assess? Why evaluate?

- Documentation: What's happening? What's our story?
- Planning and improvement: Evidencebased quality/performance management.
- Effectiveness: What's working? What's not working? Monitoring and managing.
- Advocacy: Find the case. Make the case.

Evaluation is accountability-in-action.

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What we mean by . . .

Assessment

Assessment is the **organized** and **ongoing process** of collecting and analyzing data and information . . .

. . . so as to **measure** and **describe** activities, practices, progress, and other dimensions of performance.

What's happening?

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What we mean by . . .

Scriven, M. (1998). Minimalist theory of evaluation: The least theory that practice requires. American Journal of Evaluation. 19(1), 57-70.

Evaluation

Evaluations are **systematic investigations** that involve synthesizing and integrating assessment data and then using this information to make **inferences** and **judgments** about:

- the merit (i.e., quality, excellence)
- the worth (i.e., value, cost-effectiveness)
- and/or the **significance** (i.e., importance, impact) of a project, program, or organization.

Is it working/not? Why is it working/not?

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An Evaluation Continuum

INFORMAL

FORMAL

INFORMAL EVALUATION

May be more involved with:

- Day-to-day operations
- Improvisational, unstructured
- Action-oriented, problemsolving
- Staff, clients, participants

FORMAL EVALUATION

May be more involved with:

- · Systems, policies, models
- Structured activities, workplans
- Organizational development
- Multiple stakeholder groups within the community

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An Evaluation Continuum



INFORMAL

<-OGP-I--OGPII---OGP-2.5-OGP-III->

FORMAL

INFORMAL QUESTIONS

- What's happening? How are things going?
- Did you get X done? What do we need to do to get X done?
- How did they (patrons, students, visitors, teachers) like it? Any complaints?
- · Where are we on the budget?
- · How are the reviews?
- How many people came?

FORMAL STRATEGIES

- Seeking input from a wide variety of stakeholders
- · Using an outside evaluator
- Developing scaled surveys and doing statistical analyses
- Conducting individual and group interviews (focus groups)
- Measuring impact; cause-effect
- Publishing white papers, research briefs, studies, etc.

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valuation – CRITERION 4

How with ou measure the effectiveness of your project plan and activities?

What qualitative (narrative) and/or quantitative (numbers) data will you use to demonstrate how well you are achieving your project's goals and objectives?

If you will be using funds to support a staff position, how will you evaluate his/her job performance? [CRITERION 4]

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Methods & Data

- Quantitative methods are used to collect and analyze numerical data.
- Qualitative methods are used to collect and analyze textual data - written narratives, documents, and artifacts.
- Multi/Mixed methods are used to collect and analyze quantitative AND qualitative data (numerical, textual, and artifactual) in a single project or program of related projects.

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Methods & Data

Quantitative (data, methods, designs)

Empirical evidence in the form of numbers – numerical indicators that allow for counting, ranking, or scaled measurement.

- N = 404; 48.4%; 3.21
- 1st, 2nd, 3rd
- Strongly Disagree = 1 . . . Strongly Agree = 4

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Methods & Data

Indicators/Indices

Performance measures or **metrics** – signals, measures, yardsticks, markers, guides.

- Measurement of an attribute of the thing being evaluated; a dimension of the desired outcome.
- In evaluation
 - How will you know if you are making progress toward your desired outcomes?
 - o How will you know when you've "arrived"?
- Activity Packet p. 1

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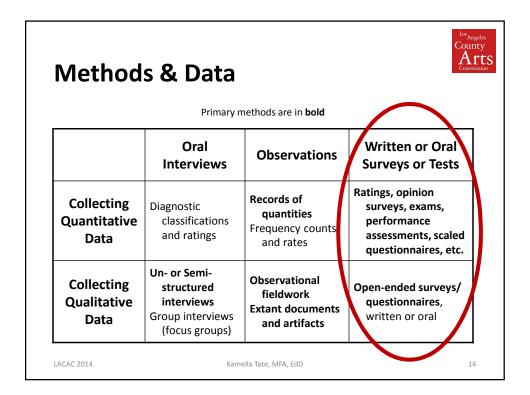
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Methods & Data

Qualitative (data, methods, designs)

Empirical evidence largely in the form of words and text – narratives, stories, memos, transcripts, and quotes, as well as descriptions of images, spaces, events, artworks, etc.

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Self-Test Activity Packet p. 2

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Whats and Whys of Surveys

What's a survey?

Broadly: Any measurement process that involves **asking questions** of respondents.

- A data collection method used to "describe, compare, or explain individual and societal knowledge, feelings, values, preferences, and behavior."
 - What people "... believe, know, and think" (Fink, 2009, p. 11).

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More On Surveys

(Fink, 2009, p. 11)

A survey can be a **self-administered questionnaire** that someone fills out alone or with assistance.

- Self-administered questionnaires can take the form of written or online surveys.
 - Written surveys may be completed by mail or on-site.

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A Bit More On Surveys

(Fink, 2009, p. 11)

- A survey can be an interview done in person or on the telephone.
- The Internet is an efficient way to reach a lot of respondents (as well as making data entry and scrubbing much easier) but:
 - Technical expertise is needed to do them well.
 - Privacy may be a concern to respondents.
 - Inability to get random samples is inconvenient for researchers.

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Why Do A Survey?

- **1. Plan, monitor, and manage:** Activities, projects, programs, policies, operations, etc.
 - When should our gallery open on Saturdays?
- 2. Assess and evaluate effectiveness.
 - Were the teachers satisfied with our Arts PD?
 - What do the teachers think they learned at our Arts PD?
- **3. Organizational learning:** Strategic planning, advance the field, research questions, etc.
 - What determines people's choices about leisure activities?
 - What zip codes constitute our primary service area?

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Useful Terms



- Item What the participant is responding to. Not always a question!
- Response or answer categories The possible responses or answers from which the participant will select. A "set of answer categories."
- Response scale The numerical values you MAY assign to the possible responses.
 - o E.g.: Not Very Useful= 1 => Very Useful = 4
- Sample Whom do you want to survey? A nonarbitrary group of people.

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Self-Test Activity 2 p. 3

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Surveys Step-by-Step

- 1. Getting Started
 - a. Clarify purpose(s)
 - b. Assess resources
 - c. Method(s) and mode
 - d. Sampling
- 2. Instrument Design
 - a. Develop/pilot items, response categories
 - b. Training? Practice? Troubleshoot!
- 3. Administration
 - a. Collect and manage data
 - b. Compile, clean, code
- 4. Analysis and Synthesis
- 5. Reporting results

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Getting Started Clarify purpose(s)

- What do you want to learn and why?
 - o "Need to know" vs "neat to know"; useful vs curious
- Why are you using a survey to collect data?
 - Best for peoples' perceptions, interests, opinions, (knowledge), attitudes, characteristics, intentions, experiences . . .
- What is your "population of interest"?
 - o Communication strategies, sub-groups, demographics . . .
- How will you use the findings?
 - o Documentation, decision-making, policy-setting, monitoring . . .
 - Who are your stakeholders and why would they be interested in your findings?

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When would you **NOT** use a survey?

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Getting Started Assess resources

- Internal
 - Budget
 - How much money has been allocated for this project?
 - Staff
 - How many staff are available? Do they have the skills you need?
 - Facilities/equipment/services
 - Do you have computers and the appropriate software? Do you have a photocopier? Do you have enough phones? Will you need transcription and/or translation services?
 - Timing
 - How much time do you have before you need the information? How much time do you have to put into a survey project?

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Assess resources

- External
 - What are you missing? What skills, supplies, knowledge, equipment, or other resources do you need?
 - Can you afford to purchase what you don't have?
 - Think about collaborating with other organizations if appropriate.
 - Shared characteristics and/or knowledge needs

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Method(s) and mode

- Method
 - Quantitative, qualitative, mixed-methods?
- Mode
 - Self- or other-administered
 - In-person
 - Online
- LimeSurvey <u>www.limesurvey.org</u>
- SurveyMonkey <u>www.surveymonkey.org</u>
- Zoomerang www.zoomerang.com
- SurveyGizmo <u>www.surveygizmo.com</u>
- SoGoSurvey <u>www.sogosurvey.com</u>
- ConstantContact <u>www.constancontact.com</u>
- WuFoo <u>www.wufoo.com</u>
- Google forms www.docsgoogle.com
- Surveyz <u>www.surveyz.com</u>; www.qualtrics.com
- Telephone
 - Script and training

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Sampling

The Art and Craft of Sampling

How many will you include? How will you select them?

A SAMPLE IS NOT ARBITRARY

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Sampling

Sampling is used to **cut costs, time, and effort** while still collecting enough information from a **representative sample** of your "population of interest."

- How quickly do you need the data?
- What method(s) and mode(s) are you using?
- What resources do you have?
- How will your findings be used (credibility, confidence)?
- How much do you know about sampling?!

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Sampling

"We want to survey the people who . . ."

- Who has the information you **NEED**?
- Do you need to look at sub-groups?
- Can you find and contact them?
- What data is already available?
- What about response rates?
- Is your sample representative of your target population?

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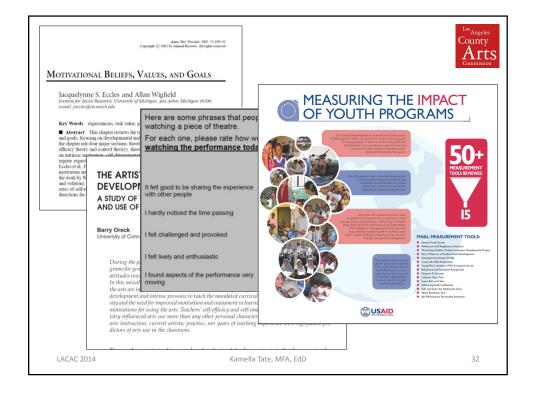
Instrument Design

Is there an existing instrument?!

- Research literature
- Professional articles, reports, publications
- Similar organizations or programs
- The arts and . . .
 - Psychology
 - Education
 - Business/management
 - Healthcare and social sciences

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Supplemental Resources

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Instrument Design Writing items

The credibility, quality, and usefulness of the information collected will depend on how your items are worded.

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Response Formats

- Open-ended items
 - Asked without specific response options.
- Closed-ended items
 - Response categories are provided and interviewers or respondents select an option or fill in a number/ranking.

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Writing items



Open-ended items

What kind of data are you collecting?

- What aspects of the workshop did you find most effective? Least?
 - Respondents create their own answer, in their own words

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- Open-ended items: Why?
 - o Detailed, in-depth, nuanced information
 - Focused on diversity among and/or unique qualities exhibited by individual clients or programs
 - How people experience something
 - Rich descriptions of a program, experience, etc. are very useful for improvement

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Writing items

- Open-ended items: Why not?
 - o Lack of resources, time, knowledge, skills
 - Less reliable, less efficient
 - Interpretation and credibility rests with the researcher

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Writing items Les Angeles County Arts Commission									
Closed-ended items What kind of data are you collecting?									
 Binary/Dichotomous: Did you learn anything unexpected? Yes No 									
 Multiple choice: Which exhibitions did you attend this year? Under the Big Black Sun: California Art 1974-1981 Naked Hollywood: Weegee in Los Angeles The Painting Factory: Abstraction After Warhol 									
 Likert scaled: After participating in Spotlight, I feel more 									
capable of performing well at other auditions.									
Strongly Disagree Agree Agree O O O O O O O O O O O O									
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- Closed-ended items: Why?
 - o Efficient, less time-consuming
 - o Easy to use, score, and enter data
 - Uniform data and response categories increases reliability
 - Summative effectiveness more than improvement

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- Closed-ended items: Why not?
 - Need more respondents power, reliability, credibility
 - o Bias ("leading") difficult to avoid
 - Designing and testing items can be expensive and time-consuming

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Writing (simple) items

No

- Occupants of the household
- Your responses to the questionnaire
- Post-school extracurricular activities
- Workplace-related employment issues
- Geopolitical division

Yes

- People who live there
- Your answers
- What do you do after school?
- Job concerns
- Areas of the country

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Writing (understandable) items

More is . . . more

Do you strongly favor, somewhat favor, somewhat oppose, strongly oppose, or have no opinion on whether advertisers should be required to have advertising aimed at children approved by a national board?

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Writing (understandable) items

Fewer is . . . better

To what extent do you favor or oppose requiring advertisers to have their ads aimed at children approved by a national board?

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Writing (clear) items

Complete sentences. Personal.

Problem Number of years lived in Idaho years

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Better

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Writing (answerable) items

Saying "yes" in order to mean "no"

(It's hard to write negative items!)

Do you favor or oppose not allowing the state to raise taxes without approval by two-thirds of the voters?

- ☐ Favor
- Oppose

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Writing (straightforward) items

Double-barreled items

The performance was well-sequenced and well-paced.

☐ Yes

☐ No

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Tips for Writing Items

Activity Packet p. 4

Some Useful Answer Categories

Activity Packet pp. 4-6

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WORKED EXAMPLE: Music Center On Tour Activity Packet pp. 7-8

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Music Center On Tour School and Community Performances

Goal 1. We will maintain or increase the number of MCOT performances we provide each year (QUANT).

- Objective 1. High levels of participant satisfaction with the program's quality, relevance, and ease of use (QUANT and QUAL).
- Objective 2. Improved content, format, and distribution of Curriculum Connections, our supplemental educator resource (QUANT and QUAL).

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Group Work: Writing Items Activity 3 pp. 9-10

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Instrument Design Stuff for the toolbox

- Begin with a **greeting** and **instructions** (if needed), end with "Thank You" or other **closing**.
- Start with **general** or "easy" items.
- End with more difficult or personal items.
- Demographics typically are placed at the end, but not always.
- Do you want to know if you can follow up with them later? Ask!

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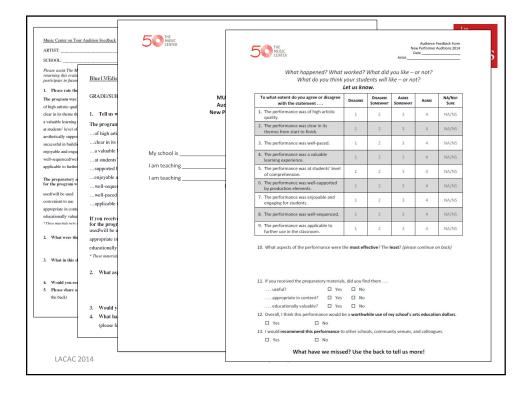
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More Stuff for the Toolbox

Tips for Laying Out Your Survey
Questions to Ask Before Launching Your Survey
Activity Packet pp. 11-13

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Surveys Step-by-Step

- 1. Getting started
 - a. Clarify purpose(s)
 - b. Assess resources
 - c. Select method(s), mode, and sample
- 2. Instrument design
 - a. Develop/pilot items, response categories
 - b. Training? Practice? Troubleshoot!
- 3. Administration
 - a. Collect and manage data
 - b. Compile, clean, code
- 4. Analyze and synthesize the data
- 5. Reporting findings

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Administration Collecting data

Do you need

- To develop a training process?
- A script for in-person or phone surveys?
 - Screener questions for phone surveys?
- To figure out where you'll store all those paper surveys?
- To design tear sheets?
- To learn how to use an online survey app?
- To write cover letters, consent forms, invitation emails?

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Administration Collecting data

Pilot. Discuss. Revise.

Pilot. Discuss. Revise.

Pilot. Discuss. Revise.

Go forth!

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Administration Managing QUANT data

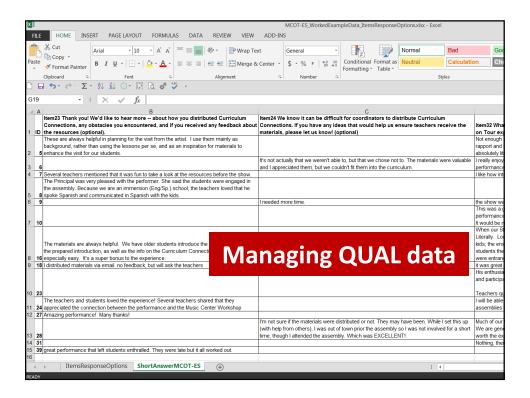
Datasets (also data sets, data tables) are comprised of data points, typically organized into charts or tables in which the cases are listed in Column 1 ("ID") and the variable names are recorded in Row 1 ("Age"). Data are entered in the cells.

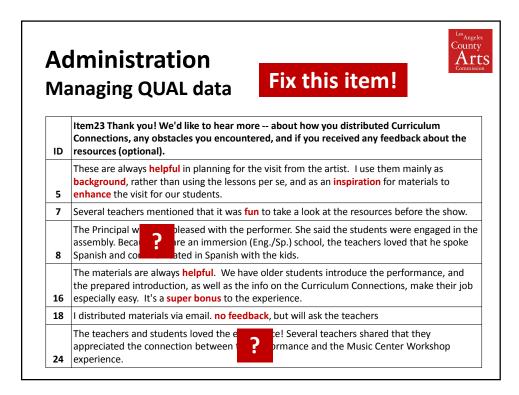
ID	School	AgeApp	Educ	Conver	Relevant	ValArt	Profess	ArrTime	EndTime
5	PS1 Pluralistic School	4	4	4	4	4	4	4	4
6	Viewpoint School	4	4	3	3	4	4	2	2
7	Viewpoint School	4	4	4	3	4	4	4	4
8	Edison Elementary	4	4	4	4	4	4	3	4

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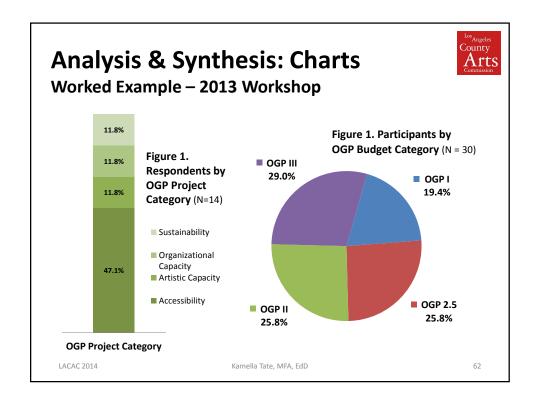




Analysis & Synthesis: Text Worked Example – 2013 Survey Workshop

- Of 14 respondents, eight (47 percent) had received funds to support Accessibility projects. They were joined by two grantees from each of the remaining three categories (Artistic Capacity, Organizational Capacity, and Sustainability).
- Workshop participants (N=30) included representatives from all four OGP budget categories: OGP I (18.8 percent), OGP II (25.0 percent), OGP 2.5 (25.0 percent), and OGP III (28.1 percent).

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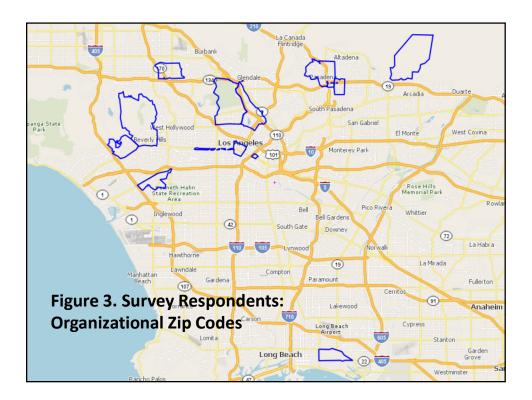


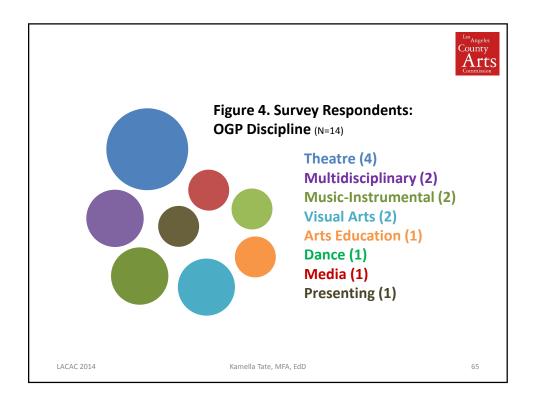


Analysis & Synthesis: Text Worked Example – 2013 Workshop

- Geographically, respondents "home bases" (N = 16) were fairly varied. While mainly located in the middle of the county, an east-to-west spread is noticeable in the reported ZIP Codes.
- Respondents representing eight arts disciplines attended the survey workshop.

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Data Placemats

- Who are we?
- What do we want to **learn**?
- How are we using evaluation?

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