Webinar Handout



ATE Evaluation: Measuring Reaction, Learning, Behavior, and Results

by Jo Ann Balsamo, Krystin Martens, and Lori Wingate



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The recording, slides, and handout for this webinar are available from evalu-ate.org/events/nov_2012/

Kirkpatrick Model for ATE Evaluation

Level	Questions	Typical data sources
0. Reach	To what extent was the intended audience reached and involved? (not part of original Kirkpatrick model)	Internal/organizational records
	NSF's broader impact criterion: "How well does the proposed activity broaden the participation of underrepresented groups (e.g., gender, ethnicity, disability, geographic, etc.)?"	
1. Reaction	To what extent did participants react favorably to activities or products?	Observation, surveys, interviews, focus groups
	Key dimensions of participant reaction include engagement, perceived relevance, and satisfaction.	
2. Learning	To what extent did participants acquire the intended knowledge, skills, attitudes, confidence, and/or commitment?	Survey, knowledge test, demonstration, simulation, role play
	Drivers/facilitators that strengthen the link between Learning and Behavior include reinforcement, rewards, encouragement, and monitoring.	
3. Behavior	To what extent did participants apply what they learned (or adopt intended behaviors)?	Interviews, observation, surveys, third-party feedback, institutional data (if applicable)
	Focus on the critical behaviors that are required to bring about desired results.	
4. Results	To what extent did intended outcomes occur?	Institutional data, employment data, employer feedback
	What is different in advanced technological education—or the workforce—because of this project?	

To learn more about the Kirkpatrick Model for evaluation, visit www.kirkpatrickpartners.com.

Data Quality

High-quality data are valid and *reliable*, as well as *representative* of your target audience. An important means of increasing validity and reliability is to ask good (i.e., clear, concise, and unambiguous) questions. Obtaining a sufficient quantity of data is aided by collecting information from captive audiences, using existing data from trusted sources, and being persistent in obtaining follow-up data. For a straightforward and comprehensive tutorial on developing and administering surveys (probably the most common means for gathering data for evaluation purposes), see www.statpac.com/surveys/index.htm.

Regional Center for Nuclear Education and Training Evaluation Strategy

- 1. Top-down approach involving everyone
- 2. Sell your product
- 3. Get commitment
- 4. Standardize procedures and share best practices

