Evaluation as a tool for assessing the effectiveness of teaching interventions

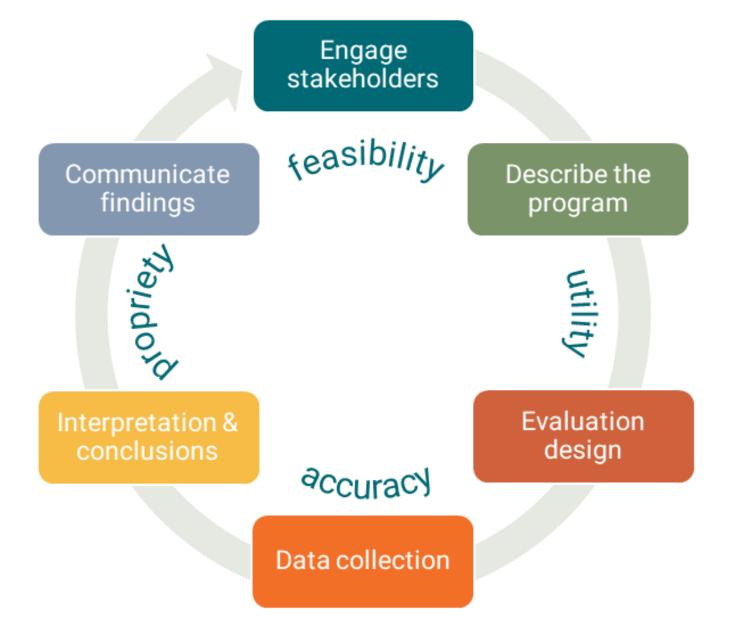
Robin T. Taylor, PhD Principal & Senior Evaluator, RTRES Consulting



Helping STEM programs grow through data-driven evidence

PROGRAM EVALUATION IS:

Systematic process of collecting information about a program to help stakeholders better understand the program, improve its effectiveness, make informed decisions about future programming, and/or demonstrate program impact.



Planning Logic Models

Problem statement.

Goals.

Assumptions.

Beliefs or ideas about the program, the people involved, and how it will work.

Resources.

Resources available or needed for program implementation

Activities.

Key activities or strategies to address the needs

Outputs.

Participation; Statistics; Products; Services Long-term (7-10 yrs).

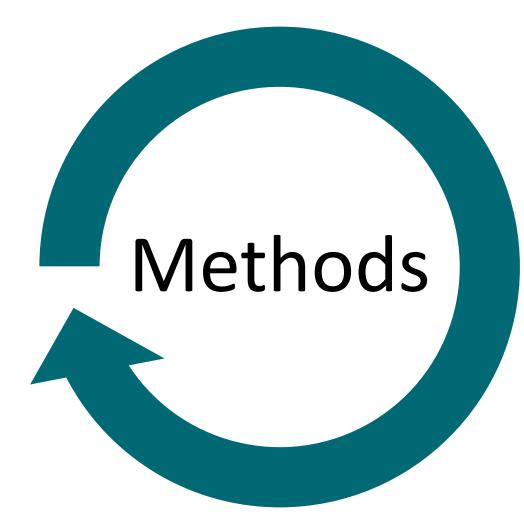
Intermediate (4-6 yrs).

Short-term (1-3 yrs).

Outcomes.

Changes expected to occur as a direct result of program implementation.

(e.g., Knowledge,
Attitudes, Behaviors,
Beliefs, Skills, Status,
Level of functioning)



- Document Review
- Observation
- Survey
- Test
- Interview
- Focus Group

Analyses

Importance of single number

Comparison of 2 or more points

Comparison to a benchmark

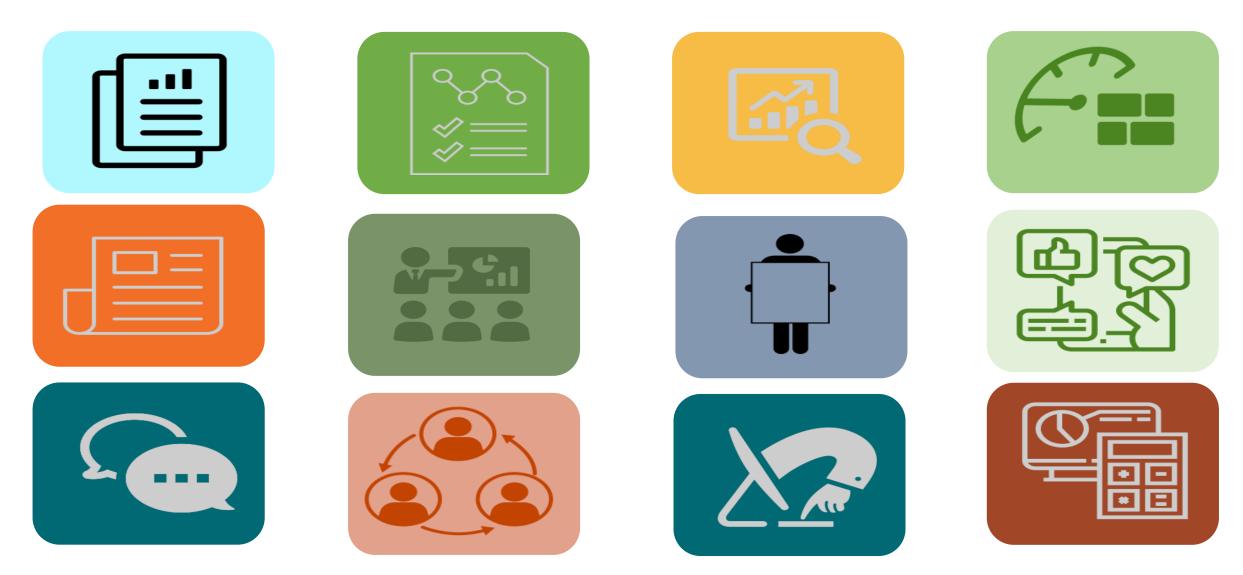
Survey results

Demonstrate parts of a whole

Relationship among 2 or more variables Show changes over time

Provide narrative or emphasize findings







QUESTIONS

robin@rtresconsulting.com