

Data Quality Checklist

Validi	ity				
	External validity : The extent to which an instrument or evaluation can generalized to different contexts, such as other populations or samples.				
	Internal validity : The extent to which the study or instrument measures a construct accurately and is free of alternative explanations.				
Relial	pility				
	Internal consistency : The items in a data source (for example, an assessment) consistently measure the same topic (for example, ratios and proportional reasoning).				
	Inter-rater reliability : Processes, such as training on coding interviews or scoring observations, are in place to ensure that data are collected consistently by multiple raters.				
	Test–retest reliability : Individuals receive the same score if tested twice on the same assessment.				
Timel	iness				
	The data are current and collected within an appropriate time frame. The results of data analysis and interpretation are available when needed.				
Comp	orehensiveness				
	The data include sufficient details or contextual information. The data can be meaningfully interpreted.				
Trust	worthiness				
	The data are free from manipulation or entry error. The data are as free as possible from bias, and known biases are identified. Processes, including training of data collectors, are in place to address potential sources of bias and error.				
Comp	leteness				
	The data are collected from all participants in the sample. The data are sufficient to address all evaluation questions				

☐ The results are generalizable to other contexts (for example, other schools, districts, or

☐ There is a sufficiently small degree of missing data.

state education agencies).



Identified Areas of Concern						

Note. Adapted from "Ensuring Data Quality in Extension Research and Evaluation Studies," by R. Radhakrishna, D. Tobin, M. Brennan, and J. Thomson, 2012, *Journal of Extension*, 50(3) (https://www.joe.org/joe/2012june/tt1.php).

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