

Data Informed Instruction Badge Rubric

<p>DATA INFORMED INSTRUCTION tackles data challenges alone or in teams by effectively accomplishing the following <i>Dimensions</i>:</p>		<p>The DATA INFORMED INSTRUCTION BADGE validates that the earner has demonstrated the skills necessary to resolve data challenges by exercising sound reasoning to manage, analyze, act on, and communicate data. The individual can collect, interpret, and present data in this process. To receive the badge, earners will score at least 16 out of 24 points, with all dimensions rated competent or above.</p>		
		<p>Developing - 1 point</p>	<p>Competent - 2 points</p>	<p>Accomplished - 3 points</p>
<p>Working with Data</p>	<p>Articulating the need for data.</p>	<p>Demonstrates awareness of data by listing some of the options and uses this awareness to identify some of the information needs.</p>	<p>Demonstrates the ability to articulate the need for data.</p>	<p>Demonstrates the ability to articulate the need for data and a problem statement that recognizes and integrates the data to solve complex systemic factors.</p>
	<p>Identifying how to use data for the desired result best.</p>	<p>Outlines possible ways to use data to achieve the end goal.</p>	<p>Differentiates among possible data collection and management options and selects the desired end goal that is coherent and relevant to contextual factors.</p>	<p>Integrates data knowledge, work experience, and relevant data collection and management skills to develop a realistic vision that effectively addresses the problem identified.</p>
<p>Reading Data</p>	<p>Brainstorm creative options for reading data to achieve the desired result.</p>	<p>Identifies possible strategies for achieving the desired goal using data, acknowledging perspectives other than own that are “off the shelf” rather than individually designed to solve the problem with data.</p>	<p>Connects strategies for reading data to achieving the desired goal from more than one field of study and creatively relates to the result.</p>	<p>Demonstrates ability to synthesize multiple data points and integrate them creatively.</p>
	<p>Analyzing and selecting the data that best achieve the desired result.</p>	<p>Uses skills/abilities/theories/strategies gained in a previous situation in a new situation to illustrate alternative ways of solving a problem using data or to contribute to a new understanding of issues related to data.</p>	<p>Adapts and applies more specific and targeted data to skills/abilities/strategies gained in previous situations to a new situation to solve a problem or explore the issue related to the desired goal.</p>	<p>Analyzes and selects data strategies learned in prior situations that best solve a problem or explore an issue in the context of a new situation and in original ways.</p>
<p>Acting on Data</p>	<p>Developing a plan of action that will achieve the desired result.</p>	<p>Constructs models using methodologies from prior situations to address contextual factors of the desired goal/problem.</p>	<p>Interprets/translates action steps from prior situations and organizes data into models that relate to a plan to achieve the desired goal.</p>	<p>Designs a coherent, achievable plan of action that includes steps to address the problem in relation to the data and contextual factors to attain the desired goal.</p>
	<p>Enacting the plan of action and adapting as needed.</p>	<p>Carries out action steps structured to address the problem statement using data but ignores relevant contextual factors.</p>	<p>Implements action steps organized to achieve the desired goal in a manner that addresses the specific contextual factors of the plan using data.</p>	<p>Implements the plan in a manner that connects and adapts action steps (as needed) to address multiple contextual factors in the plan for achieving the desired goal.</p>

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<p>DATA ANALYTICS tackles data challenges alone or in teams by effectively accomplishing the following <i>Dimensions</i>:</p>		<p>The DATA ANALYTICS BADGE validates that the earner has demonstrated the skills necessary to resolve data challenges by exercising sound reasoning to manage, analyze, act on, and communicate data. The individual can collect, interpret, and present data in this process. To receive the badge, earners will score at least 16 out of 24 points, with all dimensions rated competent or above.</p>		
		<p>Developing - 1 point</p>	<p>Competent - 2 points</p>	<p>Accomplished - 3 points</p>
<p>Communicating with Data</p>	<p>Evaluating the data in relation to the desired goals.</p>	<p>Reviews data regarding the desired goal and articulates strengths and challenges in achieving the goal using data.</p>	<p>Evaluate changes in the data process toward achieving the desired goal, recognizing contextual factors with the data that would either impede or contribute to the problem's solution.</p>	<p>Judges the outcomes/results relative to the data and problem statement and uses data to inform an improvement plan toward achieving the envisioned solution for the problem.</p>
	<p>Presenting data in a clear and concise written or visual format.</p>	<p>Reports data with overly general descriptions with some consideration for aesthetics and presents the data in a somewhat clear and understandable format.</p>	<p>Reports data with descriptions considering aesthetics and presenting the data in a clear and understandable format.</p>	<p>Reports data with concise and intuitive descriptions and labels, considering the aesthetics and clarity of information, and decides on the best format to present the data, visual or text-based.</p>

This rubric is adapted from the Problem Solver Badge developed by the [University System of Maryland William E. Kirwan Center for Academic Innovation](https://www.usm.edu/academic-innovation/), which is licensed under a Creative Commons Attribution License [CC BY 4.0](https://creativecommons.org/licenses/by/4.0/).