

# Project 1 Technical Report Rubric

For Use During Project 1 Writing Lab

<b>Citations &amp; Acknowledgments</b>		
<b>Dominates</b>	<b>Proficient</b>	<b>Marginal</b>
All assistance and external sources cited IAW DAAW (2025). 4-5 Pts	Acknowledgment and works cited exist, but with formatting errors. 3-4 Pts	Works cited and/or acknowledgment are incomplete. 0-3 Pts
<b>Writing Style</b>		
<b>Dominates</b>	<b>Proficient</b>	<b>Marginal</b>
Writing has logical flow, cohesiveness, professional tone, and avoids personal pronouns. 4-5 Pts	Mostly clear, but occasional informal tone, or has slight disorganization. 3-4 Pts	Hard to follow, frequent informal tone, or lacks cohesion. 0-3 Pts
<b>Grammar and Mechanics</b>		
<b>Dominates</b>	<b>Proficient</b>	<b>Marginal</b>
No major errors spelling or grammatical errors. 4-5 Pts	A few minor errors, but the errors do not impede understanding. 3-4 Pts	Frequent errors that distract or obscure meaning. 0-3 Pts
<b>Introduction</b>		
<b>Dominates</b>	<b>Proficient</b>	<b>Marginal</b>
Clear and concise restatement of the problem asked of them in the prompt. Uses original phrasing. Establishes clear motivation and relevance of the report. 9-10 Pts	Understandable but wordy or closely resembles the wording in the prompt. Mentions purpose, but provides little context or motivation. 7-8 Pts	Missing, vague, or copied directly from the prompt. 0-6 Pts
<b>Dataset: Dataset Description</b>		
<b>Dominates</b>	<b>Proficient</b>	<b>Marginal</b>
Clearly identifies source, variables, and identifies pertinent variables. 4-5 Pts	Mentions source and variables but lacks detail and clarity. 3-4 Pts	Missing multiple elements or description is incorrect. 0-3 Pts
<b>Dataset: Ethical Considerations</b>		
<b>Dominates</b>	<b>Proficient</b>	<b>Marginal</b>
Identifies and reflects on dataset limitations and ethical considerations (source, reliability, accuracy, cleaning, etc.) 4-5 Pts	Mentions ethical considerations, but discussion is shallow. 3-4 Pts	Incomplete ethical consideration discussion or missing. 0-3 Pts
<b>Methodology</b>		
<b>Dominates</b>	<b>Proficient</b>	<b>Marginal</b>
Provides logical description of modeling decisions: clearly identifies which variables are explanatory and which is response, identifies assumptions, and articulates how k was selected. 18-20 Pts	Provides description of modeling decisions, but justification is unclear or weak. 14-17 Pts	Incomplete description of modeling decisions: no justification is provided, modeling decisions are incorrect, or modeling decisions are not discussed. 0-13 Pts
<b>Results</b>		
<b>Dominates</b>	<b>Proficient</b>	<b>Marginal</b>
Reports an accurate prediction that is consistent with the methodology and description of mathematical work done to solve. Does not provide a step by step procedure, but instead focuses on the concepts used to solve. 9-10 Pts	Covers necessary results, but includes unnecessary narration. Error or mismatch in calculations from what is described in methodology. 7-8 Pts	Fails to provide a prediction, only provides raw calculations, significant errors in calculation or determination, or missing. 0-6 Pts
<b>Results: Tables and Figures</b>		
<b>Dominates</b>	<b>Proficient</b>	<b>Marginal</b>
Tables and figures are correctly labeled, referenced, and support results. 9-10 Pts	Tables and figures are present, but lack references or inconsistently labeled. 7-8 Pts	Tables and figures are incorrectly labeled, fail to support results, or are missing. 0-6 Pts
<b>Discussion</b>		
<b>Dominates</b>	<b>Proficient</b>	<b>Marginal</b>
Provides thoughtful interpretation of solution, connecting it back to question asked. Thoroughly discusses constraints and limitations of analysis, including the sensitivity of the k-value. 23-25 Pts	Correctly interprets solution, but discussion of limitations and constraints are superficial or lack depth. 17-22 Pts	Fails to provide an interpretation of results. Minimal discussion of limitations and constraints of their analysis; fails to discuss the sensitivity of the k-value. 0-16 Pts