

## LO2A: Quantitative Analysis

Traits	Exceeds Expectation	Meets Expectation	Needs Improvement	Below Expectation
	4 pts	3 pts	2 pts	1 pt
<b>Interpretation</b>  Ability to explain information presented in mathematical forms (e.g. equations, graphs, diagrams, tables, words)	Provides accurate, full and complete explanations and implications of information presented in mathematical forms.	Provides accurate explanations of information presented in mathematical forms	Provides some accurate explanations of information presented in mathematical forms, but makes minor errors	Attempts to explain information presented in mathematical forms, but makes major errors
<b>Representation</b>  Ability to convert relevant information into various mathematical forms (e.g. equations, graphs, diagrams, tables, words)	Accurately converts relevant information into mathematical forms, consistently appropriate for the task at hand.	Accurately converts relevant information into mathematical forms, usually appropriate for the task at hand	Converts some relevant information into mathematical forms; may not be appropriate for the task at hand	Does not accurately convert relevant information into appropriate mathematical forms
<b>Application / Analysis</b>  Ability to make judgments and draw appropriate conclusions based on the quantitative analysis of data, while recognizing the limits of this analysis	Engages in a comprehensive process that uses the quantitative analysis of data as the basis for making judgments, drawing accurate conclusions from this work.	Engages in a process that uses the quantitative analysis of data as a basis for making judgments, drawing accurate but incomplete conclusions from the work	Engages in a minimal process that uses the quantitative analysis of data as the basis for making judgments, drawing plausible but inaccurate or incomplete conclusions from the work.	Does not engage in a process to use quantitative analysis of the data as a basis for making judgments; draws no meaningful conclusions from the work
<b>Communication</b>  Expressing quantitative evidence in support of the argument or purpose of the work (in terms of what evidence is used and how it is formatted, presented, and contextualized)	Expression of quantitative information enhances understanding, argument, or purpose of the work	Expression of quantitative information generally enhances understanding, argument or purpose of the work, but may in some instances detract.	Expression of quantitative information does not fully support the understanding, argument or purpose of the work	Expression of quantitative information is missing or fails to support the understanding, argument or purpose of the work