## **Statistical Inferential Reasoning Rubric**

Criteria	Exceeds Standard	Meets Standard	Nearly Meets Standard	Does Not Meet Standard	No Evidence
	4	3	2	1	0
Demonstrate how fundamental elements of statistical knowledge are applied to solve real world problems Explain the sense in	Uses statistical analysis of data as the basis for deep and thoughtful judgments, drawing insightful, carefully qualified conclusions from this work.	Uses statistical analysis of data as the basis for workmanlike (without inspiration or nuance, ordinary) judgments, drawing plausible conclusions from this work	Uses statistical analysis of data as the basis for tentative, basic judgments, although is hesitant or uncertain about drawing conclusions from this work.	Uses statistical analysis of data incorrectly or inappropriately, unable to draw conclusions, or draws incorrect conclusions from this work.	Inadequate/ Incomplete.
which an important source of uncertainty in many everyday decisions is addressed by statistical science	Uses statistical science to appropriately and thoughtfully explain everyday decisions with inherent uncertainty.	Uses statistical science to basically explain everyday decisions with inherent uncertainty.	Uses statistical science to explain everyday decisions with inherent uncertainty but may not be appropriate.	Incorrectly uses statistical science to explain everyday decisions, or explanations may not be coherent.	Inadequate/ Incomplete.
Appraise the efficacy of statistical arguments that are reported for general consumption	Skillfully and thoughtfully evaluates statistical arguments that are reported for general consumption.	Completes evaluation of statistical arguments and is appropriate/accurate.	Presents an argument that is pertinent but does not provide adequate explicit statistical justification.	Presents an argument that is irrelevant or provides an inadequate statistical justification.	Inadequate/ Incomplete.