

Student: _____

Objective: That students gain and demonstrate an ability to design and conduct an empirical (data-based) study, and analyze and interpret data

Performance Criteria

Item	Exemplary 5-6	Acceptable 3-4	Poor 1-2	Score	Comments
Ability to state the real world problem and determine an appropriate data collection plan	Problem is correctly identified with clear objectives and a completely appropriate and potentially informative data collection plan is chosen	Problem statement is generally correct, objectives are basically clear, and an acceptable data collection plan is chosen	Problem is not correctly stated and/or the data collection plan has no real relevance to solving the problem		
Ability to appropriately carry out the data collection	The chosen data collection plan is appropriately executed	The chosen data collection plan is executed appropriately, with some exceptions	There are major flaws in the execution of the chosen data collection plan		
Ability to appropriately analyze and interpret the results of the study	Appropriate statistical analyses are done and sound real world interpretations are made	Data are appropriately analyzed and interpreted, with some minor exceptions	There are major errors in statistical analyses and/or the interpretation of those, or the interpretations offered have no practical meaning		
Total					