

CH.10 INFERENCE PROJECT – RUBRIC

Ch.10 Inference Project	4 = Complete	3 = Substantial	2 = Developing	1 = Minimal
Introduction	<ul style="list-style-type: none"> Describes the context of the research Has a clearly stated question of interest Provides a hypothesis about the answer to the question of interest Question of interest is of appropriate difficulty 	<ul style="list-style-type: none"> Introduces the context of the research and has a specific question of interest Suggests hypothesis OR has appropriate difficulty 	<ul style="list-style-type: none"> Introduces the context of the research and has a specific question of interest OR has question of interest and a hypothesis 	<ul style="list-style-type: none"> Briefly describes the context of the research
Data Collection	<ul style="list-style-type: none"> Method of data collection is clearly described Includes appropriate randomization Describes efforts to reduce bias, variability, confounding Quantity of data collected is appropriate 	<ul style="list-style-type: none"> Method of data collection is clearly described Some effort is made to incorporate principles of good data collection Quantity of data collected is appropriate 	<ul style="list-style-type: none"> Method of data collection is described Some effort is made to incorporate principles of good data collection 	<ul style="list-style-type: none"> Some evidence of data collection
Graphs and Summary Statistics	<ul style="list-style-type: none"> Raw data is included in a two-way table (categorical) or in lists (quantitative) Appropriate graphs are included Graphs are neat, easy to compare, and clearly labeled, including clear identification of treatments Appropriate summary statistics are included in discussion (e.g., percentages for categorical data, means for quantitative data) 	<ul style="list-style-type: none"> Appropriate graphs are included Graphs are neat, clearly labeled, and easy to compare Appropriate summary statistics or raw data are included 	<ul style="list-style-type: none"> Graphs and summary statistics are included 	<ul style="list-style-type: none"> Graphs or summary statistics are included
Analysis & Conclusions	<ul style="list-style-type: none"> Uses the results of the study to correctly answer question of interest Discusses what inferences are appropriate based on study design Shows good evidence of critical reflection (discusses possible errors, limitations, etc.) 	<ul style="list-style-type: none"> Makes a correct conclusion Discusses what inferences are appropriate or shows good evidence of critical reflection 	<ul style="list-style-type: none"> Makes a partially correct conclusion Shows some evidence of critical reflection 	<ul style="list-style-type: none"> Makes a conclusion
Reflections	<ul style="list-style-type: none"> Discusses possible errors, limitations, and offers suggestions for improvement 	<ul style="list-style-type: none"> Discusses only 2 of these: possible errors, limitations, and suggestions for improvement 	<ul style="list-style-type: none"> Discusses only 1 of these: possible errors, limitations, and suggestions for improvement 	<ul style="list-style-type: none"> Doesn't include reflections
Presentation & Communication	<ul style="list-style-type: none"> Has a clear, holistic understanding of the project Report is well organized, neat, and easy to read Report included pictures of data collection in progress and is visually appealing 	<ul style="list-style-type: none"> Has a clear, holistic understanding of the project, but report is unorganized, lacks visual appeal, or oral presentation is not organized 	<ul style="list-style-type: none"> The report and oral presentation have several problems 	<ul style="list-style-type: none"> Communication and organization are poor

* Note: It is possible to receive a score of 0 in any of these categories.