

Chapter 13 Investigation	Complete (20 points)	Substantial (15 points)	Developing (10 points)	Minimal (5 points)	Total points
Introduction and Data Collection	<ul style="list-style-type: none"> ✓ Clearly defines explanatory and response variables ✓ Includes hypothesis about direction ✓ Specifically describes how the data was collected, including how randomization was incorporated. 	<ul style="list-style-type: none"> ✓ Describes how the data was collected and includes 2 of the following: defines variables, discusses direction or discusses randomization 	<ul style="list-style-type: none"> ✓ Describes how the data was collected and includes 1 of the following: defines variables, discusses direction or discusses randomization 	<ul style="list-style-type: none"> ✓ Briefly describes how the data was collected. 	
Data and Scatterplot	<ul style="list-style-type: none"> ✓ Includes a table with raw data, in the order attempts were taken. ✓ Scatterplot is well-labeled and well-done ✓ Scatterplot includes outcomes of each attempt 	<ul style="list-style-type: none"> ✓ Includes table with raw data and scatterplot with outcomes of each attempt, but the scatterplot is not well-labeled or the table is not in order attempts were taken 	<ul style="list-style-type: none"> ✓ Includes a well-labeled scatterplot, but has no table of raw data or includes both the table and scatterplots but there are several problems 	<ul style="list-style-type: none"> ✓ Includes a table of the raw data or a scatterplot with the outcomes of each attempt 	
Model and Predictions	<ul style="list-style-type: none"> ✓ Correctly calculates logistic model ✓ Correctly calculates 2 predicted values ✓ Shows work ✓ Correctly interprets 2 predicted values 	<ul style="list-style-type: none"> ✓ Correctly calculates logistic model and predicted values and attempts interpretations but doesn't show work or has other small errors. 	<ul style="list-style-type: none"> ✓ Calculates a logistic model and predicted values, but has no interpretations or interpretations are incorrect. 	<ul style="list-style-type: none"> ✓ Includes a logistic model 	
Graph of Model	<ul style="list-style-type: none"> ✓ Includes a table with at least 6 predicted values ✓ Includes accurate sketch of logistic model on scatterplot ✓ Correctly describes direction of association, including reference to equation of logistic model ✓ Discusses how well the model fits the data 	<ul style="list-style-type: none"> ✓ Includes table and accurate sketch of logistic model on scatterplot, but doesn't discuss direction or doesn't discuss fit. 	<ul style="list-style-type: none"> ✓ Includes table and sketch of logistic model 	<ul style="list-style-type: none"> ✓ Includes sketch of logistic model 	
Overall Presentation/ Communication	<ul style="list-style-type: none"> ✓ Clear, holistic picture of the investigation as a two-step process (e.g. includes preliminary and final conclusions) ✓ Investigation is well organized, neat and easy to read ✓ Ideas are well communicated, including appropriate transitions between sections. ✓ Discusses possible limitations or errors 	<ul style="list-style-type: none"> ✓ Investigation is organized, easy to read, and includes appropriate transitions between sections, but doesn't discuss possible limitations or errors 	<ul style="list-style-type: none"> ✓ Investigation is somewhat organized, but has several major problems 	<ul style="list-style-type: none"> ✓ Communication and organization are poor 	