

Chapter 10 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"> ✓ Describes the context of the research including why a particular season and variable were chosen ✓ Has clearly stated questions of interest ✓ Specifically describes how the data was collected ✓ Includes a table with the performances for all 10 athletes for each year of their careers 	<ul style="list-style-type: none"> ✓ Has a question of interest, but doesn't include context of research, source of data, or raw data in a table. 	<ul style="list-style-type: none"> ✓ Has a question of interest but there are several errors or omissions. 	<ul style="list-style-type: none"> ✓ Has a question of interest 	
Individual Time plot	<ul style="list-style-type: none"> ✓ Chooses one athlete as the focus of the investigation, including explanation for choice ✓ Time plot is well done and includes appropriate labels and scales ✓ Trends in time plots are clearly described 	<ul style="list-style-type: none"> ✓ Makes a correct time plot for a single athlete, but plot isn't well labeled or the trends are not well described 	<ul style="list-style-type: none"> ✓ Makes a correct time plot for a single athlete, but plot isn't well labeled and isn't well described 	<ul style="list-style-type: none"> ✓ Includes a time plot for an individual athlete 	
Average Time Plot	<ul style="list-style-type: none"> ✓ Includes table showing average performances for remaining 9 athletes ✓ Time plot is well done and includes appropriate labels and scales ✓ Trends in time plot are clearly described 	<ul style="list-style-type: none"> ✓ Makes a correct time plot for the average performance of the remaining athletes, but table is missing, some calculations are incorrect, or plot isn't well labeled or well described 	<ul style="list-style-type: none"> ✓ Makes a correct time plot for the average performance of the remaining athletes, but there are several errors or omissions 	<ul style="list-style-type: none"> ✓ Includes a time plot for the average performance of remaining athletes 	
Comparative Time Plot	<ul style="list-style-type: none"> ✓ Comparative time plot is well done and includes appropriate labels and scales ✓ Similarities and differences are discussed Includes plausible explanations for differences between the time plots 	<ul style="list-style-type: none"> ✓ Makes a correct comparative time plot, but doesn't adequately compare plots, describe plausible explanations for differences, or have appropriate labels 	<ul style="list-style-type: none"> ✓ Makes a correct comparative time plot, but there are several errors or omissions 	<ul style="list-style-type: none"> ✓ Includes a comparative time plot for the individual athlete and remaining athletes 	
Overall Presentation/ Communication	<ul style="list-style-type: none"> ✓ Investigation is well organized, neat and easy to read ✓ Ideas are well communicated, including appropriate transitions between sections. ✓ Investigation is focused on answering the question of interest 	<ul style="list-style-type: none"> ✓ Investigation is organized and easy to read, but lacks appropriate transitions, clear communication, or a focus on the question of interest 	<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 very poor 	