

Zoology 1125 Data Nuggets Rubric

Student Name:

Score:

This analytic rubric is used to evaluate the work completed in each category of the Data Nuggets assignment. No points are awarded if the task is not completed. The point values awarded will reflect how successfully each portion of the assignment was completed based on the criteria for each category. In all categories, work should follow all directions and answers should be well thought out and comprehensive.

Category	Scoring Criteria	Points	Professor Evaluation
Pre-Lab Reading & Questions	Student has completed the pre-lab reading provided and has answered the questions provided. Answers are typed and reflect the individual thoughts if the student.	5	
Data Calculations	Student has completed the calculations of the data provided in the Data Nugget. All calculations have been completed correctly and are presented in a typed format in the provided data sheet.	5	
Graph	A graph of the calculated data has been created using Excel and has been pasted into the provided document.	1	
	Independent and dependent variables are represented on the correct axis and are appropriately labeled (including units if applicable).	1	
	Axis scales are appropriate for the data represented.	1	
	Graph has an appropriate title.	1	
	Trend line or error bars are included if applicable.	1	
Interpretation of Data	Student has made a claim based on the data/graph and has referenced evidence for such claim. Student has done a thorough job in fully explaining their reasoning for the claim in reference to the data as well as the background reading. Minimum 1 paragraph – typed.	7.5	
	Student has adequately addressed whether the data supports the scientist’s hypothesis and provided explanation as to why or why not. Minimum 1 paragraph - typed	5	
Next Steps	Student has developed a well thought out question and research idea to further investigate the overall concept of temperature sex determination in the species discussed. This question and idea can address any area within the scope of the current information that would lead to a better understanding of the causes or effects of changes in species sex distributions. Minimum 1 paragraph - typed	7.5	
Grammar/Formatting	All grammar is correct, including spelling, sentence structure, and formal language. Scientific names are properly formatted. All materials have been typed and presented in the document as directed.	5	
Score	Total Points	40	