

# Rubric for Math 251 Project Presentation

Slope of a secant lines for a data set compared to the derivative of a regression of the data set

9 pts. total	Excellent (A) 3	Proficient (B) 2	Limited (C) 1	Not Proficient 0
Introduction 25%	Clear description of the topic and data including units/scale. How it was chosen and a clear and compelling description of why it was chosen.	Clear description of the topic perhaps without units or without a clear description of why it was chosen 2	Incomplete or unclear description of the topic or incomplete or unclear description of why it was chosen.	No description of the topic and no description of why it was chosen.
Presentation of Data 25%	Data is presented in table and graphic form following the Writing Guidelines including appropriate scales/column headings, units and fig. reference notation. Slope of secant line correctly found for at least one point.	Data is presented in table or graphic form mostly following the Writing Guidelines, but perhaps fails to include appropriate scale/ column headings or units or fig. reference notation, etc. Slope of secant line correctly found for at least one point.	Data is presented in table or graphic form but does not following the Writing Guidelines well. Or, the slope of a secant line is incorrectly found for at least one point.	Data is not presented in table nor graphic form. Slope(s) of secant line(s) not correctly found.
Regression 25%	Several regressions of the data were correctly performed and are presented. Logical and complete reasons for best choice are given including long- and short-run behavior and limitations.	Regression(s) of the data were correctly performed and are presented. Logical and complete reasons for best choice are given including long- and short-run behavior and limitations.	At least one regression of the data is presented. illogical and/or incomplete reasons for best choice are given and/or long-run short-run behavior are not addressed.	Unclear and/or inaccurate explanation of the regression. Or no regression done.
Conclusion 25%	Results of data and regression calculations correctly interpreted. Shortcoming of the method are addressed and limitations of choices discussed.	Results of data and regression calculations interpreted perhaps not entirely correctly. Shortcoming and limitations of choices and calculations minimally discussed.	Results largely not interpreted correctly. Shortcoming and limitations of choices and calculations minimally discussed.	Results not interpreted correctly or shortcoming and limitations of choices and calculations not discussed.
Grade Calculated (Max is 95% plus up to 5pts for Wow! Points) using the following formula: $50 + 3.75 * (\text{Intro} + \text{Data} + \text{Domain} + \text{Incresaing}) + \text{WowPoints}$				