

Data/Graphing Scoring Guide

Grade earned	A	B	C	D
Due Date	Handed in on 2/07/11	Handed in on 2/8/11	Handed in by 2/11/11	Handed in by 3/10/11
Presentation	Basic pre-sketch of all graph(s) included. Data table and Graphs(s) handed into box with rubric. Spreadsheet(s) and graph(s) on separate sheets or handed in electronically.	Basic pre-sketch of all graph(s) included. Data table and Graphs(s) handed into box with rubric. Spreadsheet(s) and graph(s) on separate sheets or handed in electronically.	Basic pre-sketch of all graph(s) included. Data table and Graphs(s) handed into box with rubric. Spreadsheet(s) and graph(s) on separate sheets or handed in electronically.	Data table and Graphs(s) handed into box or handed in electronically.
Pre-Sketch Graph(s)	Includes pre-sketch graph(s) with a note about the type of analysis that will be performed on the graph signed by either your teacher or mentor.	Includes pre-sketch graph(s) with a note about the type of analysis that will be performed on the graph signed by either your teacher or mentor.	Includes pre-sketch graph(s) with a note about the type of analysis that will be performed on the graph signed by either your teacher or mentor.	
Spreadsheet 	All data is accurately entered into a computer spreadsheet (excel) and printed as table(s) with appropriate labels, units, and title. Variables are properly identified and labeled.	All data is accurately entered into a computer spreadsheet and printed as table(s) with appropriate labels, units, and title. Variables are properly identified and labeled.	All data is accurately entered into a computer spreadsheet and printed as table(s) with appropriate labels, units, and title. Variables are properly identified and labeled.	Data is neatly written in table form. Independent and Dependent variables are properly identified and labeled.
Graph Choice	Choice of graph (bar, double-bar, box-whisker, scatter-plot, etc...) is appropriate for displaying data.	Choice of graph (bar, double-bar, box-whisker, scatter-plot, etc...) is appropriate for displaying data.	Choice of graph (bar, double-bar, box-whisker, scatter-plot, etc...) is appropriate for displaying data.	Graph displays data.
Trend lines	Trend lines are correctly included ONLY when appropriate.	Trend lines are correctly included ONLY when appropriate.	Trend lines are correctly included ONLY when appropriate.	No trend line is given.
Graph Presentation	ON COMPUTER** - Range of graph appropriate to data and of uniform scale. Each axis includes appropriate labels and units . Graph includes proper title. Legends ONLY if needed.	ON COMPUTER** Range of graph appropriate to data and of uniform scale. Each axis includes appropriate labels and units . Graph includes proper title. Legends ONLY if needed	ON COMPUTER**. Range of graph appropriate to data and of uniform scale. Each axis includes appropriate labels and units . Graph includes proper title.	Handwritten. Range of graph appropriate to data and of uniform scale. Each axis includes appropriate labels and units . Graph includes proper title.
Scales	Graph includes proper scales for both axis.	Graph includes proper scales for both axis.	Graph includes proper scales for both axis.	Graph includes proper scales for both axis.
Analysis 	Includes a claim as to statistical calculation of confidence for all discrete comparisons (t-test or ANOVA) If you are not confident in your conclusion, an explanation is included. * R^2 value for linear trend lines. All non linear relationships must be approved by your teacher or mentor within two days of the due date. This includes the conclusion of no relationship.	Includes a claim as to statistical calculation of confidence for all discrete comparisons (t-test or ANOVA) If you are not confident in your conclusion, an explanation is included. * R^2 value for linear trend lines. All non linear relationships must be approved by your teacher or mentor within two days of the due date. This includes the conclusion of no relationship.	Includes a claim as to statistical calculation of confidence for all discrete comparisons (t-test or ANOVA) If you are not confident in your conclusion, an explanation is included. * R^2 value for linear trend lines. All non linear relationships must be approved by your teacher or mentor within two days of the due date. This includes the conclusion of no relationship.	No statistical analysis

Name: _____

Data/Graphing Scoring Guide

Overall Presentation	Graph(s) centered .. Text is centered and spelled correctly. Paper is neatly typed; double-spaced ; 12-point “block-style” font (such as Times, New York, or Chicago), black ink only . Full name appears in upper right-hand corner.	Graph(s) centered . Text is centered and spelled correctly. Paper is neatly typed; double-spaced ; 12-point “block-style” font (such as Times, New York, or Chicago), black ink only . Full name appears in upper right-hand corner.	Extremely neat. Name appears in upper right-hand corner.	Name appears.
-----------------------------	--	---	--	---------------

*NOTE: **Any Graph type, program type, and statistical analysis preferred by a mentor is acceptable, providing the mentor has signed the statement below:*

The signature below is ONLY necessary if the student works directly with the mentor or other statistically knowledgeable person to complete their graphs and statistical analysis.

I agree with the spreadsheet(s), graph(s), and statistical analysis completed by the student: _____ (mentor signature – ONLY for mentor assisted graphing and analysis)