***AP STATS PROJECT 2: Bivariate Data (Scatter Plots and Regressions)***

***GRADING RUBRIC:***

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| ***Part 1: Data Collection***  *Data is collected in a reasonable manner on an appropriate topic.* | *5%* |
| **PART 2:**  All aspects of your project are clearly and thoroughly presented. Your writing is clear and free of spelling and grammatical errors.  **INTRODUCTION:** (1 paragraph) Explain what question you are examining and why you are interested in that particular question. Provide any relevant background information that you think could be relevant to a reader and things that could “hook” the reader into why your question is relevant. Also include your hypothesis. What did you expect to find before conducting the study? (20pts)  **METHOD:** Explain briefly how (or from where) you collected your data.  NOTE: Your intro and method should address the Who? What? Why? Where? When? How? By Whom? (20 pts)    **RESULTS:** Display graphs (scatter plot with regression line and of your findings and residual plot) and any numerical summaries that you conducted (mean and standard deviation for each variable). Be sure to label graphs. You don’t need to interpret your results in this section as you will do so in your conclusion. (20 pts)  **CONCLUSION:** Write an analysis of your findings. What can you say about the data that you collected? What stood out to you? Were there any problems in the way that you collected the data? What are the implications of your findings? Use your regression line to extrapolate or interpolate a value of the explanatory variable of your choosing (20 pts) | *80%* |
| ***WRITING:*** *Your writing is clear, concise, and easy to understand. Your writing is professional and scientific.* | *10%* |
| ***Creativity/Informative:*** *Your project is interesting to read and you highlight important details that might be interesting to a reader. Your project is clear and one can easily walk away with some key insights after reading your project for 5 minutes.* | *5%* |

OVEARALL SCORE: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Additional Comments:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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