

Grading Rubric for Statistics 104 Project
Data Collection and Analysis

Group Members: _____

1) Project set up and Data Collection	
a. 7 pts Variables and Hypothesis – Did you indicate who you were collecting data on? Have you identified the explanatory and response variables? Did you indicate what type of variable each is? Did you give a hypothesis for the relationship between explanatory and response variable?	
b. 8 pts Data collection –Did you do a sampling study or an experiment? Did you describe how you used randomization, i.e. random selection in a sampling study or random assignment in an experiment? Did you have at least 40 observations?	
Total: _____ out of 15 points	

2) Analysis of Data	
a. 5 pts Distribution of the response variable. Did you look at the distribution of the response variable independent of the explanatory variable? Did you describe this distribution and note any important features?	
b. 5 pts Did you include a graphical display of the response variable and the explanatory variable? Did you correctly describe this graphical display? Did you note any important or unusual features, e.g. outliers, patterns?	

<p>c. 10 pt Did you include values of summary statistics appropriate for your data? Did you correctly interpret the summary statistics within the context of the problem?</p>	
	<p>Total: _____ out of 20 points</p>

<p>3) Conclusions – 5 pts. Did you discuss what your analysis indicates about your hypothesis about the relationship between the response and the explanatory variable? Did you have the correct conclusion about your hypothesis given your data analysis?</p>	
	<p>Total: _____ out of 5 points</p>

<p>4) Clarity – 5 pts. Is your report clear and concise? Did you include sections in your report? Did you include appropriate JMP output within the body of the text? Did you exclude JMP output that was not necessary?</p>	
	<p>Total: _____ out of 5 points</p>

<p>5) Following Guidelines – 5 pts. Did you follow the guidelines in the project description? Was your topic selection turned in on time? Was a detailed description of your data collection turned in on time? Was your data turned in on time? Was your project turned in on time?</p>	
	<p>Total: _____ out of 5 points</p>

Total Project Score: _____ out of **50** points