

Name:

Topic:

Statistics Project Instructions – Grading

Grading Criteria	Max	Points
3) REPORT. Include each part in the order given here:	[90]	
A cover sheet with title (posed as a question), name, and date.	5	
A brief abstract of your report including the question of interest, the reason for the study, and why it is interesting.	5	
Your null and alternative hypotheses clearly stated.	10	
A discussion on how you designed the experiment/study. Explanation of the use of controls. Explanation of the use of randomization. Explanation of how the experiment/study can be repeated.	10	
A description of how you carried-out your experiment/study. Include graphics, pictures, and even a video if it's appropriate.	10	
Good data summaries and a commentary. Examples: means, medians, standard deviations, 5-number summaries.	10	
Graphs of your data and commentary on what they show. Examples: box-plots, scatter plots, dot plots, histograms and/or pie charts.	10	
A description of the statistical test you used to test your hypothesis and the reason(s) for choosing the test you chose. Show all calculations and results of simulations and find a p -value and/or a confidence interval. Interpret the results.	10	
A conclusion about your hypothesis using simple understandable language.	10	
A description of things that went wrong and any suggestions on what you would have done differently. Ideas for possible further studies.	5	
Appendix: All the data you gathered displayed in a table	5	
4) OVERALL PROCESS	[60]	
Quality of work and attention to detail	20	
Persistence in making things work if there are set-backs	10	
Consistent progress to meet the deadline.	10	
Independence.	10	
Originality.	10	
5) EFFORT	[40]	
Total Parts 3 to 5. (Parts 1 and 2 are already graded: paragraph and proposal)	190	