

AP Statistics Group Project - Final Assessment

Team Names: _____

Due Date: 1/2B June 5th (You have 7 classes for this project, so manage your time)

2017 Gummy Bear Grading Rubric

ALL DOCUMENTS MUST BE COMPUTER GENERATED

	Who did this part (initials)?	Points
Project Worksheet	(20) _____	_____
<ul style="list-style-type: none">This worksheet is a Preliminary Design for your Experiment. Your Group must complete this Worksheet in GoogleDoc's and have it <u>approved prior to launching</u>. See my website for instructions on the GoogleDoc.		
Catapult	(10) _____	_____
<ul style="list-style-type: none">Your team must demonstrate your catapult and explain your procedure to Ms. Groves and have <u>approved prior to launching</u> (or you will have to relaunch).		
Cover	(10) _____	_____
<ul style="list-style-type: none">Must be in color and include picture of your design/launch. Be creative.		
Raw data	(5) _____	_____
<ul style="list-style-type: none">In a well-organized table including treatments, assigned random number for each experimental unit, response variable and <u>note any outliers</u>.		
Summary Statistics	(7) _____	_____
<ul style="list-style-type: none">In a well-organized table including mean, standard deviation, n, 5-number summary, IQR, and note any outliers.		
Graphs	(8) _____	_____
<ul style="list-style-type: none">Two for each treatment (box plot and histogram)		

Written Report

Introduction	(10) _____	_____
<ul style="list-style-type: none"><u>Written in paragraph form</u> summarize (in English) your confidence interval and test of hypothesis.Summary of experiment - identify experimental units, factors, treatments, key components of your experimental design, and identify all inference tests you do in your analysis.		
Inference Analysis	(20) _____	_____
<ul style="list-style-type: none"><u>Written in paragraph form</u> summarize (in English) your confidence interval and test of hypothesis.		
Interpretation of results	(14) _____	_____
<ul style="list-style-type: none"><u>Written in paragraph form</u> to summarize the results of your experiment to someone without a statistical background.		
Reflections on Experiment	(6) _____	_____
<ul style="list-style-type: none"><u>Written in paragraph form</u>		

Project Grade: _____

Individual's grades	Partner 1:	Partner 2:	Partner 3:
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