

# Statistics: Project 1 Part 1

## **Introduction:**

Please include an intro to what your project is going to be about. Also include any questions and/or things you know about the topic already (might need to research this part online, see sample project for more clarification).

## **Method:**

Please include how you plan on conducting your project. The method section of your project should be broken down into these subsections:

- **Participants:** How many people are you going to sample and how are you going to sample those people (aka what random sampling technique are you going to use)
- **Instruments:** What tools are you going to use to get the data from your sample? For example, if you are going to use a survey, what questions are going to be on your survey.
- **Data Analysis:** What math tools are you going to use to interpret your data?

## **Results:**

In this section of your project you should report to me as many results you gathered from your data. Share with me statistics, such as averages, Box and Whisker Charts, histograms, etc. You do not have to interpret any of these things yet.

## **Conclusion/Discussion:**

In this section of your project you should now take your results and interpret them. Try to use your results to give some conclusion(s) to your topic of study. The Discussion part of your essay should include issues/concern that came up during your project. Was there outliers in your data? Did you have a weird sample issue?

## **\*FURTHER REQUIREMENTS\***

- Your sample should be at least 30 people
- Your data should include at least one data point that's qualitative and one data point that's quantitative
- Your qualitative data should be turned into charts and percentages
- Your quantitative data should have the mean, median, standard deviation, box and whiskers chart, and histogram completed

## **PROPOSAL:**

- Research a topic for your project
- Submit a proposal that discusses what you are trying to research and the question(s) you are going to be trying to figure out.
- Outline how you are going to gather your data and how you will sample your population
- Should roughly be a ½ page in length

## RUBRIC

	3pts	2pts	1pt
Intro	Your introduction includes your topic and thoroughly explains what your project is about. Questions you would like to answer are discussed.	Your introduction includes your topic and you briefly explain what your project is about. The reader might still have questions about what your project is about. Questions you would like to answer are discussed.	You do not include questions you would like your study to answer. The reader is very confused as to what your project is about.
Method	You clearly outline the participants, instruments, and data analysis tools of your study.	You partially outline the participants, instruments, and data analysis tools of your study. The reader might have some questions about one of the part though.	You are missing one of the parts of either the participants, instruments, or data analysis tools of your study. The reader has many unanswered questions about the method of your study.
Results	You have included thorough results from both your qualitative and quantitative data.	You have included results, however you are missing results from either your qualitative or quantitative data.	You are missing most of the results that you should be including.
Conclusion/Discussion	A thorough conclusion is written so that the reader has an answer to all of the questions asked in the introduction. You also include a discussion of all of the possible issues of your study.	Your conclusion answers most of the questions from your introduction. You do not discuss any possible issues that might have arisen during your study.	You do not answer the questions of your introduction and include any discussion of what might have adversely effected your study.
Professionalism	Your study is very professional meaning: no spelling/grammar errors. Graphs/charts are done on a computer.	Your study is semi-professional meaning: there is some spelling and grammar issues.	Your study lacks professionalism meaning: you have several spelling/grammar issues. Graphs/Charts are done by hand.