

STATISTICS & PROBABILITY

**SURVEY
PROJECT**

CCSS 7.SP

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Hi Everyone!

In the zip file that you downloaded, you will find three copies of the Statistics & Probability Project:

- Rough Draft (Paper Copy)**
- Final Draft (Paper Copy)**
- Google Doc Copy**

The first two are the copies that I have used in previous years of teaching and the Google Doc is the one that I have been using this year. My school site has gone 1:1 with Chromebooks, so our Statistics Project became digital this year.

With the paper copies, I gave my students the rough draft copy to gather their information and organize their project. They were given the final draft near the end of the project, in which they pretty much just copied the information over.

With the digital copy, I created this as a Google Doc and shared it with my students. The students completed their entire project on the Google Classroom and I taught them how to insert images into the project through Google Sheets.

I have left all of these in Microsoft Word so that you may edit, if needed.

Enjoy!

ROUGH DRAFT
(PAPER VERSION)

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Name: _____

Statistics Project Data & Rough Draft

Part 1: The Data & The Question

What is your question? (Make sure that the question gives answers that will be in numerical value.)

How will you ensure that your survey remains unbiased?

Circle the type of sampling method you will be using:

Simple Random

Stratified

Cluster

Systematic

Convenience

Why did you decide to use this type of sampling method?

Describe your sampling method process. How will you be gathering your data? Who will you be asking? Where will you be asking these questions?

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Survey 50 people on the given question. Write in the information and have them initial next to their answer.

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Name: _____

Part 2: Organizing the Data into Graphs

In the project, you will be required to create the following graphs to organize your data:

Frequency Table

Histogram

Circle Graph

Stem and Leaf Plot

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Name: _____

Part 4: Organizing the Data by Using Mean, Median, Mode, and Range

In the project, you will be required to calculate the mean, median, mode, and range of the data set.

Mean

Median

Mode

Range

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Name: _____

Part 6: Summary

In more than eight sentences, summarize the project and what you discovered. Make sure that you summarize the entire project and state what you were able to prove based upon your research and graphs.

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FINAL DRAFT
(PAPER VERSION)

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By _____

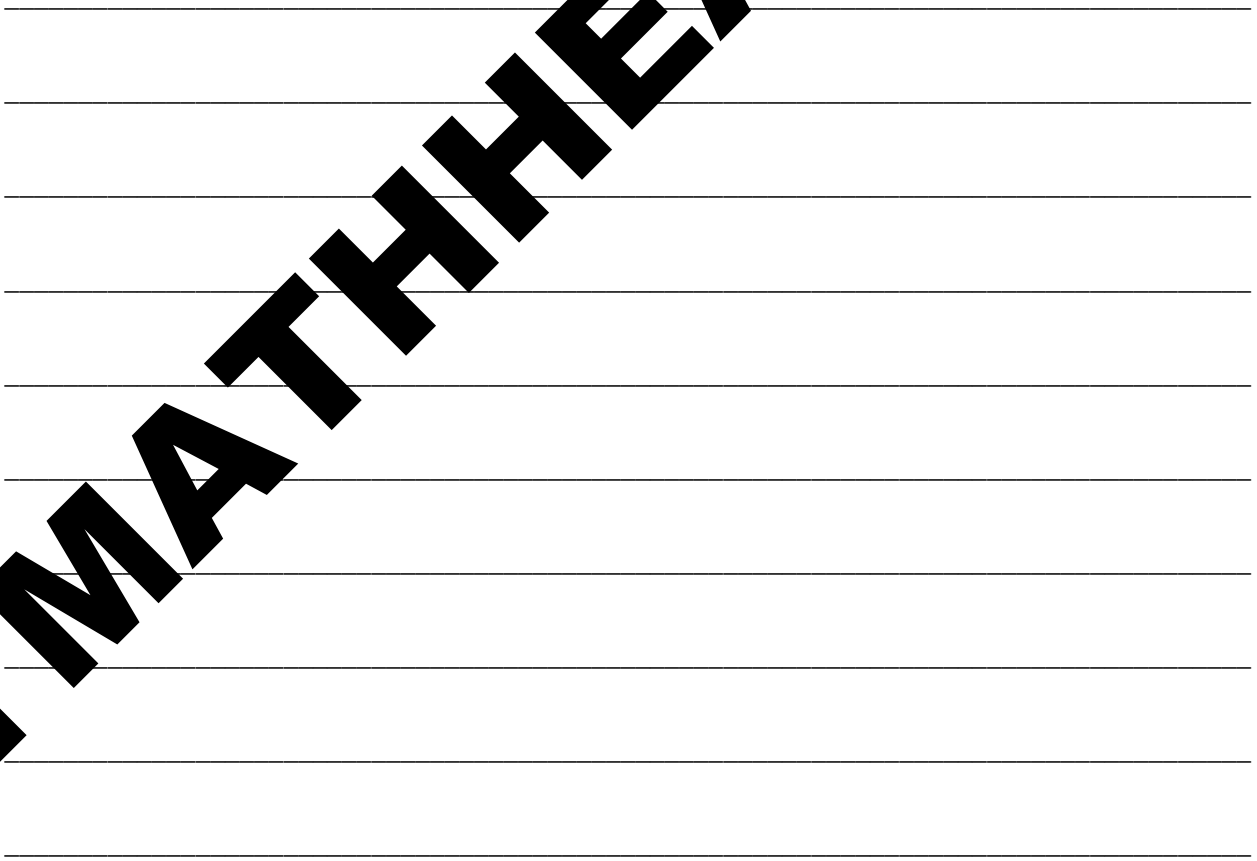
Introduction

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The Data

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Mean, Median, Mode, and Range

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Summary

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GOOGLE VERSION

(DIGITAL COPY)

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Statistics & Probability Project

by: [Insert Name]

Part 1: The Question & Process

The Question The question must give answers that have a numerical value.
[Insert Question]
The Population What is the population for the setting of your question?
[Insert Question]
The Sample What is the sample for the setting of your question?
[Insert Question]
Biased or Unbiased How will you ensure that your survey remains unbiased?
[Insert Answer]
Type of Sampling What type of sampling will you be using? Why?
[Insert Answer]
The Sampling Process Describe your sampling process. How will you be gathering your data? Who will you be asking? Where will you be asking these questions?
[Insert Answer]
The Theoretical Outcome What do you expect to discover from this survey? What do you predict the outcome will be?
[Insert Question]

Part 2: The Data

The Data
Survey 50 people on the given question. Input the data in the box below in order from least to greatest.

Part 3: Organizing the Data

Organize the Data
Organize the data you received in Part 2 to create a frequency table, a bar chart, a pie chart, and a line chart.
To create the charts, you must use the “Chart” add-on and input your data from Part 2 into a Google Spreadsheet.

Frequency Table

Intervals	Tally Marks	Frequency

Bar Chart

Pie Chart

Line Chart

Part 4: Analyzing and Interpreting the Data

Analyzing & Interpreting the Data

In more than eight sentences, analyze and interpret the graphs. What do you notice about these graphs? What does it tell you about your question?

[Insert Answer]

Part 5: Mean, Median, Mode, & Range

Mean, Median, Mode, & Range

Find the mean, median, mode, and range. Describe what this data tells you about your question.

Mean: [Insert Answer]

Median: [Insert Answer]

Mode: [Insert Answer]

Range: [Insert Answer]

Part 6: Probability

Probability			
Find the probability of each interval occurring, based upon your frequency table from Part 3.			
Interval	Tally	Frequency	Probability

Part 7: Summary

Summary
Write a three paragraph essay summarizing your Statistics & Probability Project.
Paragraph 1: Introduction <ul style="list-style-type: none">● Include information from Part 1 & 2.
Paragraph 2: Main Body <ul style="list-style-type: none">● Include information from Part 3.
Paragraph 3: Conclusion <ul style="list-style-type: none">● What did you learn about your investigation?● What did you learn from this project?
Each paragraph should be a minimum of 5 sentences.
[Insert Answer]