

Lesson #24: Stats Project

SP4: Develop and implement a project plan for the collection, display and analysis of data by:

- **formulating a question for investigation**
- **choosing a data collection method that includes**
- **social considerations**
- **selecting a population or a sample**
- **collecting the data**
- **displaying the collected data in an appropriate manner**
- **drawing conclusions to answer the question.**

On page 65 of your notebook, answer the following questions THAT YOU WILL NEED TO EMAIL ME UPON COMPLETION. 😊 This is our last Stats and Probability lesson.

Part 1:

1. Create a question that you would like to research. Keep in mind the problems that we discussed: language, privacy, confidentiality, cultural sensitivity, timing, cost, ethics, and bias. (If you are stuck for an idea, consider something about online learning or COVID-19. Remember to be clear in your language. You also do not want to influence your subjects by word choice. Ex. Do you “like” online learning? Like infers that they do.
2. What is your purpose for choosing that question? Why is that data important?
3. Tell me how you will collect your data? Ask people orally? Hand out a paper survey? SurveyMonkey? Etc.
4. Will you be polling a sample or a population? Why. Explain your choice.
5. If you chose a sample, how did you choose that specific sample?
6. How do you plan on displaying or reporting your findings/data?
7. What will you do with the data after you have it collected and analyzed?
8. How do you plan on respecting privacy laws and confidentiality?
9. If life were different, we would complete the project by posing our question and gathering our data. Unfortunately, we cannot do that in person, only virtually (unless you ask the people in your household and in that case the sample size is too small). People are busy enough working from home and doing schoolwork online that we do not want to add more to their plates.

Part 2:

Find a piece of data on the internet from a reliable source. (It could be related to your question above or not). Tell me what you chose, why it is a reliable source and what you learned from that data. (School appropriate please). Remember to email me your answers.