



Statistics Project
Due Tuesday, December 18

For this project you will survey students throughout the building to collect data. You will use your survey results to create a visual representation of the survey data. Finally, you will use the graphs to interpret and analyze the data.

Part 1: Choose one of the following questions:

1. How many siblings do you have?
2. How many pets do you have?
3. How many televisions do you have in your home?
4. What is the size of your shoe(round up to the next whole size if you wear a 1/2 size)?

Once you have chosen a question, ask 30 students from our school that question. Record the responses when you ask students. Follow the outline for the final project to organize these requirements.

- Organize your results in a frequency table.
- Use your frequency table to create a dot plot representation for your data.
- Use the information you collected to find the mean, median and mode.
- Finally, you will need to interpret the data by writing at least three statements about your data.

Part 2: Choose one of the following questions:

1. What is your height in inches?
2. How many pages are in the book you are currently reading?
3. How many contacts do you have stored in your phone?
4. How many canned goods do you have in your home?
5. How many light switches are in your home?

Once you have chosen a question, ask 30 students from our school that question. Record the responses when you ask students. Follow the outline for the final project to organize these requirements.

- Organize your results in a frequency table.
- Use your frequency table to create a histogram.
- You need to decide what data intervals you should use for the histogram.
- Use the histogram to tell what the mode is.
- Finally you will need to interpret you data by writing at least three statements about your data.