



Lesson #21: Mean, Median, Minimum, and Maximum.

Overview

In this lesson students use the data they have collected and contextual data sets to do statistical analysis with mean, median, minimum, and maximum, and display information with a variety of plots for use in the final project.

Lesson Summary

- Discussion and Responses
 - Video Tutorial
 - Collaboration – Statistical analysis of data
 - Check for Understanding
1. Online discussion
 - What is the difference between the mean and median and how do you find each (as taught in your math class)?
 - What meant by maximum and minimum in regards to your data. Give examples of each.
 - Be sure to respond to at least two posts from your peers.
 2. Video Tutorial
 - Watch the video given by the link.
 - Formatting cells to make computations in Google Sheets.
 - Take notes with use of a graphic organizer on of concepts relevant to this lesson.
 3. Collaboration
 - Work in groups to analyze the data they have collected pulling the additional contextual data sets.
 - Use concepts learned in the video tutorial analyze their data.
 4. Circulate the room to answer questions and as an opportunity for a visual check for understanding.

CS Content

Computations of statistical values such as mean and median are performed using formulas in Google Sheets.

Objectives

Students will be able to:

- Analyze the data they have collected using statistical analysis and a variety of plots

Materials and Prep

- Online Discussion Forum
- Statistical Analysis Graphic Organizer.
- Computer and projector/Smart Board
- Sample Data on Google Sheets or MS Excel.

Resources

Student Documents

- Responses to online discussion forum.
- Statistical Analysis Graphic Organizer.
- Student collected compiled on Google Sheets.

Video

- <https://www.youtube.com/watch?v=VrUnhFPy8r4>

Assessments

- Completing of video examples with graphic organizer.
- Visual CFU during collaboration.