

7th Grade Math Statistical Analysis Project

We have been studying various tools used for collecting, organizing, and analyzing data. These tools include:

Frequency Tables
Line Plots
Stem and Leaf Plots
Box and Whisker Plots
Bar Graphs
Histograms
Measures of Central Tendency

This project will involve using Internet resources on the school laptops and several class periods to organize data using statistical tools. Additional time at home may be required to prepare a cover and assemble the pages. The final product will consist of:

1. **Cover with title** (be creative!)
2. **1 page** showing data used and its source
3. **7 separate pages** (1 for each statistical tool listed above)
The page for measures of central tendency will include mean, median and mode.
Each page will be titled with the type of statistical tool and should show any steps taken to prepare that tool.
For example, the 4th page of your project will be titled: Box and Whisker Plot. It will include a box and whisker plot of your data as well as a list of information used to generate the plot such as interquartile range, lower extreme, upper extreme, etc.
4. Finally, **each page must include an analysis statement** describing what that statistical tool tells you about your specific data.

This project will be counted as a test grade instead of having a chapter test. The projects will be graded as follows:

Cover	8 pts	8
Data page	8 pts	8
Statistical tools	12 pts each	84
		100