

Lesson C2: Statistical Project Data Analysis and Representation



Warm Up

Discuss with your group the prompts on the slide.



Collect Data & Find the Measure of Center and Variation

- 1) Record your data from your group's envelope here.



- 2) Calculate each (show your work below or on a separate piece of paper).

Mean: _____

Median: _____

Mode: _____

Highest Value: _____

Lowest Value: _____

Range: _____

Frequency Table



To create a Frequency table, you will need:

- 1) Provide a title for your Frequency Table
- 2) Label the columns with the intervals on the left and tallies to the right
- 3) Enter your data on this Frequency Table

Data Representation



Discuss with your group which display (a dot plot or a histogram) is the best way to represent your data. See the guiding questions on the slides.



Justify why you selected a dot-plot or a histogram to be the most appropriate way to display your results.

Once you have decided, go to page 10 to construct a dot plot or page 11 to construct a histogram.

Dot Plot

In the space below you will construct a Dot Plot, consider the following requirements:

- 1) Provide a title for your Dot Plot
- 2) Clearly label the axis
- 3) Make a table key
- 4) Ensure all data is included in your display



Histogram



Construct a histogram in the space below, be sure to:

- 1) Provide a title for your Histogram
- 2) Clearly label both axes
- 3) Label the scale and the intervals
- 4) Include all data points in the Histogram

Presentations



Write down at least one question for each presenting group.