

# 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:	

## Statistical Project Data Analysis and Representation



## 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	Freq	uency	Tabl	е
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#### **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.

# Statistical Project Data Analysis and Representation

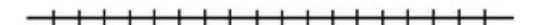


#### **Dot Plot**



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



# Statistical Project Data Analysis and Representation

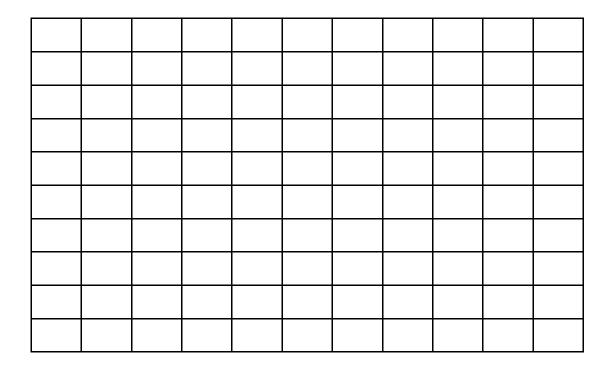


# Histogram



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.