

Names: _____

Date: _____

Probability & Statistics: **2.1 – 2.2 Practice Worksheet**

Mod: _____

PART 1: Directions: When constructing these frequency distributions, calculate the width and begin with the lowest data value in the set. Be sure to follow the rules for a frequency distribution.

1. The number of total vetoes exercised by the past 20 Presidents is listed below. Use the data to construct a grouped frequency distribution and a cumulative frequency distribution with 5 classes. What is challenging about this set of data?

44 39 37 21 31 170 44 635 30 78
 42 6 250 43 10 82 50 181 66 37

Grouped Frequency Distribution:

Class Limits	Tally	Frequency

Cumulative Frequency Distribution:

Class Boundaries	Cumulative Frequency

2. The data show the NFL team payrolls (in millions of dollars) for a specific year. Construct a relative frequency distribution (including the midpoints & boundaries) for the payroll using 7 classes.

99 105 106 102 102 93 109 106 77 91 103 118 97 100
 107 103 94 109 100 98 84 92 98 110 94 104 98 123
 102 99 100 107

Class Limits	Boundaries	Midpoints	Tally	Frequency	Relative Frequency

Turn over ...

PART 2: Directions: Please complete graphs on graph paper neatly, using a straight edge. Be sure to label the axes and the scale.

3. Use your frequency distribution from #1 (President Vetoes) to construction a Histogram and an Ogive. Describe the shape of the Histogram. Explain.

4. Use your frequency distribution from #2 (NFL Payrolls) to construction a Frequency Polygon. Comment on the shape of the Frequency Polygon. Explain.