Intro to Statistics Classwork/Homework Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

More Graphs

Warm-up: what type of graph might you use to represent the number of times different schools have won a specific sports championship?

1. Construct a frequency distribution for the data below. Then use that to build the Pareto chart and vertical bar graph.



1. Use the data below, of Presidents’ Ages at Inauguration, to build (a) a frequency distribution with 7 classes; (b) a histogram; (c) an ogive; and (d) another graph appropriate to these data. NB: Data are in chronological order going down each column. Since this table was constructed, three further presidents have served full or partial terms. Their ages at inauguration were: 54, 47, and 70.

You should not construct a stem and leaf plot.



**How-to: Bar Graph**



**Pareto Chart**



**Time Series**



**Pie Chart**

