

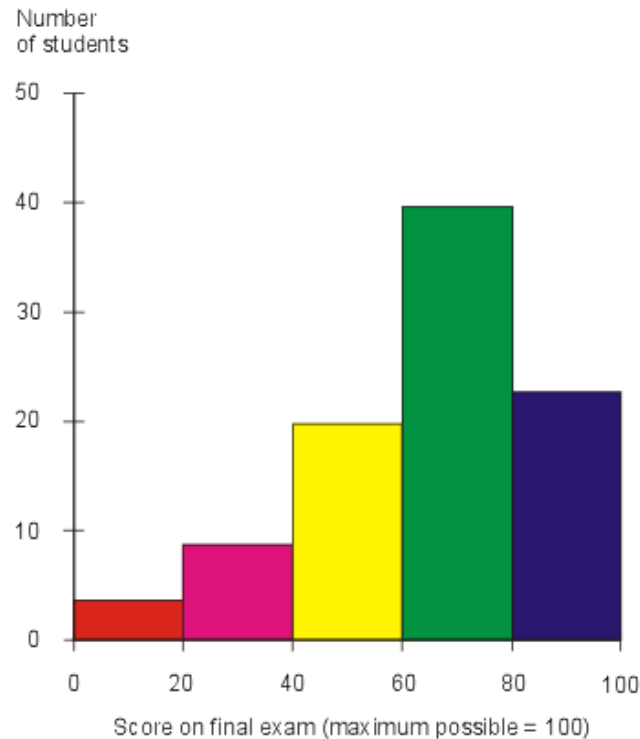
Histograms

9/26/13

What is a Histogram??

It is a graph that displays information from a frequency table. One bar for each interval that contains data values.

EX:



What is a Frequency Table?

Mark	Tally	Frequency
4		2
5		2
6		4
7		5
8		4
9		2
10		1

This chart tells how many times that particular score was shown. This class was able to shoot at a target this tells you how many times that number was hit.

How do I make a Frequency Table

Must Collect Data

Use the data to create an interval, unless it is already done for you. Interval is already done for you.

Class interval	Tally	Frequency
0 - 39		1
40 - 79		5
80 - 119		12
120 - 159		8
160 - 199		4
200 - 239		1
	Sum =	31

Make Your Own FREQUENCY TABLE

25, 19, 23, 29, 34, 26, 30, 40, 33, 20, 35, 35, 25,
29, 36, 22, 31

Frequency Table

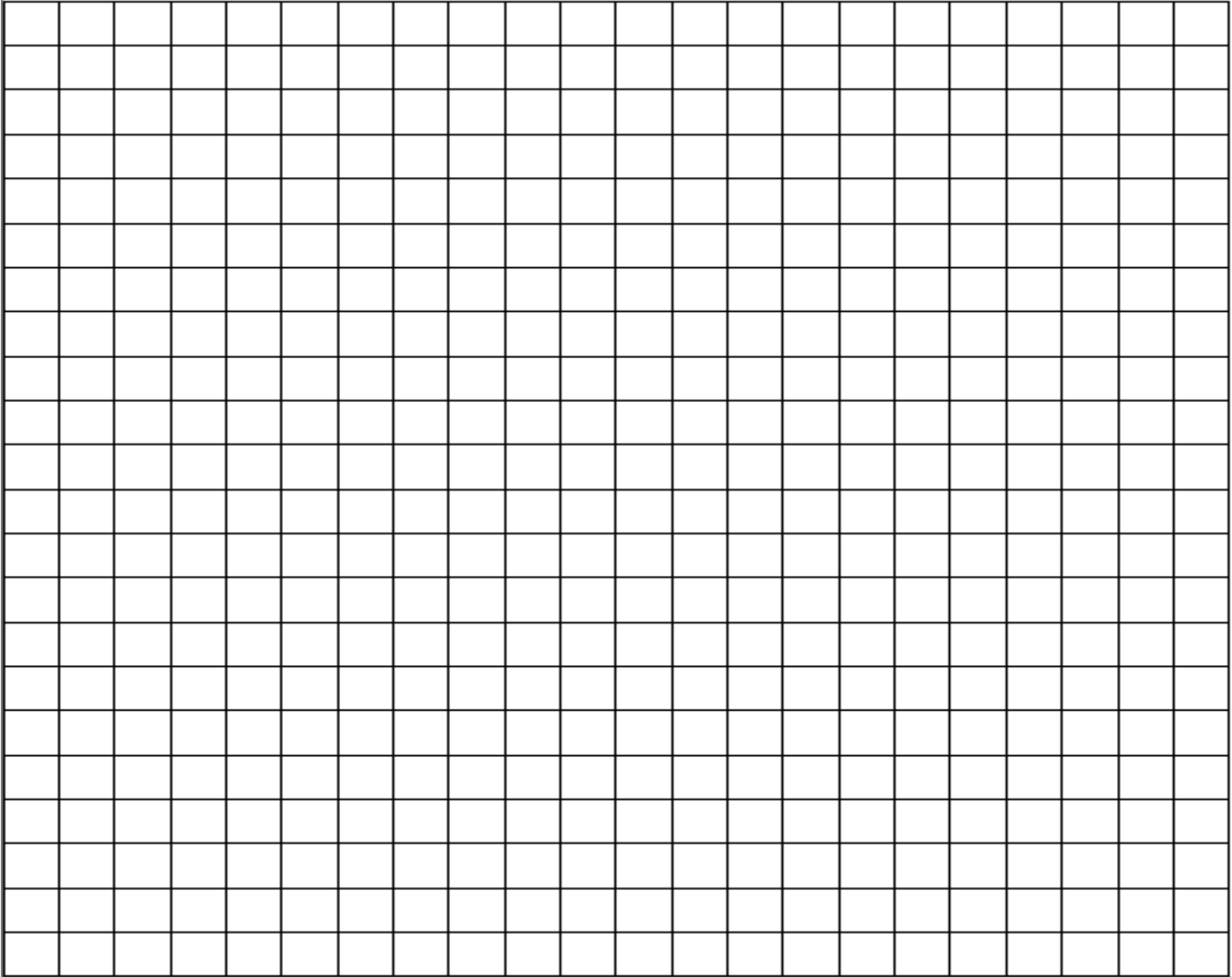
Making Your Own Interval

Put the numbers in order from least to greatest
or look for the greatest number and then the
least

EX: 19 and 40

Start with 19 and make sure the intervals go to
40

Interval	Tally	Frequency



REVIEW

WHERE IS THE X AXIS?

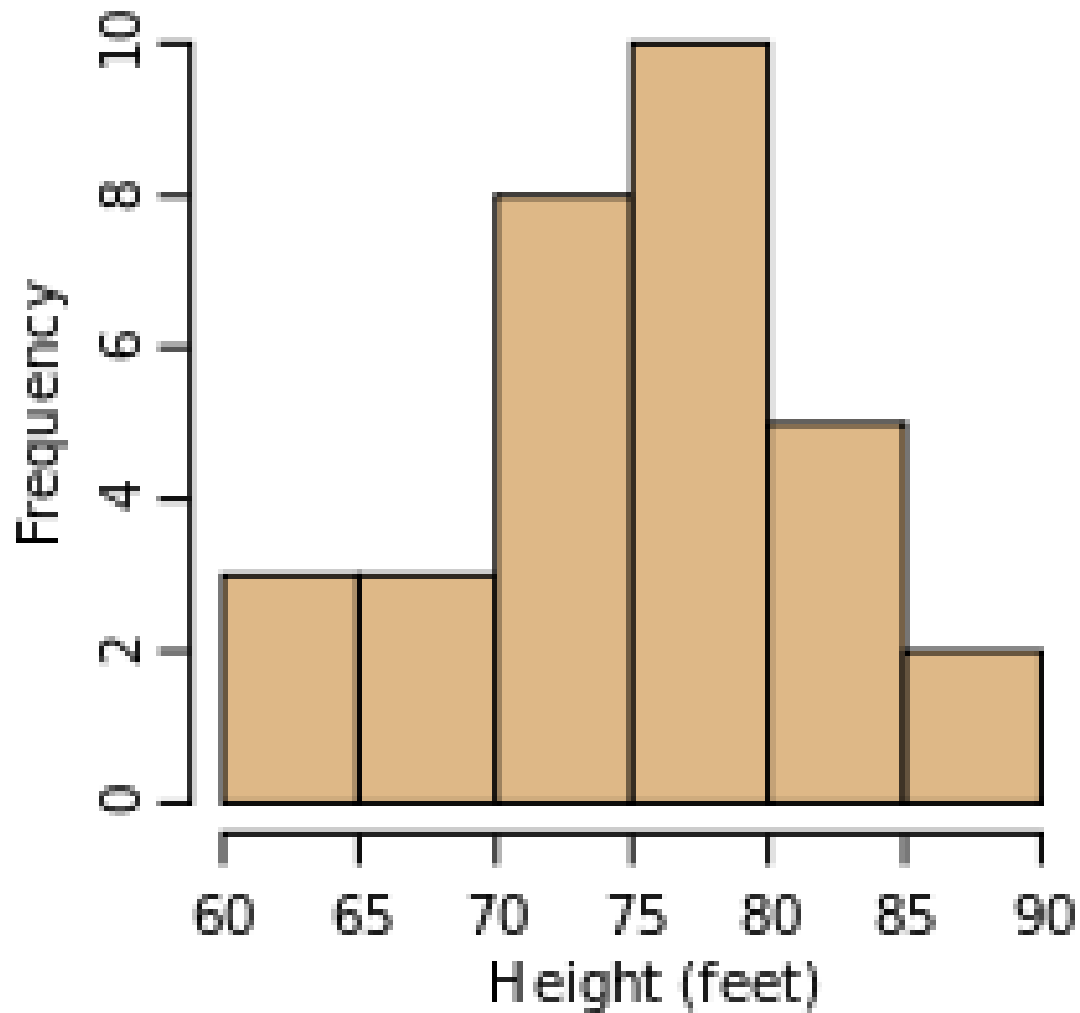
WHERE IS THE Y AXIS?

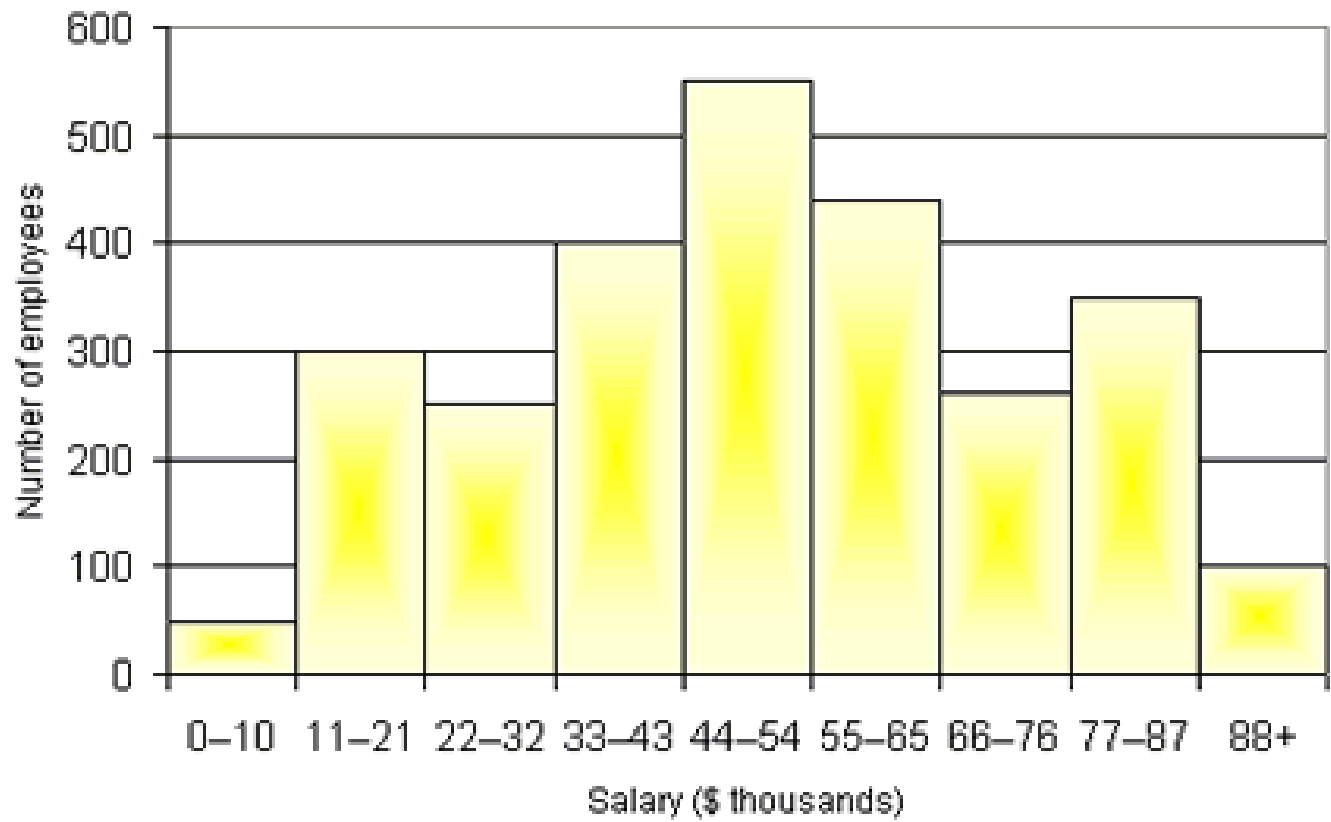
WHAT GOES ON THE X AXIS?

INTERVALS

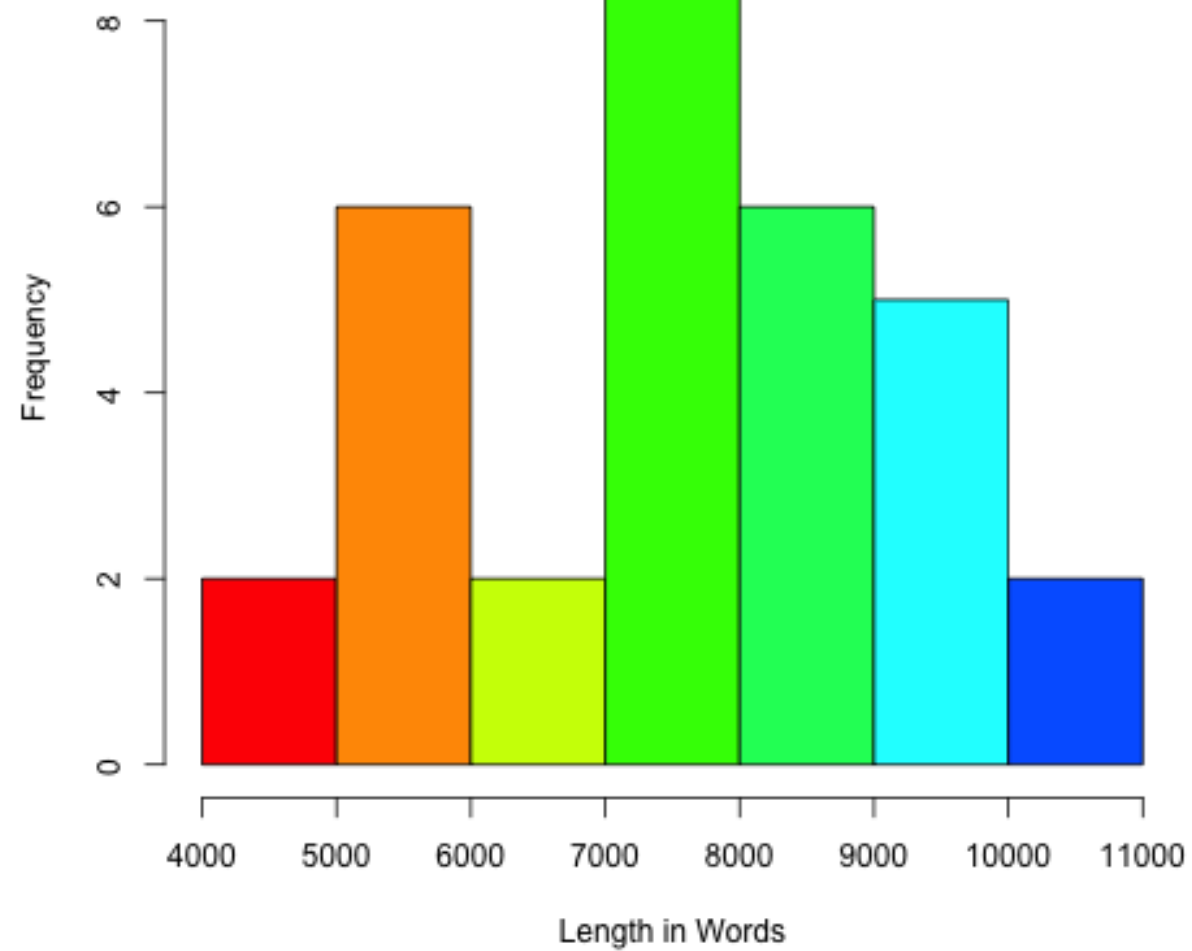
- WHAT IS THE MOST IMPORTANT THING TO REMEMBER WHEN MAKING THE INTERVALS?

Heights of Black Cherry Trees





Length of Greek Tragedies in Words



Choosing the Best Interval Day 4

130, 125, 121, 143, 108, 101, 116, 125, 133, 135

- a. 102 – 111 , 112 – 121, 122 – 131, 132 – 141
- b. 101 – 105 , 105 -109 , 109 – 113 , 113 – 117
- c. 100 – 115 , 116 – 124, 125 – 134 , 134- 144
- d. 100 – 110, 111 – 121 , 122- 132, 133 – 143