HW #2

• Same Scale

#1. 1.

min.	max.	classes #
3	11	5

$$\frac{\text{max} - \text{min}}{\text{class \#}} = \text{width}$$

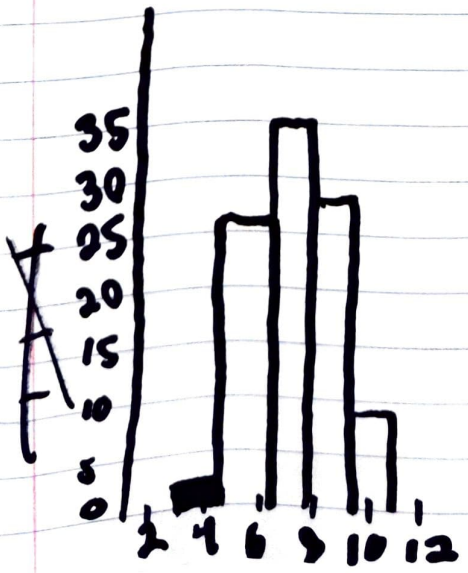
$$\frac{11-3}{5} = 1.6 \leftarrow \text{(C.W.)}$$

C.W. = 1.6

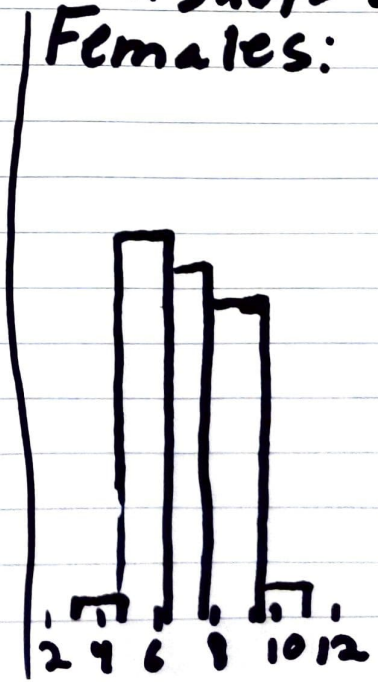
Start = 3

2. I used geogebra for graphing
-screenshots attached.

3. Males:



Females:



4. The similarities are that both boys and girls have a very small number that get 3-4.6 hours of sleep and 9.4-11 hours of sleep.

The major difference is that a larger number of girls get 4.6-6.2 hours of sleep than guys. There also appears to be a significantly greater number of guys who get 9.4-11 hours of sleep than girls.

I have never thought about it.

#2

- Use same scale

1. $\frac{\text{min}}{0}$ $\frac{\text{max}}{80}$ $\frac{\#\text{ of classes}}{7}$

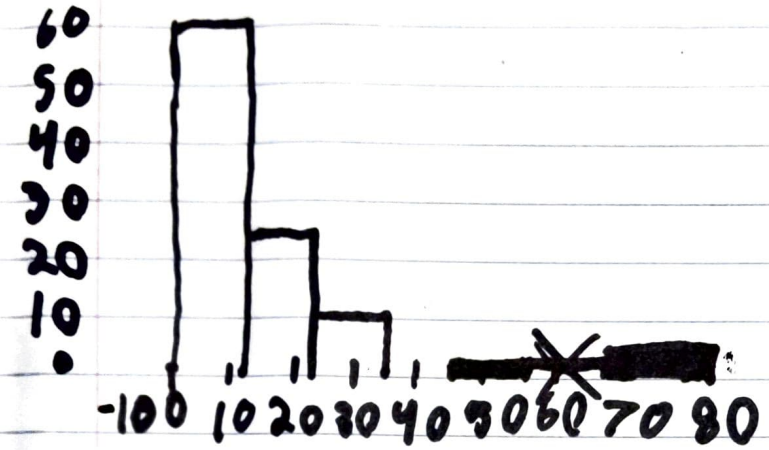
$$\frac{80-0}{7} = 11.43$$

C.W. = 11.43

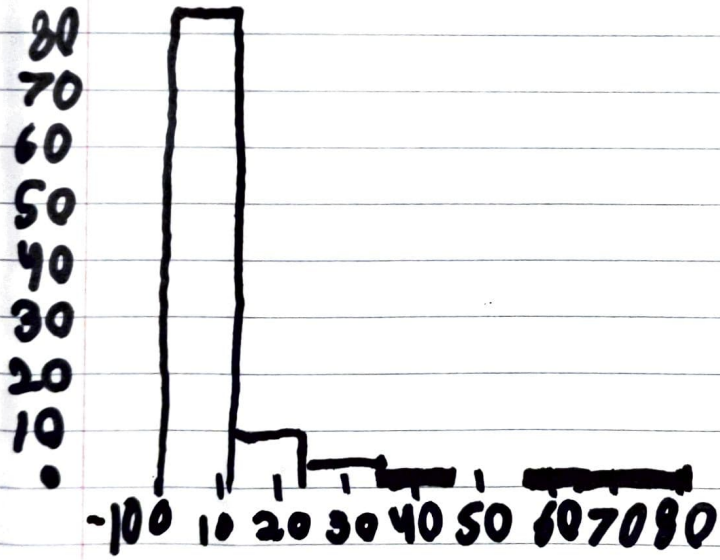
Start = 0

2. Geogebra

3. Males:



females:



4. There appears to be a lot more females in the 0-10 43 hr range.

Never think about groups.

· Use same scale

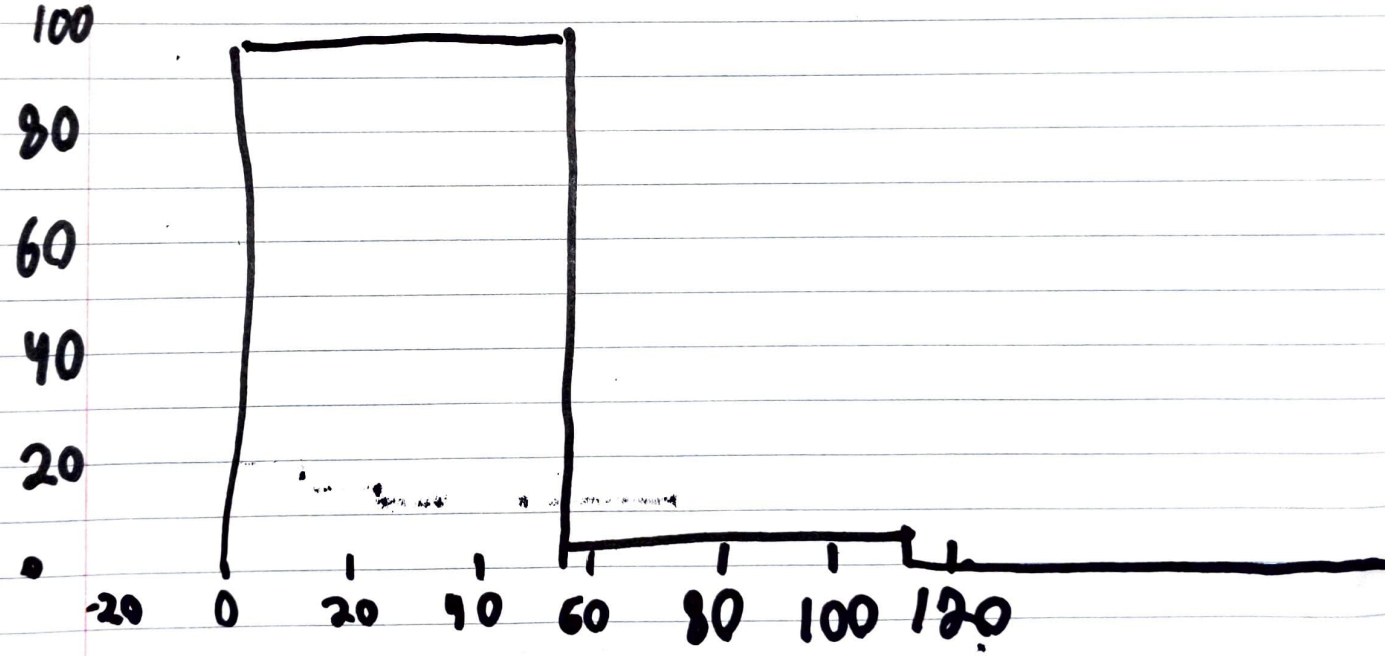
#3 1. min max # of Classes

0 ~~999~~ 168 3

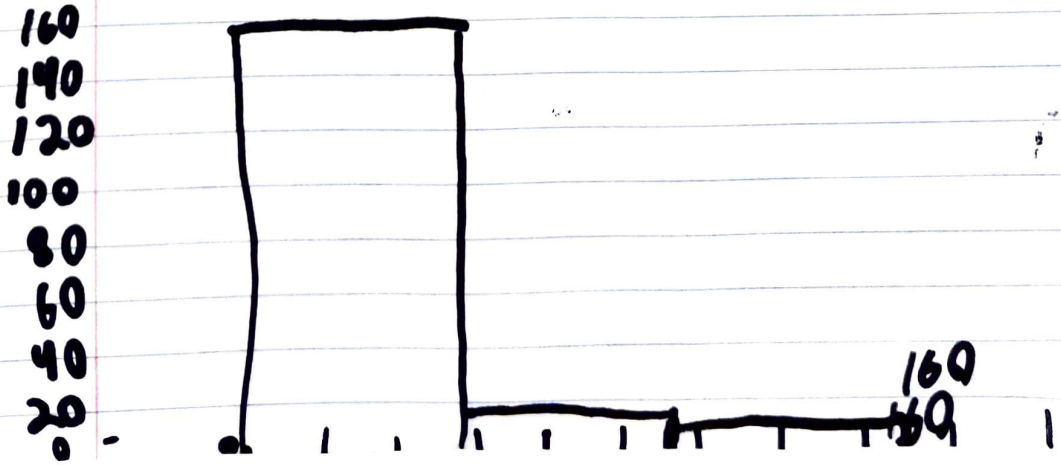
$$\frac{168 - 0}{3} = 56$$

2. Geogebra

3. Males



Females



4. From what I see in the graphs, females spend more time texting per week than males.