

NOT from
video

5# Summary w/ 30XS & 36X Pro

4/2/20

Steps to enter data on TI-30XS & 36X Pro

- 1) **data**
- 2) **data** **4: Clear all** * can skip step 2 if your list is clear
- 3) enter values * you must hit **enter** after every #
2, 3, 4, 5, 8, 12
- 4) **2nd data**
- 5) **1: 1-var stat** for 30XS **2: 1-var stat** for 36X Pro
- 6) make sure L1 & one are highlighted **enter** until you get to next screen (3 times)
* the next screen has a lot of #'s & symbols don't panic you are in the right spot :)
- 7) hit **▼** down button until you find the 5# summary

$$\text{min} = 2$$

$$Q_1 = 3$$

$$\text{med} = 4.5$$

$$Q_3 = 8$$

$$\text{max} = 12$$

* unfortunately these calcs do not graph but it's easy to do by hand

8) draw horizontal line w/ equal parts

9) Place a tic mark over each of

the 5# values from step 7

10) Box Q_1 , med, Q_3

11) Draw whiskers for min & max



When you have an outlier

2, 3, 4, 5, 8, 12, 30

follows steps 1-8

$$\text{min} = 2$$

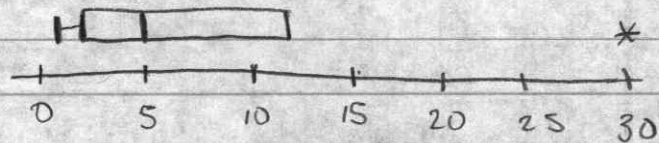
$$Q_1 = 3$$

$$\text{med} = 5$$

$$Q_3 = 12$$

$$\text{max} = 30$$

*note interval may be different



$$\text{IQR: } 12 - 3$$

↓
9

$$\text{upper: } Q_3 + 1.5(\text{IQR})$$

$$12 + 1.5(9)$$

25.5 & higher

30 is outlier

$$\text{lower: } Q_1 - 1.5(\text{IQR})$$

$$3 - 1.5(9)$$

-10.5 & lower

9) Place tic on min, Q_1 , med, Q_3

* Do NOT put on max b/c
it is an outlier

10) Box Q_1 , med, Q_3

11) connect whisker for min (it is not the outlier)

12) * the outlier (each outlier but here there is only 1)

13) If there is a data pt between Q_3 & outlier you can draw
whisker from highest not outlier pt.

*in this case there is no whisker on the right