

Data: Central Tendency, Box & Whisker Plot

Long-Term Memory Review

Review 1

1. What is the first thing you should do with a set of data?
2. The mean, median and mode define the measures of _____ tendencies.

Tina kept a record of her points from playing basketball for the last two weeks.

Points Scored for each Game			
GAME	1	2	3
POINTS	13	17	15

3. Use data above to find the following:
 - a. Range _____
 - b. Mean _____
 - c. Median _____
 - d. Mode _____
4. How would you define the median of a set of data?

Data: Central Tendency, Box & Whisker Plot

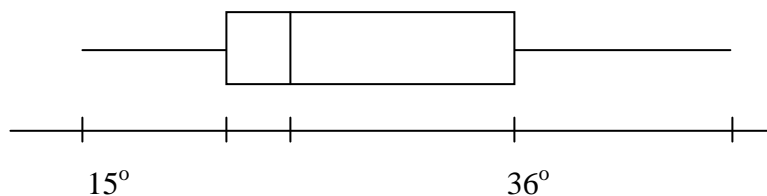
Long-Term Memory Review

Review 2

1. What is the first thing you should do with a set of data?

2. Use the table below to complete the Box and Whisker Plot.

Temperature F ^o		
Day	Temp	ShWk
1	16 ^o	
2	22 ^o	
3	37 ^o	
4	46 ^o	
5	23 ^o	
6	15 ^o	
7	22 ^o	
8	25 ^o	
9	26 ^o	
10	22 ^o	
11	35 ^o	
12	35 ^o	
13	40 ^o	



3. Use data above to find the following:

a. Range _____

b. Mean _____

c. Median _____

d. Mode _____

4. The mean, median and mode define the measures of _____ tendencies.

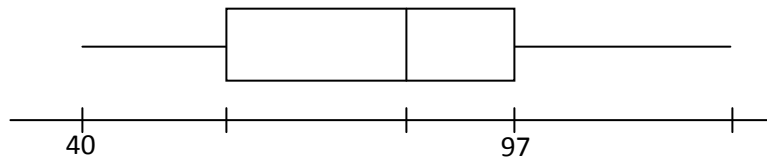
Data: Central Tendency, Box & Whisker Plot

Long-Term Memory Review

Review 3

The data in the tables on the right represent temperatures in Las Vegas for the year 2008. (Note: Day 1 is 1/1/2008.)

1. What is the first thing you should do with a set of data?
2. Use the temperature tables to complete the box and whisker plot below.



USE the box and whisker plot above:

3. Exactly half of the data are at or above what number?
 A. 40 B. 82 C. 97 D. 112
4. Approximately three fourths of the data are between what two scores?
5. Approximately one fourth of the data are below what score?
 A. 40 B. 62 C. 97 D. 112

Day	Temp	Sort
1	58	40
2	59	46
3	60	47
...
...
...
89	80	62
90	86	62
91	88	62
92	82	62
93	58	62
...
...
...
180	96	81
181	99	81
182	100	81
183	104	82
184	106	82
185	107	82
...
...
...
272	84	96
273	87	97
274	89	97
275	89	97
276	86	97
277	88	97
...
...
...
363	57	111
364	57	112
365	58	112

Data: Central Tendency, Box & Whisker Plot

Long-Term Memory Review
Review 4

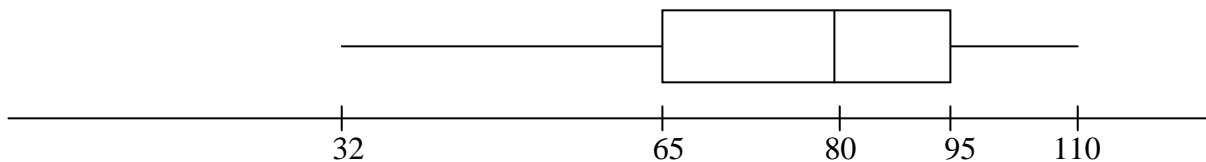
1. What is the first thing you should do with a set of data?

2. The mean, median and mode define the measures of _____ tendencies.

Tina kept a record of her points from playing basketball for the last two weeks.

Points Scored for each Game			
GAME	1	2	3
POINTS	13	17	15

3. Use data above to find the following:
 - a. Range _____
 - b. Mean _____
 - c. Median _____
 - d. What would Tina need to score on her next game to bring her average to 20 pts/game? _____

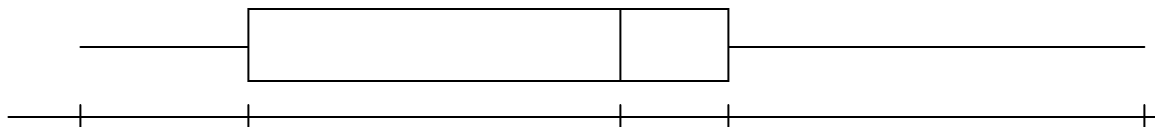


4. Using the box and whisker plot above, explain how it might represent the season of scores from an NBA basketball team.

A.J. kept a record of his scores from playing his favorite video game.

Video Game Scores									
Day	1	2	3	4	5	6	7	8	9
Score	900	10,300	1,335	550	12,050	10,300	1,260	15,215	20,090

5. Use the data above to complete the box and whisker plot below.



13,630

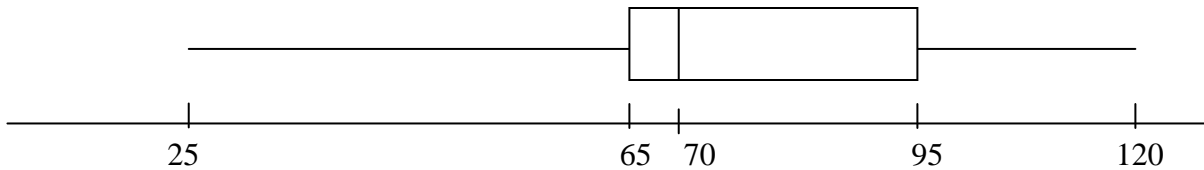
Data: Central Tendency, Box & Whisker Plot

Long-Term Memory Review

Quiz

1. What is the first thing you should do with a set of data?
2. The mean, median and mode define the measures of _____ tendencies.

Use this figure for questions 3-5:

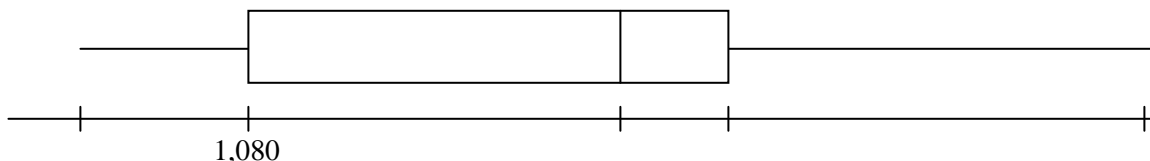


3. Explain how the box and whisker plot above might represent the season of scores from a college basketball team.
4. Exactly half of the data are at or above what number?
A. 65 B. 70 C. 95 D. 120
5. Approximately three fourths of the data are between what two scores?

A.J. kept a record of his scores from playing his favorite video game.

Video Game Scores									
Day	1	2	3	4	5	6	7	8	9
Score	900	10,300	1,335	550	12,060	10,300	1,260	15,214	20,090

6. Use data above to find the following:
 - a. Range _____
 - b. Mean _____
 - c. Median _____
 - d. Mode _____
7. Use the data above to complete the box and whisker plot below.



8. What score would he need on the tenth day to have an average score of 9000?

Data: Central Tendency, Box & Whisker Plot

Long-Term Memory Review
ANSWERS

Review 1 - Answers

- Put them in order
- central
- A. 4 B. 15 C. 15 D. none
- The median is the number that falls exactly in the middle of a set of data.

Review 2 - Answers

- Put them in order
-
- A. 31 B. 28 C. 25 D. 22
- central

Review 3 - Answers

- Put them in order
-
- b. 82
- between 40 and 97 OR between 62 and 112
- a. 40

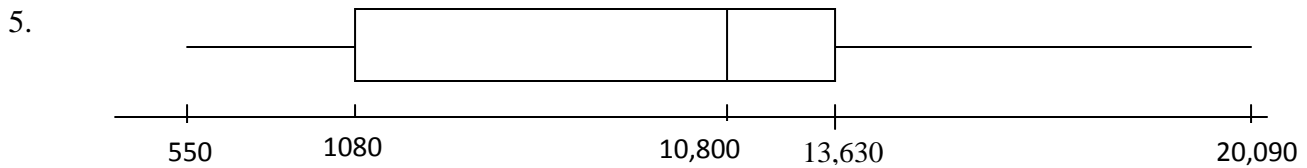
Temperature F ^o		
Day	Temp	ShWk
1	16°	
2	22°	
3	37°	
4	46°	
5	23°	
6	15°	
7	22°	
8	25°	
9	26°	
10	22°	
11	35°	
12	35°	
13	40°	

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Long-Term Memory Review

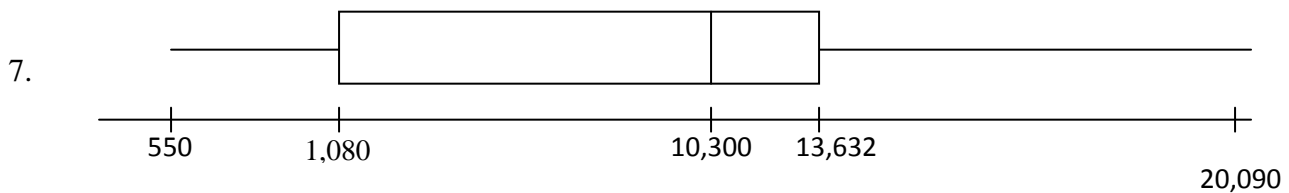
Review 4 - Answers

1. Put them in order
2. central
3. a. Range 4 b. Mean 15 c. Median 15 d. 35
4. The box and whisker plot might represent the season of scores because it shows that 80 was the median score, 110 was the highest score, 32 the lowest and half of the games the score was between 65 and 95.



Quiz - Answers

1. Put them in order
2. central
3. The box and whisker plot might represent the season of scores because it shows that 70 was the median score, 120 was the highest score, 25 the lowest and half of the games the score was between 65 and 95.
4. b. 70
5. between 25 and 95 OR between 65 and 120
6. a. Range 19540 b. Mean 8001 c. Median 10,300 d. 10,300



8. A score of 17,991 would be needed