

Statistics - Central Tendency, Box-and-Whisker

Name _____

1. Write a definition for the following terms:
 - a. Mean: _____
 - b. Median: _____
 - c. Mode: _____
 - d. Range: _____

2. Explain how you can determine the following without using the measurements of the heights:
 - a. Median: _____
 - b. Mode: _____
 - c. Range: _____

3. Write down the names and heights of the students in your class.

Name	Height	Name	Height	Name	Height

4. Using the heights and the graphing calculator, fill in the table below.

Mean		Min	
Median		Max	
Mode		Q1	
Range		Q3	

5. Draw a box-and-whisker graph.

6. Write down the top 14 total scores from the most recent LPGA tournament in the table provided.

<http://www.lpgascoring.com/9265/leaderboard/leaderboard.html>

Place	Score	Place	Score	Place	Score
1		6		11	
2		7		12	
3		8		13	
4		9		14	
5		10			

7. Using the LPGA scores and a graphing calculator, fill in the table below.

Mean		Min	
Median		Max	
Mode		Q1	
Range		Q3	

8. Draw a box-and-whisker graph.

9. Write down the record high temperatures in Richmond for each day of the month of May in the table provided.

<http://www.weather.com/weather/climatology/daily/USVA0652?climoMonth=5>

Day	Temp	Day	Temp	Day	Temp	Day	Temp	Day	Temp	Day	Temp
1		6		11		16		21		26	
2		7		12		17		22		27	
3		8		13		18		23		28	
4		9		14		19		24		29	
5		10		15		20		25		30	
31											

10. Using the temperatures and a graphing calculator, fill in the table below.

Mean		Min	
Median		Max	
Mode		Q1	
Range		Q3	

11. Draw a box-and-whisker graph.

12. Through the first ten games of the Major League baseball season, the local team scored the following number of runs:

4, 2, 7, 0, 1, 3, 5, 6, 8, 13.

13. Using the runs scored and a graphing calculator, fill in the table below.

Mean		Min	
Median		Max	
Mode		Q1	
Range		Q3	

14. Draw a box-and-whisker graph.