Statistics I
40 Questions

1.	The collection of information from the whole population.			
Α	Population	В	Census	
С	Sample	D	Survey	
2.	What is the value that lies in the middle o	f the da	ata when the data is ordered?	
А	Median	В	Mean	
С	Mode	D	Average	
3.	Which one of the following survey question	ons wo	uld generate categorical data?	
Α	How many times do you eat at your favorite fast-food place in a typical week?	В	How many items did you buy last time you went to your favourite fast food place?	
С	Which is your favourite fast food?	D	How much do you usually spend buying your favourite fast food?	
4.	A Quantitative Continuous Variable can ta and is often a result of measuring. Which	-		
Α	The number of computers in a school	В	How many questions are in this assignment	
С	The distance from Salem to Portland	D	The number of students in a school	

5. Describe the shape of the graph. Skewed right **Skewed left** В Α C Uniform D Symmetrical A quantity calculated from the data gathered from the sample. 6. Parameter В Data Α C **Statistics** D Cencus This is the value that is most frequently occurring. 7. Range Α В Mean C Median D Mode The _____ of a class is the sum of the lower and upper limits of the class divided by 8. two. midpoint Α interval В С

D

В

D

Data

Cencus

cumulative frequency

relative frequency

Parameter

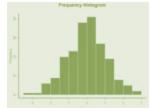
Statistics

9.

Α

C

Information about individuals in a population.



Describe the shape of the graph.

A Skewed right

B Skewed left

C Uniform

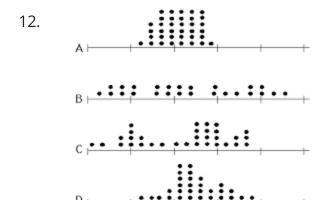
D Symmetrical

11. When a dataset has an even number of values, the median is (جرب قبل ما تهبد)

- the same as the mean of the entire dataset.
- the mean of the highest and lowest values in the dataset.

C A and B

D none of them



Order the dot plots from least to greatest standard deviation.

A A, D, C, B

B B, C, D, A

C A, D, B, C

D B, C, A, D

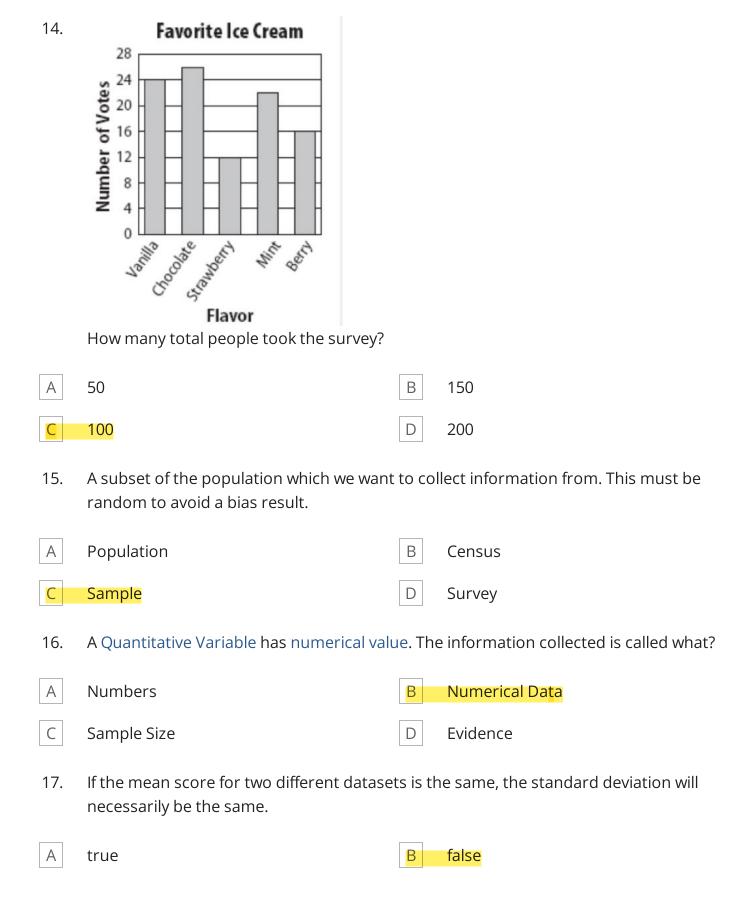
13. A defined collection of individuals or objects about which we want to draw conclusions.

A Population

B Census

C Sample

D Survey



18.

Stem	Leaf			
8	1	4	5	6
9	3	4	7	
10	0	2	3	
11	0	1		

What is the highest value on this stem and leaf plot?(سيرش)

A 11

В 1,101

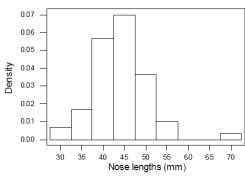
C 110

D 111

19. Which of the following is a characteristic of the range? Check all that apply.

- All values in the distribution are used in the calculation.
- B It is influenced by extreme values.
- C It is dependent on the standard deviation D
- All of them

20.



What kind of graph is this?

A frequency histogram

B ogive

C frequency polygon

D frequency distribution

21. If an experiment is repeated correctly several times, it should yield (ع الهادي)

- a distribution of measurements around some central value.
- a single value that is obtained each and every time.
- C widely and randomly varying results.
- D unpredictable results.

	7,9,19,22,27,29,35.		
Α	23	В	22
С	28	D	None
23.	If a number is added to the set that is in trange?	the mic	ddle of the data, how does this affect the
Α	increase	В	decrease
С	stay the same	D	both increase and decrease
24.	Find the median of the data set. 3 ,5 ,7 ,9 ,11		
Α	3	В	7
С	11	D	9
25.	Categorical Variables describe a particula categories. Which best shows categorica		
A	Coke Salad Pizza	В	Target WalMart Sears
С	Target Taco Bell Safeway	D	Boy Girl Cat
26.	The average score of a class in a test is 90 student scored 80?). Wha	t would happen to the mean if another
А	Increase	В	Decrease
С	Stay the same		

Range of the data:

22.

27.	How many values are within one standard deviation of the mean? 180, 313, 101, 255, 202, 198, 109, 183, 181, 113, 171, 165, 318, 145, 131, 145, 226, 113, 268, 108			
Α	9	В	10	
С	11	D	12	
28.	What is a data entry that is far removed f	rom th	e other entries in the data set	
Α	Outlier	В	Inlier	
С	Weighted Mean	D	Frequency	
29.	The of a data set is the sum of the	e data (entries divided by the number of entries.	
А	Mean	В	Median	
С	Mode	D	Range	
30.	If a number is added to a set that is far av deviation?	vay fro	m the mean, how does this affect standard	
A	increase	В	decrease	
С	stay the same	D	both increase and decrease	
31.	Mode for 23,45,46,33,44,32,49.			
А	None	В	44	
С	49	D	23	
32.	Two types of data scientists collect are			
Α	random and sample	В	qualitative and quantitative	
С	descriptive and inferential	D	parameter and statistic	

Α	Standard deviation is a measure of the spread of a dataset.	В	Standard deviation indicates how much individual values vary from the mean.	
С	Standard deviation helps scientists summarize how much variation there is i a dataset or population.	n <mark>D</mark>	All of the answers are correct.	
34.	If a dataset is evenly distributed around the mean, this is certainly called a			
Α	normal distribution	В	symmetric distribution	
С	bell curve	D	all of them	
35.	How do you find range?			
А	Subtract the highest and lowest value	В	Add all the numbers and divide	
С	Find the middle	D	It is the highest number	
36.	• • • • •			
	Which of the following statements is FALS shows the weights of small dogs recently			
A	Which of the following statements is FALS			
A	Which of the following statements is FALS shows the weights of small dogs recently	brough	The average weight of a dog was about	
A C 37.	Which of the following statements is FALS shows the weights of small dogs recently The smallest dog was 2 pounds. The range of the weight of the dogs was	brough B	The average weight of a dog was about 11.5 pounds. 25% of the dogs weighed over 14.5	
	Which of the following statements is FALS shows the weights of small dogs recently The smallest dog was 2 pounds. The range of the weight of the dogs was 21 pounds. Identify the outlier for the given data?	brough B	The average weight of a dog was about 11.5 pounds. 25% of the dogs weighed over 14.5	
	Which of the following statements is FALS shows the weights of small dogs recently. The smallest dog was 2 pounds. The range of the weight of the dogs was 21 pounds. Identify the outlier for the given data? 23, 34, 27, 7, 30, 26, 28, 31, 34	B D	The average weight of a dog was about 11.5 pounds. 25% of the dogs weighed over 14.5 pounds.	

33. Which answer best describes standard deviation?

38.	Find the midpoint:		
	3,5,7,1		
А	there is no midpont for this group	В	6
			4
C	5.5	D	4
39.	A numerical quantity measuring some as	nect o	f a nonulation
J9.	A numerical quantity measuring some as	specio	
Α	Parameter	В	Data
, ,			
С	Statistics	D	Cencus
40.	A Quantitative Discrete Variable takes ex	act nur	nber values and is often a result of
	counting. Which best describes discrete	variabl	es?
Α	The score on your last test	В	How long it takes to drive to Seattle
	The distance from Salem to Portland	D	The number of students in a school
	The distance if one salem to Fortiand		The number of students in a seriou