

Practice 01

1.1, 1.2 Descriptive/Inferential Statistics and Variable Types

2.1 Organizing Data

2.2 Histograms

2.3 Other Types of Graphs

- 1) Inferential statistics is based on probability. 1) _____
A) True B) False
- 2) Determine which branch of statistics was used to make the following statement. 2) _____
Because of the current economy, 49% of 18 to 34 year olds have taken a job to pay the bills.
A) inferential statistics B) descriptive statistics
- 3) Determine which branch of statistics was used to make the following statement. In 3) _____
2011, there were 34 deaths from the avian flu.
A) descriptive statistics B) inferential statistics
- 4) Determine which branch of statistics was used to make the following statement. In 4) _____
2025, the world population is predicted to be 8 billion people.
A) inferential statistics B) descriptive statistics
- 5) Which one of the following data are continuous? 5) _____
A) the number of musicians performing in the MP3 file
B) the time remaining for an MP3 music download
- 6) The variable of height is an example of a quantitative variable. 6) _____
A) False B) True
- 7) The number of birds in a tree is an example of a continuous variable. 7) _____
A) True B) False

10) The following frequency distribution presents the weights in pounds (lb) of a sample of 10) _____ visitors to a health clinic.

Weight (lb)	Frequency
100-109	1
110-119	1
120-129	8
130-139	5
140-149	10
150-159	9
160-169	5
170-179	2

What is the class width?

- A) 9 B) 10 C) 11 D) 80

11) What are the boundaries of the class 12-15? 11) _____

- A) 10.5 and 16.5 B) 3
C) 11.5 and 15.5 D) 12 and 15

12) State the reason why the following frequency distribution is incorrectly constructed. 12) _____

Class	Frequency
45-51	1
52-58	2
59-65	4
66-74	5
75-81	2

- A) class limits overlap B) a class has been omitted
C) there is no percent column D) class width is not uniform

13) A recent statistics exam yielded the following 25 scores. Construct a grouped frequency distribution with the class limits shown below. 13) _____

67 89 75 54 64
 53 83 69 68 92
 87 84 43 80 88
 76 83 76 98 55
 73 80 41 85 95

A)

Class Limits	Frequency
41-50	2
51-60	3
61-70	4
71-80	6
81-90	7
91-100	3

B)

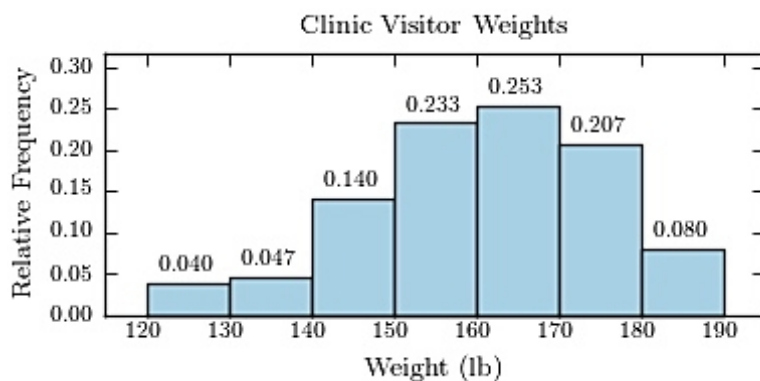
Class Limits	Frequency
41-50	3
51-60	2
61-70	4
71-80	7
81-90	6
91-100	3

14) The following frequency distribution presents the weights in pounds (lb) of a sample of visitors to a health clinic. 14) _____

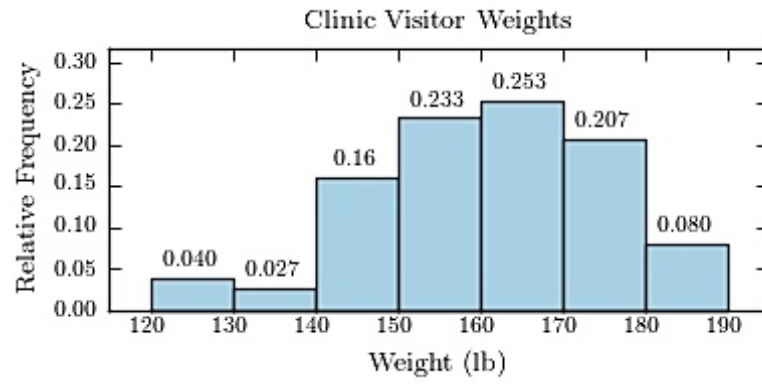
Clinic Visitor Weights	
Weight (lb)	Frequency
120-129	6
130-139	7
140-149	21
150-159	35
160-169	38
170-179	31
180-189	12

Construct a relative frequency histogram.

A)



B)



Answer Key

Testname: STA2023_PRACTICE01

- 1) A
- 2) A
- 3) A
- 4) A
- 5) B
- 6) B
- 7) B
- 8) A
- 9) B
- 10) B
- 11) C
- 12) D
- 13) A
- 14) A