

Department of Statistics and Operations Research
College of Science
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Second-term 1432/1433

Stat. 145

H.W [1]

Student name:
Student Number:
Serial Number :
Section Number:

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HW 1

Question 1 :

In a study of the daily fat intake (in grams) for a sample of adults in Saudi Arabia females. For the study, answer the following questions:

row	Daily fat intakes	frequency
1	25-44	4
2	45-64	9
3	65-84	30
4	85-104
5	105-124	36
6	125-144	24
7	145-164	16
8	165-185	4
	Total	150

1- The variable is

- (a) Quantitative
- (b) Adults female in Saudi Arabia
- (c) Daily fat intake (d) continuous
- (d) None of these

2- The class width is

- (a) 20 (b) 10 (c) 150
- (d) 19 (e) none of these

3- Number of adults female in Saudi Arabia with daily fat intake between 85 and 104 gram is

- (a) 30 (b) 27 (c) 33
- (d) 28 (e) none of these

4- Relative frequency of adults female in Saudi Arabia with daily fat intake greater than 144 gram is

- (a) 24 (b) 20 (c) 0.20 (d) 0.133 (e) none of these

5- Percent of adults female in Saudi Arabia with daily fat intake between 105 and 164 gram is

- (a)24% (b)10.67% (c) 76% (d) 50.67% (e) none of these

6- The 6th midpoint is:

- (a)143.5 (b)114.5 (c) 134.5 (d) 269 (e) none of these

7- The range is:

- (a)19 (b) 160 (c) 20 (d) 140 (e) none of these

8- The third true class is:

- (a)64.5-84.5 (b)74.5 (c)70.5 (d)65.5-84.5 (e) none of these

9- The appropriate diagram for this table is:

- (a) Pie chart (b) Histogram (c) Bar chart (d) none of these

10- The third cumulative frequency is:

- (a)30 (b) 13 (c) 43 (d) 10 (e) none of these

Question 2 :

For a sample of 100 cancer patients in Saudi Arabia, we measure how long the patient lives after diagnosis, then in this experiment:

11- The population is :

- [A] Saudi Arabia [B] all cancer patients in S.A. [C] 100 Saudi patients [D] all Saudi patients

12- The variable is:

- [A] number of patients [B] cancer [C] length of life after diagnosis [D] all Saudi patients

13- And the type of the variable is:

- [A] Qualitative [B] Quantitative and discrete [C] Quantitative and continuous [D] none of these

14- The sample size is:

- [A] Saudi Arabia [B] Saudi patients [C] Saudi adults [D] 100 cancer patients