

Stats /

Constructing a frequency distribution for grouped data

Problem

Explanation

Show Another

Constructing a frequency distribution for grouped data

QUESTION

Here are the shopping times (in minutes) of nine shoppers at a local grocery store. Complete the grouped frequency distribution for the data. In the distribution, the frequency of a class is the number of shopping times in that class. (Note that we are using a class width of 6.)

Shopping time (in minutes)	Shopping time (in minutes)	Frequency
30 20 29	15 to 20	3
27 28 19	21 to 26	1
15 25 32	27 to 32	5

Problem

Explanation

Show Another

Constructing a relative frequency distribution for grouped data

QUESTION

There are 18 students in a certain painting class. Their ages are shown below.

Complete the grouped relative frequency distribution for the data. (Note that we are using a class width of 5.)

Write each relative frequency as a decimal rounded to the nearest hundredth, not as a percentage.

Age	Age	Relative frequency
28 21 37 29 18	18 to 22	$5/18 = 0.28$
33 23 24 21 40	23 to 27	$3/18 = 0.17$
30 26 29 29 22	28 to 32	$8/18 = 0.44$
29 31 19	33 to 37	$2/18 = 0.11$