

STP 226 Group work #1 ch2-3

1. The relative frequency table below represents the data on cholesterol levels of a group of patients. Use the table to answer the following questions:
- What percentage of the patients have levels of cholesterol of 215 or higher?
 - Given that the number of patients is 40, how many have levels of cholesterol under 210?

Cholesterol Level	Relative Frequency
195- under 200	.05
200- under 205	.15
205- under 210	.20
210- under 215	.35
215- under 220	.20
220- under 225	.05

2. A car salesperson keeps track of number of cars she sells per week. The number of cars she sold per week in the last 20 weeks of 2005 are as follows:

4 0 4 1 2 0 2 2 2 3
 1 1 1 1 2 1 3 2 3 4

Construct a grouped-data table for number of sales per week. Use classes based on single value. Compute frequency and relative frequency for each class.

Number of cars sold	Frequency	Relative frequency
Totals		

3. Use the following stem & leaf diagram to answer the following questions

0 | 5 7 9
 1 | 3 7 7 8 8
 2 | 1 6 4 7 2 9 1
 3 | 4 2 2 0 9
 4 | 2 1 5
 5 | 8 2
 6 |
 7 |
 8 | 7
 9 | 0

Data : Hair Mercury Content of Seychelles Fishermen

Stems: tens

leaves: ones

- Describe the rough shape of the distribution.
- Find median of these data.
- Without computing, is mean is larger than the median?