Review Basic skill and concept 201110 Intergrated Mathematics

chapter 1 : Exploratory Data Analysis

1. Consider frequency table

Score	Frequency
70-76	8
77-83	12
84-90	12
91-97	7

1.1 Construct the histogram , frequency polygon and frequency curve.

1.2 Calculate Mean of data in this frequency table.

2. The result of English test score are given below

$$53 \ \ 52 \ \ 75 \ \ 62 \ \ 68 \ \ 58 \ \ 49 \ \ 49$$

Identify the **most appropriate** method to measure of central tendency and calculate that value.

3. A dietician obtains the amounts of sugar (ml) from 100ml in each of 10 different food. Those values are listed below. Is the mean of those values likely to be a good estimate of the mean amount of sugar? Why or why not?

$$3 \ \ 24 \ \ 30 \ \ 47 \ \ 43 \ \ 7 \ \ 47 \ \ 13 \ \ 44 \ \ 39$$

4. Use the sample data listed below to find the coefficient of variation for each of two sample, then compare the results.

Heights : (cm) of men :   166   178   159   180   180

Weight : (kg) of men :   66   70   88   80   71

5. Use the data set given below and find the following: 2   3   4   5   7   9   15   15   16   19   32   50

5.1 Construct the box-plot by using five-number summary method

5.2 Does the data has the outlier(s) ? If yes, Please identify the outlier(s)

This homework will be submitted on Tuesday, 17th September 2019